

**LIGHTING**  
TRADE CATALOGUE

**GEWISS**



2017  
2018



**OUR SUCCESS IS NOT ONLY MEASURED  
IN SQUARE METRES, BUT ALSO  
THROUGH OUR CONTRIBUTION TO THE  
GROWTH OF THE SECTOR.**

Being innovative means knowing how to transform problems into solutions. It doesn't necessarily mean inventing new, original products at all costs - true innovation lies in introducing a change that can only be achieved through the skill, enthusiasm and experience of a tight-knit, cohesive group of experts. This is our idea of innovation - an idea that is closely linked to the concept of value, both in economic and social terms. Because change is driven by our aspiration, but above all by our actions, and the positive effects of these.

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## STREET LIGHTING

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# Lighting





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## STREET LIGHTING

On today's roads, street lighting systems must ensure high energy efficiency, rapid installation/maintenance and superior light quality, as well as respecting existing road lighting regulations. Furthermore, the design of these appliances must be able to integrate perfectly into the environment. Gewiss street lighting represents the perfect response to all of these requirements.



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## FLOODLIGHTS

The GEWISS floodlights are designed to meet every type of lighting request, in any kind of indoor or outdoor system. The high photometric performance offered by this range of devices allows them to be installed in both small and large sports facilities, enabling them to comply with the strict parameters required for national and international competitions which are filmed for television. A complete range of devices with various optics and high-efficiency light sources.



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## URBAN LIGHTING

Today, more than ever before, decorative urban and residential lighting devices must not only blend perfectly with their surroundings but also offer the designer an ample choice of optics, sources and design solutions. Gewiss has a variety of devices and systems for urban lighting, to meet all the needs of the designers, public authorities, and architects.



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## INDUSTRIAL

The perfect integration between lighting performance and design makes Gewiss industrial high bays and luminaires suitable for a wide range of applications in industrial, (indoor) sporting and commercial environments. This range of industrial devices is characterised not only by the highly robust materials and the excellent quality of the lamps and optics, but also by cost-effective management.



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## OFFICE/COMMERCIAL SECTOR

Environments in today's commercial sector - offices in particular - are more elegant, ergonomic and design-friendly. The Gewiss flush-mounting and ceiling solutions guarantee a uniform light with no reflection or glare, creating homogeneous lighting which offers high levels of comfort. The range is completed with the Gewiss double-sided LED lamps for escape routes, with solutions with different technological levels: alongside the centralised versions with the LonTalk or KNX communication protocol, there are also versions with local self-diagnosis and traditional models too.



# Street lighting

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## Road [5]

STREET LIGHTING LED SYSTEM



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## Street [O<sub>3</sub>]

STREET LIGHTING LED SYSTEM



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## Street [O<sub>3</sub>] Maxi

STREET LIGHTING LED SYSTEM



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## Avenue 1

STREET LIGHTING SYSTEM



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## Avenue 2 e 3

STREET LIGHTING SYSTEM



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# Road [5]

## Street lighting LED system

LED

Road [5] is the new range of LED lighting devices which completes the offer for urban and road lighting. The new range has been designed to offer better lighting performances, simplify the installation and the maintenance of the lighting devices and promote the maximum energy-saving. Road [5] is the ideal solution to all types of urban and interurban road lighting, round-about, large outdoor areas and parking lots, both for new and already existing installations.



**Technical characteristics page 20**

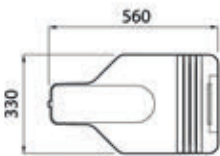
### ROAD [5] - MINI - CLASS I



#### OPTIC WIDE



GW R5 772



#### STREET LIGHTING IN DIE-CAST ALUMINIUM - IP66 - FLAT GLASS - CLASS I



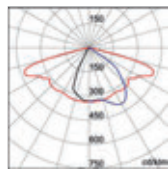
Code	Number of modules	Colour temperature	LED current	System power	Nominal flux (lm)	Lumen output (lm)	Weight (kg)	Pack Carton
<b>Voltage: 220/240 V - 50/60 Hz - Stand alone</b>								
GW R5 731	1 (1x3 LED)	4000 K (CRI 70)	0.35 A	14 W	1560	1310	6.4	1
GW R5 771	1 (1x3 LED)	4000 K (CRI 70)	0.7 A	27 W	3120	2620	6.4	1
GW R5 711	1 (1x3 LED)	4000 K (CRI 70)	1 A	38 W	4770	3840	6.4	1
GW R5 772	2 (2x3 LED)	4000 K (CRI 70)	0.7 A	53 W	6240	5240	6.6	1
GW R5 712	2 (2x3 LED)	4000 K (CRI 70)	1 A	76 W	9540	7680	6.6	1
<b>Voltage: 220/240 V - 50/60 Hz - Bi-power with self-learning</b>								
GW R5 771 B	1 (1x3 LED)	4000 K (CRI 70)	0.7 A	28 W	3120	2620	6.4	1
GW R5 711 B	1 (1x3 LED)	4000 K (CRI 70)	1 A	39 W	4770	3840	6.4	1
GW R5 772 B	2 (2x3 LED)	4000 K (CRI 70)	0.7 A	54 W	6240	5240	6.6	1
GW R5 712 B	2 (2x3 LED)	4000 K (CRI 70)	1 A	77 W	9540	7680	6.6	1
<b>Voltage: 220/240 V - 50/60 Hz - Dimmable 1-10 V</b>								
GW R5 771 M	1 (1x3 LED)	4000 K (CRI 70)	0.7 A	27 W	3120	2620	6.4	1
GW R5 711 M	1 (1x3 LED)	4000 K (CRI 70)	1 A	38 W	4770	3840	6.4	1
GW R5 772 M	2 (2x3 LED)	4000 K (CRI 70)	0.7 A	53 W	6240	5240	6.6	1
GW R5 712 M	2 (2x3 LED)	4000 K (CRI 70)	1 A	76 W	9540	7680	6.6	1

Versions with 3000K (-30K) or 5700K (-57K) LED, and with lower LED current available on demand.

**NOTE:** due to the continuous changes with the LED technologies, the technical data can undertake variations.

Nominal flux referred to Tj=85°C.

#### Photometric distributions

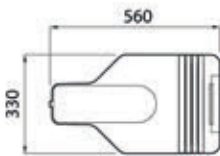


WIDE optic

**OPTIC HUGE**



GW R5 672



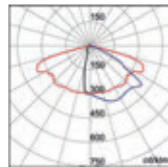
**STREET LIGHTING IN DIE-CAST ALUMINIUM - IP66 - FLAT GLASS - CLASS I**



Code	Number of modules	Colour temperature	LED current	System power	Nominal flux (lm)	Lumen output (lm)	Weight (kg)	Pack Carton
<b>Voltage: 220/240 V - 50/60 Hz - Stand alone</b>								
GW R5 631	1 (1x3 LED)	4000 K (CRI 70)	0.35 A	14 W	1560	1150	6.4	1
GW R5 671	1 (1x3 LED)	4000 K (CRI 70)	0.7 A	27 W	3120	2300	6.4	1
GW R5 611	1 (1x3 LED)	4000 K (CRI 70)	1 A	38 W	4770	3370	6.4	1
GW R5 672	2 (2x3 LED)	4000 K (CRI 70)	0.7 A	53 W	6240	4590	6.6	1
GW R5 612	2 (2x3 LED)	4000 K (CRI 70)	1 A	76 W	9540	6730	6.6	1
<b>Voltage: 220/240 V - 50/60 Hz - Bi-power with self-learning</b>								
GW R5 671 B	1 (1x3 LED)	4000 K (CRI 70)	0.7 A	28 W	3120	2300	6.4	1
GW R5 611 B	1 (1x3 LED)	4000 K (CRI 70)	1 A	39 W	4770	3370	6.4	1
GW R5 672 B	2 (2x3 LED)	4000 K (CRI 70)	0.7 A	54 W	6240	4590	6.6	1
GW R5 612 B	2 (2x3 LED)	4000 K (CRI 70)	1 A	77 W	9540	6730	6.6	1
<b>Voltage: 220/240 V - 50/60 Hz - Dimmable 1-10 V</b>								
GW R5 671 M	1 (1x3 LED)	4000 K (CRI 70)	0.7 A	27 W	3120	2300	6.4	1
GW R5 611 M	1 (1x3 LED)	4000 K (CRI 70)	1 A	38 W	4770	3370	6.4	1
GW R5 672 M	2 (2x3 LED)	4000 K (CRI 70)	0.7 A	53 W	6240	4590	6.6	1
GW R5 612 M	2 (2x3 LED)	4000 K (CRI 70)	1 A	76 W	9540	6730	6.6	1

Versions with 3000K (-30K) or 5700K (-57K) LED, and with lower LED current available on demand.  
**NOTE:** due to the continuous changes with the LED technologies, the technical data can undertake variations.  
 Nominal flux referred to Tj=85°C.

**Photometric distributions**

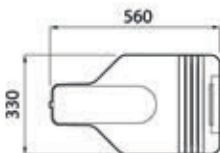


HUGE optic

**CYCLE AND PEDESTRIAN OPTIC**



GW R5 871 M



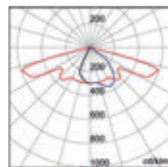
**STREET LIGHTING IN DIE-CAST ALUMINIUM - IP66 - FLAT GLASS - CLASS I**



Code	Number of modules	Colour temperature	LED current	System power	Nominal flux (lm)	Lumen output (lm)	Weight (kg)	Pack Carton
<b>Voltage: 220/240 V - 50/60 Hz - Dimmable 1-10 V</b>								
GW R5 871 M	1 (1x3 LED)	4000 K (CRI 70)	0.7 A	27 W	2350	1900	6.4	1
GW R5 872 M	2 (2x3 LED)	4000 K (CRI 70)	0.7 A	53 W	4700	3800	6.4	1

Versions with 3000K (-30K) or 5700K (-57K) LED, and with lower LED current available on demand.  
**NOTE:** due to the continuous changes with the LED technologies, the technical data can undertake variations.  
 Nominal flux referred to Tj=85°C.

**Photometric distributions**



Cycle ped.optic

# Road [5]

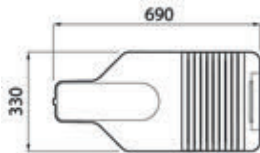
## ROAD [5] - MEDIUM - CLASS I



OPTIC WIDE



GW R5 774



### STREET LIGHTING IN DIE-CAST ALUMINIUM - IP66 - FLAT GLASS - CLASS I



Code	Number of modules	Colour temperature	LED current	System power	Nominal flux (lm)	Lumen output (lm)	Weight (kg)	Pack Carton
<b>Voltage: 220/240 V - 50/60 Hz - Stand alone</b>								
GW R5 773	3 (3x3 LED)	4000 K (CRI 70)	0.7 A	79 W	9360	7860	8	1
GW R5 713	3 (3x3 LED)	4000 K (CRI 70)	1 A	113 W	14310	11520	8	1
GW R5 774	4 (4x3 LED)	4000 K (CRI 70)	0.7 A	106 W	12480	10480	8.4	1
GW R5 714	4 (4x3 LED)	4000 K (CRI 70)	1 A	151 W	19080	15360	8.4	1
GW R5 775	5 (5x3 LED)	4000 K (CRI 70)	0.7 A	132 W	15600	13100	8.8	1
GW R5 715	5 (5x3 LED)	4000 K (CRI 70)	0.85 A	159 W	21230	17090	8.8	1
GW R5 776	6 (6x3 LED)	4000 K (CRI 70)	0.7 A	159 W	18720	15730	9.1	1
GW R5 716	6 (6x3 LED)	4000 K (CRI 70)	0.85 A	185 W	24330	19580	9.1	1

<b>Voltage: 220/240 V - 50/60 Hz - Bi-power with self-learning</b>								
GW R5 773 B	3 (3x3 LED)	4000 K (CRI 70)	0.7 A	81 W	9360	7860	8	1
GW R5 713 B	3 (3x3 LED)	4000 K (CRI 70)	1 A	115 W	14310	11520	8	1
GW R5 774 B	4 (4x3 LED)	4000 K (CRI 70)	0.7 A	108 W	12480	10480	8.4	1
GW R5 714 B	4 (4x3 LED)	4000 K (CRI 70)	1 A	153 W	19080	15360	8.4	1
GW R5 775 B	5 (5x3 LED)	4000 K (CRI 70)	0.7 A	134 W	15600	13100	8.8	1
GW R5 715 B	5 (5x3 LED)	4000 K (CRI 70)	0.85 A	161 W	21230	17090	8.8	1
GW R5 776 B	6 (6x3 LED)	4000 K (CRI 70)	0.7 A	161 W	18720	15730	9.1	1
GW R5 716 B	6 (6x3 LED)	4000 K (CRI 70)	0.85 A	187 W	24330	19580	9.1	1

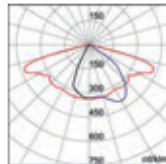
<b>Voltage: 220/240 V - 50/60 Hz - Dimmable 1-10 V</b>								
GW R5 773 M	3 (3x3 LED)	4000 K (CRI 70)	0.7 A	79 W	9360	7860	8	1
GW R5 713 M	3 (3x3 LED)	4000 K (CRI 70)	1 A	113 W	14310	11520	8	1
GW R5 774 M	4 (4x3 LED)	4000 K (CRI 70)	0.7 A	106 W	12480	10480	8.4	1
GW R5 714 M	4 (4x3 LED)	4000 K (CRI 70)	1 A	113 W	19080	15360	8.4	1
GW R5 775 M	5 (5x3 LED)	4000 K (CRI 70)	0.7 A	132 W	15600	13100	8.8	1
GW R5 715 M	5 (5x3 LED)	4000 K (CRI 70)	0.85 A	159 W	21230	17090	8.8	1
GW R5 776 M	6 (6x3 LED)	4000 K (CRI 70)	0.7 A	159 W	18720	15730	9.1	1
GW R5 716 M	6 (6x3 LED)	4000 K (CRI 70)	0.85 A	185 W	24330	19580	9.1	1

Versions with 3000K (-30K) or 5700K (-57K) LED, and with lower LED current available on demand.

**NOTE:** due to the continuous changes with the LED technologies, the technical data can undertake variations.

Nominal flux referred to Tj=85°C.

#### Photometric distributions

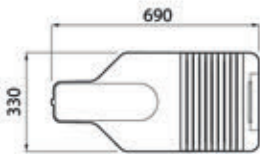


WIDE optic

**OPTIC HUGE**



GW R5 674



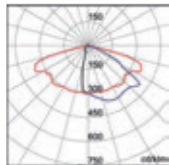
**STREET LIGHTING IN DIE-CAST ALUMINIUM - IP66 - FLAT GLASS - CLASS I**



Code	Number of modules	Colour temperature	LED current	System power	Nominal flux (lm)	Lumen output (lm)	Weight (kg)	Pack Carton
<b>Voltage: 220/240 V - 50/60 Hz - Stand alone</b>								
GW R5 673	3 (3x3 LED)	4000 K (CRI 70)	0.7 A	79 W	9360	6890	8	1
GW R5 613	3 (3x3 LED)	4000 K (CRI 70)	1 A	113 W	14310	10100	8	1
GW R5 674	4 (4x3 LED)	4000 K (CRI 70)	0.7 A	106 W	12480	9190	8.4	1
GW R5 614	4 (4x3 LED)	4000 K (CRI 70)	1 A	151 W	19080	13460	8.4	1
GW R5 675	5 (5x3 LED)	4000 K (CRI 70)	0.7 A	132 W	15600	11480	8.8	1
GW R5 615	5 (5x3 LED)	4000 K (CRI 70)	0.85 A	159 W	21227	14974	8.8	1
GW R5 676	6 (6x3 LED)	4000 K (CRI 70)	0.7 A	159 W	18720	13780	9.1	1
GW R5 616	6 (6x3 LED)	4000 K (CRI 70)	0.85 A	185 W	24327	17162	9.1	1
<b>Voltage: 220/240 V - 50/60 Hz - Bi-power with self-learning</b>								
GW R5 673 B	3 (3x3 LED)	4000 K (CRI 70)	0.7 A	81 W	9360	6890	8	1
GW R5 613 B	3 (3x3 LED)	4000 K (CRI 70)	1 A	115 W	14310	10100	8	1
GW R5 674 B	4 (4x3 LED)	4000 K (CRI 70)	0.7 A	108 W	12480	9190	8.4	1
GW R5 614 B	4 (4x3 LED)	4000 K (CRI 70)	1 A	153 W	19080	13460	8.4	1
GW R5 675 B	5 (5x3 LED)	4000 K (CRI 70)	0.7 A	134 W	15600	11480	8.8	1
GW R5 615 B	5 (5x3 LED)	4000 K (CRI 70)	0.85 A	161 W	21230	14970	8.8	1
GW R5 676 B	6 (6x3 LED)	4000 K (CRI 70)	0.7 A	161 W	18720	13780	9.1	1
GW R5 616 B	6 (6x3 LED)	4000 K (CRI 70)	0.85 A	187 W	24330	17160	9.1	1
<b>Voltage: 220/240 V - 50/60 Hz - Dimmable 1-10 V</b>								
GW R5 673 M	3 (3x3 LED)	4000 K (CRI 70)	0.7 A	79 W	9360	6890	8	1
GW R5 613 M	3 (3x3 LED)	4000 K (CRI 70)	1 A	113 W	14310	10100	8	1
GW R5 674 M	4 (4x3 LED)	4000 K (CRI 70)	0.7 A	106 W	12480	9190	8.4	1
GW R5 614 M	4 (4x3 LED)	4000 K (CRI 70)	1 A	113 W	19080	13460	8.4	1
GW R5 675 M	5 (5x3 LED)	4000 K (CRI 70)	0.7 A	132 W	15600	11480	8.8	1
GW R5 615 M	5 (5x3 LED)	4000 K (CRI 70)	0.85 A	159 W	21230	14970	8.8	1
GW R5 676 M	6 (6x3 LED)	4000 K (CRI 70)	0.7 A	159 W	18720	13780	9.1	1
GW R5 616 M	6 (6x3 LED)	4000 K (CRI 70)	0.85 A	185 W	24330	17160	9.1	1

Versions with 3000K (-30K) or 5700K (-57K) LED, and with lower LED current available on demand.  
**NOTE:** due to the continuous changes with the LED technologies, the technical data can undertake variations.  
 Nominal flux referred to Tj=85°C.

**Photometric distributions**



HUGE optic

# Road [5]

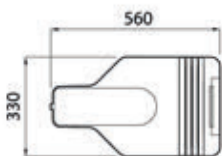
## ROAD [5] - MINI - CLASS II



OPTIC WIDE



GW R5 272



### STREET LIGHTING IN DIE-CAST ALUMINIUM - IP66 - FLAT GLASS - CLASS II



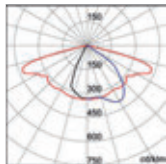
Code	Number of modules	Colour temperature	LED current	System power	Nominal flux (lm)	Lumen output (lm)	Weight (kg)	Pack Carton
<b>Voltage: 220/240 V - 50/60 Hz - Stand alone</b>								
GW R5 231	1 (1x3 LED)	4000 K (CRI 70)	0.35 A	14 W	1560	1310	6.4	1
GW R5 271	1 (1x3 LED)	4000 K (CRI 70)	0.7 A	27 W	3120	2620	6.4	1
GW R5 211	1 (1x3 LED)	4000 K (CRI 70)	1 A	38 W	4770	3840	6.4	1
GW R5 272	2 (2x3 LED)	4000 K (CRI 70)	0.7 A	53 W	6240	5240	6.6	1
GW R5 212	2 (2x3 LED)	4000 K (CRI 70)	1 A	76 W	9540	7680	6.6	1
<b>Voltage: 220/240 V - 50/60 Hz - Bi-power with self-learning</b>								
GW R5 271 B	1 (1x3 LED)	4000 K (CRI 70)	0.7 A	28 W	3120	2620	6.4	1
GW R5 211 B	1 (1x3 LED)	4000 K (CRI 70)	1 A	39 W	4770	3840	6.4	1
GW R5 272 B	2 (2x3 LED)	4000 K (CRI 70)	0.7 A	54 W	6240	5240	6.6	1
GW R5 212 B	2 (2x3 LED)	4000 K (CRI 70)	1 A	77 W	9540	7680	6.6	1
<b>Voltage: 220/240 V - 50/60 Hz - Dimmable 1-10 V</b>								
GW R5 271 M	1 (1x3 LED)	4000 K (CRI 70)	0.7 A	27 W	3120	2620	6.4	1
GW R5 211 M	1 (1x3 LED)	4000 K (CRI 70)	1 A	38 W	4770	3840	6.4	1
GW R5 272 M	2 (2x3 LED)	4000 K (CRI 70)	0.7 A	53 W	6240	5240	6.6	1
GW R5 212 M	2 (2x3 LED)	4000 K (CRI 70)	1 A	76 W	9540	7680	6.6	1

Versions with 3000K (-30K) or 5700K (-57K) LED, and with lower LED current available on demand.

**NOTE:** due to the continuous changes with the LED technologies, the technical data can undertake variations.

Nominal flux referred to Tj=85°C.

#### Photometric distributions



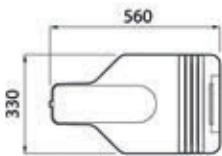
WIDE optic



**OPTIC HUGE**



GW R5 172



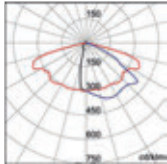
**STREET LIGHTING IN DIE-CAST ALUMINIUM - IP66 - FLAT GLASS - CLASS II**



Code	Number of modules	Colour temperature	LED current	System power	Nominal flux (lm)	Lumen output (lm)	Weight (kg)	Pack Carton
<b>Voltage: 220/240 V - 50/60 Hz - Stand alone</b>								
GW R5 131	1 (1x3 LED)	4000 K (CRI 70)	0.35 A	14 W	1560	1150	6.4	1
GW R5 171	1 (1x3 LED)	4000 K (CRI 70)	0.7 A	27 W	3120	2300	6.4	1
GW R5 111	1 (1x3 LED)	4000 K (CRI 70)	1 A	38 W	4770	3370	6.4	1
GW R5 172	2 (2x3 LED)	4000 K (CRI 70)	0.7 A	53 W	6240	4590	6.6	1
GW R5 112	2 (2x3 LED)	4000 K (CRI 70)	1 A	76 W	9540	6730	6.6	1
<b>Voltage: 220/240 V - 50/60 Hz - Bi-power with self-learning</b>								
GW R5 171 B	1 (1x3 LED)	4000 K (CRI 70)	0.7 A	28 W	3120	2300	6.4	1
GW R5 111 B	1 (1x3 LED)	4000 K (CRI 70)	1 A	39 W	4770	3370	6.4	1
GW R5 172 B	2 (2x3 LED)	4000 K (CRI 70)	0.7 A	54 W	6240	4590	6.6	1
GW R5 112 B	2 (2x3 LED)	4000 K (CRI 70)	1 A	77 W	9540	6730	6.6	1
<b>Voltage: 220/240 V - 50/60 Hz - Dimmable 1-10 V</b>								
GW R5 171 M	1 (1x3 LED)	4000 K (CRI 70)	0.7 A	27 W	3120	2300	6.4	1
GW R5 111 M	1 (1x3 LED)	4000 K (CRI 70)	1 A	38 W	4770	3370	6.4	1
GW R5 172 M	2 (2x3 LED)	4000 K (CRI 70)	0.7 A	53 W	6240	4590	6.6	1
GW R5 112 M	2 (2x3 LED)	4000 K (CRI 70)	1 A	76 W	9540	6730	6.6	1

Versions with 3000K (-30K) or 5700K (-57K) LED, and with lower LED current available on demand.  
**NOTE:** due to the continuous changes with the LED technologies, the technical data can undertake variations.  
 Nominal flux referred to Tj=85°C.

**Photometric distributions**

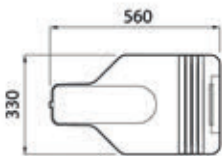


HUGE optic

**CYCLE AND PEDESTRIAN OPTIC**



GW R5 371 M



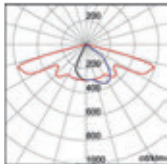
**STREET LIGHTING IN DIE-CAST ALUMINIUM - IP66 - FLAT GLASS - CLASS II**



Code	Number of modules	Colour temperature	LED current	System power	Nominal flux (lm)	Lumen output (lm)	Weight (kg)	Pack Carton
<b>Voltage: 220/240 V - 50/60 Hz - Dimmable 1-10 V</b>								
GW R5 371 M	1 (1x3 LED)	4000 K (CRI 70)	0.7 A	27 W	2350	1900	6.4	1
GW R5 372 M	2 (2x3 LED)	4000 K (CRI 70)	0.7 A	53 W	4700	3800	6.6	1

Versions with 3000K (-30K) or 5700K (-57K) LED, and with lower LED current available on demand.  
**NOTE:** due to the continuous changes with the LED technologies, the technical data can undertake variations.  
 Nominal flux referred to Tj=85°C.

**Photometric distributions**



Cycle ped. optic

# Road [5]

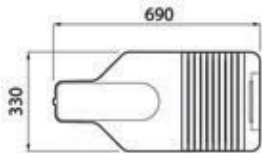
## ROAD [5] - MEDIUM - CLASS II



OPTIC WIDE



GW R5 274



### STREET LIGHTING IN DIE-CAST ALUMINIUM - IP66 - FLAT GLASS - CLASS II



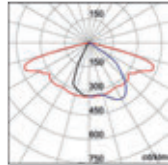
Code	Number of modules	Colour temperature	LED current	System power	Nominal flux (lm)	Lumen output (lm)	Weight (kg)	Pack Carton
<b>Voltage: 220/240 V - 50/60 Hz - Stand alone</b>								
GW R5 273	3 (3x3 LED)	4000 K (CRI 70)	0.7 A	79 W	9360	7860	8	1
GW R5 213	3 (3x3 LED)	4000 K (CRI 70)	1 A	113 W	14310	11520	8	1
GW R5 274	4 (4x3 LED)	4000 K (CRI 70)	0.7 A	106 W	12480	10480	8.4	1
GW R5 214	4 (4x3 LED)	4000 K (CRI 70)	1 A	151 W	19080	15360	8.4	1
GW R5 275	5 (5x3 LED)	4000 K (CRI 70)	0.7 A	132 W	15600	13100	8.8	1
GW R5 215	5 (5x3 LED)	4000 K (CRI 70)	0.85 A	159 W	21230	17090	8.8	1
GW R5 276	6 (6x3 LED)	4000 K (CRI 70)	0.7 A	159 W	18720	15730	9.1	1
GW R5 216	6 (6x3 LED)	4000 K (CRI 70)	0.85 A	185 W	24330	19580	9.1	1
<b>Voltage: 220/240 V - 50/60 Hz - Bi-power with self-learning</b>								
GW R5 273 B	3 (3x3 LED)	4000 K (CRI 70)	0.7 A	81 W	9360	7860	8	1
GW R5 213 B	3 (3x3 LED)	4000 K (CRI 70)	1 A	115 W	14310	11520	8	1
GW R5 274 B	4 (4x3 LED)	4000 K (CRI 70)	0.7 A	108 W	12480	10480		1
GW R5 214 B	4 (4x3 LED)	4000 K (CRI 70)	1 A	153 W	19080	15360		1
GW R5 275 B	5 (5x3 LED)	4000 K (CRI 70)	0.7 A	134 W	15600	13100	8.8	1
GW R5 215 B	5 (5x3 LED)	4000 K (CRI 70)	0.85 A	161 W	21230	17090	8.8	1
GW R5 276 B	6 (6x3 LED)	4000 K (CRI 70)	0.7 A	161 W	18720	15730	9.1	1
GW R5 216 B	6 (6x3 LED)	4000 K (CRI 70)	0.85 A	187 W	24330	19580	9.1	1
<b>Voltage: 220/240 V - 50/60 Hz - Dimmable 1-10 V</b>								
GW R5 273 M	3 (3x3 LED)	4000 K (CRI 70)	0.7 A	79 W	9360	7860	8	1
GW R5 213 M	3 (3x3 LED)	4000 K (CRI 70)	1 A	113 W	14310	11520	8	1
GW R5 274 M	4 (4x3 LED)	4000 K (CRI 70)	0.7 A	106 W	12480	10480	8.4	1
GW R5 214 M	4 (4x3 LED)	4000 K (CRI 70)	1 A	113 W	19080	15360	8.4	1
GW R5 275 M	5 (5x3 LED)	4000 K (CRI 70)	0.7 A	132 W	15600	13100	8.8	1
GW R5 215 M	5 (5x3 LED)	4000 K (CRI 70)	0.85 A	159 W	21230	17090	8.8	1
GW R5 276 M	6 (6x3 LED)	4000 K (CRI 70)	0.7 A	159 W	18720	15730	9.1	1
GW R5 216 M	6 (6x3 LED)	4000 K (CRI 70)	0.85 A	185 W	24330	19580	9.1	1

Versions with 3000K (-30K) or 5700K (-57K) LED, and with lower LED current available on demand.

**NOTE:** due to the continuous changes with the LED technologies, the technical data can undertake variations.

Nominal flux referred to Tj=85°C.

#### Photometric distributions

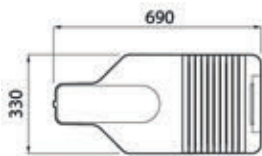


WIDE optic

**OPTIC HUGE**



GW R5 174



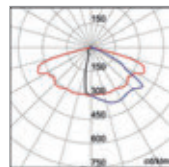
**STREET LIGHTING IN DIE-CAST ALUMINIUM - IP66 - FLAT GLASS - CLASS II**



Code	Number of modules	Colour temperature	LED current	System power	Nominal flux (lm)	Lumen output (lm)	Weight (kg)	Pack Carton
<b>Voltage: 220/240 V - 50/60 Hz - Stand alone</b>								
GW R5 173	3 (3x3 LED)	4000 K (CRI 70)	0.7 A	79 W	9360	6890	8	1
GW R5 113	3 (3x3 LED)	4000 K (CRI 70)	1 A	113 W	14310	10100	8	1
GW R5 174	4 (4x3 LED)	4000 K (CRI 70)	0.7 A	106 W	12480	9190	8.4	1
GW R5 114	4 (4x3 LED)	4000 K (CRI 70)	1 A	151 W	19080	13460	8.4	1
GW R5 175	5 (5x3 LED)	4000 K (CRI 70)	0.7 A	132 W	15600	11480	8.8	1
GW R5 115	5 (5x3 LED)	4000 K (CRI 70)	0.85 A	159 W	21230	14970	8.8	1
GW R5 176	6 (6x3 LED)	4000 K (CRI 70)	0.7 A	159 W	18720	13780	9.1	1
GW R5 116	6 (6x3 LED)	4000 K (CRI 70)	0.85 A	185 W	24330	17160	9.1	1
<b>Voltage: 220/240 V - 50/60 Hz - Bi-power with self-learning</b>								
GW R5 173 B	3 (3x3 LED)	4000 K (CRI 70)	0.7 A	81 W	9360	6890	8	1
GW R5 113 B	3 (3x3 LED)	4000 K (CRI 70)	1 A	115 W	14310	10100	8	1
GW R5 174 B	4 (4x3 LED)	4000 K (CRI 70)	0.7 A	108 W	12480	9190	8.4	1
GW R5 114 B	4 (4x3 LED)	4000 K (CRI 70)	1 A	153 W	19080	13460	8.4	1
GW R5 175 B	5 (5x3 LED)	4000 K (CRI 70)	0.7 A	134 W	15600	11480	8.8	1
GW R5 115 B	5 (5x3 LED)	4000 K (CRI 70)	0.85 A	161 W	21230	14970	8.8	1
GW R5 176 B	6 (6x3 LED)	4000 K (CRI 70)	0.7 A	161 W	18720	13780	9.1	1
GW R5 116 B	6 (6x3 LED)	4000 K (CRI 70)	0.85 A	187 W	24330	17160	9.1	1
<b>Voltage: 220/240 V - 50/60 Hz - Dimmable 1-10 V</b>								
GW R5 173 M	3 (3x3 LED)	4000 K (CRI 70)	0.7 A	79 W	9360	6890	8	1
GW R5 113 M	3 (3x3 LED)	4000 K (CRI 70)	1 A	113 W	14310	10100	8	1
GW R5 174 M	4 (4x3 LED)	4000 K (CRI 70)	0.7 A	106 W	12480	9190	8.4	1
GW R5 114 M	4 (4x3 LED)	4000 K (CRI 70)	1 A	113 W	19080	13460	8.4	1
GW R5 175 M	5 (5x3 LED)	4000 K (CRI 70)	0.7 A	132 W	15600	11480	8.8	1
GW R5 115 M	5 (5x3 LED)	4000 K (CRI 70)	0.85 A	159 W	21230	14970	8.8	1
GW R5 176 M	6 (6x3 LED)	4000 K (CRI 70)	0.7 A	159 W	18720	13780	9.1	1
GW R5 116 M	6 (6x3 LED)	4000 K (CRI 70)	0.85 A	185 W	24330	17160	9.1	1

Versions with 3000K (-30K) or 5700K (-57K) LED, and with lower LED current available on demand.  
**NOTE:** due to the continuous changes with the LED technologies, the technical data can undertake variations.  
 Nominal flux referred to Tj=85°C.

**Photometric distributions**



HUGE optic

# Road [5]

## COMPACTNESS AND STRENGTH

## PERFORMANCE EXCELLENCE

## SIMPLIFIED INSTALLATION



The compact design and size contained in the luminaire are designed to fit in a balanced and discretion in any urban center, the big city to small towns.



The different types of roads in the environment urban and suburban require the availability of different distributions bright. The appliance Road [5] It has different types of optics capable of satisfying all the installation requirements.



The wiring can be done to equipment already fixed (without opening it use any tool), reducing considerably the installation time and making operations extremely secure.

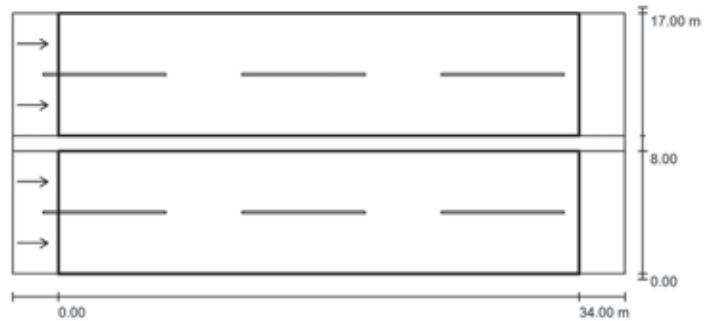
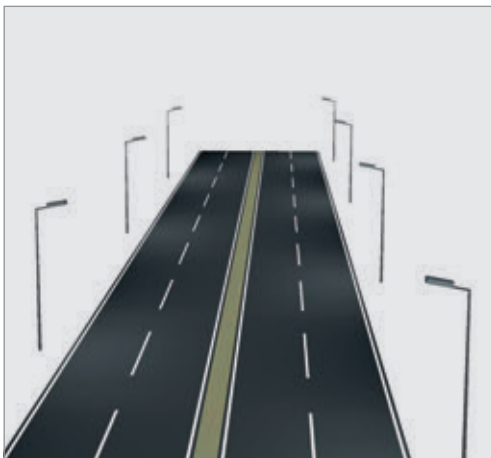
## Technical characteristics

<b>INSTALLATION</b>	External
<b>COLOUR</b>	Graphite grey and Aluminium grey
<b>MATERIALS</b>	
<b>Body</b>	Die-cast aluminium EN AB 46100
<b>Heat sink</b>	Integrated in the cover
<b>Reflector</b>	Metallised PC
<b>Shield</b>	Extra-clear flat glass 4 mm

<b>DEGREE OF PROTECTION</b>	IP66
<b>IMPACT RESISTANCE</b>	IK08
<b>INSULATION CLASS</b>	I/II
<b>LIFETIME</b>	L80B05@+25°C 77.000h a 0.7A L80B05@+25°C 120.000h a 1A
<b>MARKS</b>	CE

## Technical solutions

### Project: M2 road



	Lm [cd/m <sup>2</sup> ]	U0	UI	fTI [%]	SR
<b>Calculated values</b>	1.51	0.79	0.74	10	0.79
<b>Required values according to class</b>	≥ 1.50	≥ 0.40	≥ 0.70	≤ 10	≥ 0.35
<b>Fulfilled/Not fulfilled</b>	✓	✓	✓	✓	✓

Device configuration	Reference standard	Lighting class	Number of carriageways	Number of lanes	Road width	Pole height	Interdistance
<b>GEWISS GWR5274 ROAD [5] 4(4X3 LED) 4000 K</b>	EN 13201-2	M2	2	4	16 metres	9 metres	34 metres

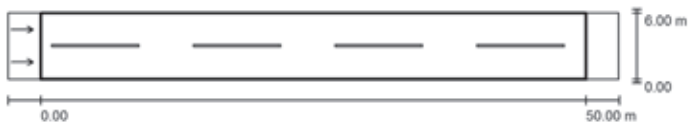
**Project: M3 road**



	Lm [cd/m <sup>2</sup> ]	U0	UI	fTI [%]	SR
<b>Calculated values</b>	1.13	0.51	0.60	12	0.56
<b>Required values according to class</b>	≥ 1.00	≥ 0.40	≥ 0.60	≤ 15	≥ 0.30
<b>Fulfilled/Not fulfilled</b>	✓	✓	✓	✓	✓

Device configuration	Reference standard	Lighting class	Number of carriageways	Number of lanes	Road width	Pole height	Interdistance
<b>GEWISS GWR5273 ROAD [5] 3(3X3 LED) 4000 K</b>	EN 13201-2	M3	1	2	7 metres	8 metres	34 metres

**Project: M5 road**



	Lm [cd/m <sup>2</sup> ]	U0	UI	fTI [%]	SR
<b>Calculated values</b>	0.51	0.36	0.45	15	0.51
<b>Required values according to class</b>	≥ 0.50	≥ 0.35	≥ 0.40	≤ 15	≥ 0.30
<b>Fulfilled/Not fulfilled</b>	✓	✓	✓	✓	✓

Device configuration	Reference standard	Lighting class	Number of carriageways	Number of lanes	Road width	Pole height	Interdistance
<b>GEWISS GWR5271 ROAD [5] 1(1X3 LED) 4000 K</b>	EN 13201-2	M5	1	2	6 metres	6 metres	50 metres

# Street [O<sub>3</sub>]



## Street lighting LED system

Street [O<sub>3</sub>] is an innovative street lighting line for lighting public and private roads, large outdoor areas and car parks. The modular LED elements and variety of optics produce different levels of lighting to meet every design need. The [O<sub>3</sub>] Optical Output Optimize technology offers great versatility and guarantees high performance results from the device.



Technical characteristics page 29

## STREET [O<sub>3</sub>]



### LED - OPTIC ST1



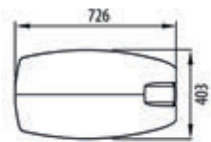
GW 87 413

### STREET LIGHTING IN DIE-CAST ALUMINIUM - IP66 LED MODULES POWERED AT 700 mA WITH PMMA LENSES

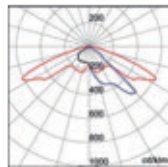


Code	Number of modules	Colour temperature	System power	Nominal flux (lm)	Lumen output (lm)	Colour	Weight (kg)	Pack Carton
<b>Voltage: 220/240 V - 50/60 Hz - Stand alone and/or possibility of dimmer 1-10 V</b>								
GW 87 410	1 (1x16 LED)	4000 K (CRI 70)	37 W	4140	3470	Graphite/Aluminium	8.5	1
GW 87 411	2 (2x16 LED)	4000 K (CRI 70)	68 W	8050	6760	Graphite/Aluminium	9.1	1
GW 87 412	3 (3x16 LED)	4000 K (CRI 70)	99 W	11740	9860	Graphite/Aluminium	9.6	1
GW 87 413	4 (4x16 LED)	4000 K (CRI 70)	131 W	15370	12900	Graphite/Aluminium	10.3	1
GW 87 414	5 (5x16 LED)	4000 K (CRI 70)	127 W	16360	13740	Graphite/Aluminium	10.9	1

**NOTE:** data refer to 700 mA with the exclusion of the 5 module version, which can be set to max 550 mA. Driver adjustable at different LED current. Due to the continuous changes with the LED technologies, the technical data can undertake variations. The nominal flux is referred to Tj=85°C.



#### Photometric distributions



ST1 optic



GW 87 533

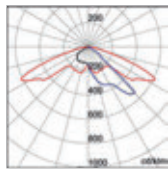
**STREET LIGHTING IN DIE-CAST ALUMINIUM - IP66  
LED MODULES POWERED AT 550 mA WITH PMMA LENSES**



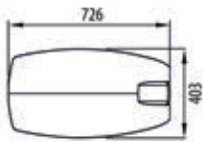
Code	Number of modules	Colour temperature	System power	Nominal flux (lm)	Lumen output (lm)	Colour	Weight (kg)	Pack Carton
<b>Voltage: 220/240 V - 50/60 Hz - Bi-power with self-learning</b>								
GW 87 530	1 (1x16 LED)	4000 K (CRI 70)	31 W	3610	3030	Graphite/Aluminium	8.5	1
GW 87 531	2 (2x16 LED)	4000 K (CRI 70)	54 W	7020	5890	Graphite/Aluminium	9.1	1
GW 87 532	3 (3x16 LED)	4000 K (CRI 70)	81 W	10230	8590	Graphite/Aluminium	9.7	1
GW 87 533	4 (4x16 LED)	4000 K (CRI 70)	105 W	13400	11240	Graphite/Aluminium	10.3	1
GW 87 534	5 (5x16 LED)	4000 K (CRI 70)	129 W	16530	13870	Graphite/Aluminium	10.9	1

**NOTES:** the data refer to 550 mA.  
due to the continuous changes with the LED technologies, the technical data can undertake variations.  
The nominal flux is referred to Tj=85°C.  
Full prog.driver setted in self learning Bi-power mode (50% reduction from 1 h previous to 4 h after the mid point switch on period).

**Photometric distributions**



ST1 optic



**LED - OPTIC ST1 - FOR PHOTOVOLTAIC SYSTEMS**



GW 87 571

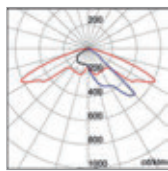
**STREET LIGHTING IN DIE-CAST ALUMINIUM - IP66  
LED MODULES POWERED AT 530 mA WITH PMMA LENSES**



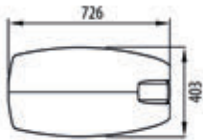
Code	Number of modules	Colour temperature	System power	Nominal flux (lm)	Lumen output (lm)	Colour	Weight (kg)	Pack Carton
<b>Voltage: 24 V dc - Stand alone</b>								
GW 87 571	2 (2x16 LED)	4000 K (CRI 70)	50 W	6750	5660	Graphite/Aluminium	9.1	1

**NOTE:** the data refer to 550 mA.  
Due to the continuous changes with the LED technologies, the technical data can undertake variations.  
The nominal flux is referred to Tj=85°C.

**Photometric distributions**



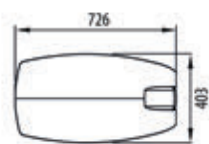
ST1 optic



## LED - OPTIC ST2



GW 87 433



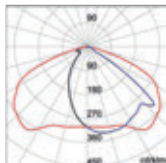
### STREET LIGHTING IN DIE-CAST ALUMINIUM - IP66 LED MODULES POWERED AT 700 mA WITH PMMA LENSES



Code	Number of modules	Colour temperature	System power	Nominal flux (lm)	Lumen output (lm)	Colour	Weight (kg)	Pack Carton
<b>Voltage: 220/240 V - 50/60 Hz - Stand alone and/or possibility of dimmer 1-10 V</b>								
GW 87 430	1 (1x16 LED)	4000 K (CRI 70)	37 W	4140	3630	Graphite/Aluminium	8.5	1
GW 87 431	2 (2x16 LED)	4000 K (CRI 70)	68 W	8050	7060	Graphite/Aluminium	9.1	1
GW 87 432	3 (3x16 LED)	4000 K (CRI 70)	99 W	11740	10300	Graphite/Aluminium	9.7	1
GW 87 433	4 (4x16 LED)	4000 K (CRI 70)	131 W	15370	13480	Graphite/Aluminium	10.3	1
GW 87 434	5 (5x16 LED)	4000 K (CRI 70)	127 W	16360	14350	Graphite/Aluminium	10.9	1

**NOTE:** data refer to 700 mA with the exclusion of the 5 module version, which can be set to max 550 mA. Driver adjustable at different LED current. Due to the continuous changes with the LED technologies, the technical data can undertake variations. The nominal flux is referred to T<sub>j</sub>=85°C.

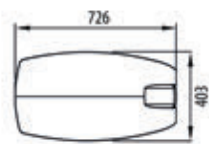
#### Photometric distributions



ST2 optic



GW 57 633



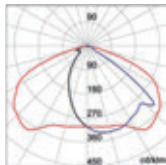
### STREET LIGHTING IN DIE-CAST ALUMINIUM - IP66 LED MODULES POWERED AT 550 mA WITH PMMA LENSES



Code	Number of modules	Colour temperature	System power	Nominal flux (lm)	Lumen output (lm)	Colour	Weight (kg)	Pack Carton
<b>Voltage: 220/240 V - 50/60 Hz - Bi-power with self-learning</b>								
GW 57 630	1 (1x16 LED)	4000 K (CRI 70)	31 W	3610	3160	Graphite/Aluminium	8.5	1
GW 57 631	2 (2x16 LED)	4000 K (CRI 70)	54 W	7020	6160	Graphite/Aluminium	9.1	1
GW 57 632	3 (3x16 LED)	4000 K (CRI 70)	81 W	10230	8980	Graphite/Aluminium	9.7	1
GW 57 633	4 (4x16 LED)	4000 K (CRI 70)	105 W	13400	11760	Graphite/Aluminium	10.3	1
GW 57 634	5 (5x16 LED)	4000 K (CRI 70)	129 W	16530	14500	Graphite/Aluminium	10.9	1

**NOTES:** The data refer to 550 mA. Due to the continuous changes with the LED technologies, the technical data can undertake variations. The nominal flux is referred to T<sub>j</sub>=85°C. Full prog.driver setted in self learning Bi-power mode (50% reduction from 1 h previous to 4 h after the mid point switch on period).

#### Photometric distributions



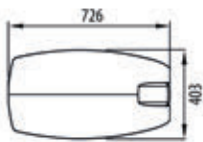
ST2 optic



**LED - OPTIC ST3**



GW 87 453



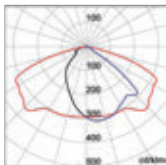
**STREET LIGHTING IN DIE-CAST ALUMINIUM - IP66  
LED MODULES POWERED AT 700 mA WITH PMMA LENSES**



Code	Number of modules	Colour temperature	System power	Nominal flux (lm)	Lumen output (lm)	Colour	Weight (kg)	Pack Carton
<b>Voltage: 220/240 V - 50/60 Hz - Stand alone and/or possibility of dimmer 1-10 V</b>								
GW 87 450	1 (1x16 LED)	4000 K (CRI 70)	37 W	4140	3630	Graphite/Aluminium	8.5	1
GW 87 451	2 (2x16 LED)	4000 K (CRI 70)	68 W	8050	7060	Graphite/Aluminium	9.1	1
GW 87 452	3 (3x16 LED)	4000 K (CRI 70)	99 W	11740	10300	Graphite/Aluminium	9.7	1
GW 87 453	4 (4x16 LED)	4000 K (CRI 70)	131 W	15370	13480	Graphite/Aluminium	10.3	1
GW 87 454	5 (5x16 LED)	4000 K (CRI 70)	127 W	16360	14350	Graphite/Aluminium	10.9	1

**NOTE:** data refer to 700 mA with the exclusion of the 5 module version, which can be set to max 550 mA. Driver adjustable at different LED current. Due to the continuous changes with the LED technologies, the technical data can undertake variations. The nominal flux is referred to Tj=85°C.

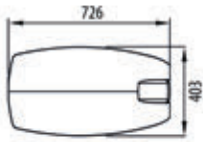
**Photometric distributions**



ST3 optic



GW 57 683



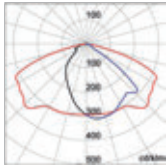
**STREET LIGHTING IN DIE-CAST ALUMINIUM - IP66  
LED MODULES POWERED AT 550 mA WITH PMMA LENSES**



Code	Number of modules	Colour temperature	System power	Nominal flux (lm)	Lumen output (lm)	Colour	Weight (kg)	Pack Carton
<b>Voltage: 220/240 V - 50/60 Hz - Bi-power with self-learning</b>								
GW 57 680	1 (1x16 LED)	4000 K (CRI 70)	31 W	3610	3160	Graphite/Aluminium	8.5	1
GW 57 681	2 (2x16 LED)	4000 K (CRI 70)	54 W	7020	6160	Graphite/Aluminium	9.1	1
GW 57 682	3 (3x16 LED)	4000 K (CRI 70)	81 W	10230	8980	Graphite/Aluminium	9.7	1
GW 57 683	4 (4x16 LED)	4000 K (CRI 70)	105 W	13400	11760	Graphite/Aluminium	10.3	1
GW 57 684	5 (5x16 LED)	4000 K (CRI 70)	129 W	16530	14500	Graphite/Aluminium	10.9	1

**NOTES:** The data refer to 550 mA. Due to the continuous changes with the LED technologies, the technical data can undertake variations. The nominal flux is referred to Tj=85°C. Full prog.driver setted in self learning Bi-power mode (50% reduction from 1 h previous to 4 h after the mid point switch on period).

**Photometric distributions**



ST3 optic

## LED - CYCLE AND PEDESTRIAN OPTIC



GW S7 112

### STREET LIGHTING IN DIE-CAST ALUMINIUM - IP66 LED MODULES POWERED AT 700 mA WITH PMMA LENSES

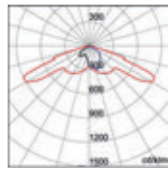


Code	Number of modules	Colour temperature	System power	Nominal flux (lm)	Lumen output (lm)	Colour	Weight (kg)	Pack Carton
<b>Voltage: 220/240 V - 50/60 Hz - Stand alone and/or possibility of dimmer 1-10 V</b>								
GW S7 110	1 (1x16 LED)	4000 K (CRI 70)	37 W	4140	3260	Graphite/Aluminium	8.5	1
GW S7 111	2 (2x16 LED)	4000 K (CRI 70)	68 W	8050	6330	Graphite/Aluminium	9.1	1
GW S7 112	3 (3x16 LED)	4000 K (CRI 70)	99 W	11740	9250	Graphite/Aluminium	9.6	1

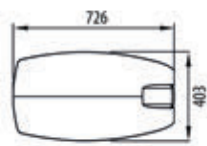
**NOTE:** the data refer to 700 mA.

Due to the continuous changes with the LED technologies, the technical data can undertake variations. Driver adjustable at different LED current. The nominal flux is referred to T<sub>j</sub>=85°C.

#### Photometric distributions



Cycle ped.optic



GW S7 030

### STREET LIGHTING IN DIE-CAST ALUMINIUM - IP66 LED MODULES POWERED AT 550 mA WITH PMMA LENSES



Code	Number of modules	Colour temperature	System power	Nominal flux (lm)	Lumen output (lm)	Colour	Weight (kg)	Pack Carton
<b>Voltage: 220/240 V - 50/60 Hz - Bi-power with self-learning</b>								
GW S7 030	1 (1x16 LED)	4000 K (CRI 70)	31 W	3610	2840	Graphite/Aluminium	8.5	1
GW S7 031	2 (2x16 LED)	4000 K (CRI 70)	54 W	7020	5520	Graphite/Aluminium	9.1	1
GW S7 032	3 (3x16 LED)	4000 K (CRI 70)	81 W	10230	8060	Graphite/Aluminium	9.7	1

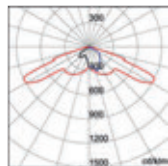
**NOTES:** the data refer to 550 mA.

due to the continuous changes with the LED technologies, the technical data can undertake variations.

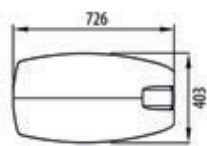
The nominal flux is referred to T<sub>j</sub>=85°C.

Full prog.driver setted in self learning Bi-power mode (50% reduction from 1 h previous to 4 h after the mid point switch on period).

#### Photometric distributions



Cycle ped.optic



LED - CYCLE AND PEDESTRIAN OPTIC - FOR PHOTOVOLTAIC SYSTEMS



GW S7 071

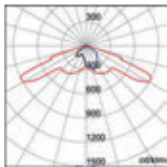
**STREET LIGHTING IN DIE-CAST ALUMINIUM - IP66  
LED MODULES POWERED AT 530 mA WITH PMMA LENSES**



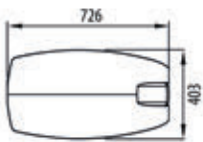
Code	Number of modules	Colour temperature	System power	Nominal flux (lm)	Lumen output (lm)	Colour	Weight (kg)	Pack Carton
<b>Voltage: 24 V dc - Stand alone</b>								
GW S7 071	2 (2x16 LED)	4000 K (CRI 70)	50 W	6750	5310	Graphite/Aluminium	9.1	1

**NOTE:** the data refer to 550 mA.  
Due to the continuous changes with the LED technologies, the technical data can undertake variations.  
The nominal flux is referred to Tj=85°C.

**Photometric distributions**



Cycle ped.optic



## GEWISS POLES AND SIDE BRACKETS



GW 84 096

### CONICAL POLES PAINTED

Code	Total length (m)	Planting (m)	Base diameter (mm)	Top diameter (mm)	Colour	Weight (kg)	Pack Carton
GW 84 096	5.5	0.5	115	60	Graphite grey	45	1
GW 87 591	6.8	0.8	128	60	Graphite grey	48	1
GW 84 097	7.8	0.8	138	60	Graphite grey	54	1
GW 87 592	8.8	0.8	148	60	Graphite grey	91	1
GW 87 593	9.8	0.8	158	60	Graphite grey	107	1

**NOTE:** painted poles in hot galvanised steel complete with a junction terminal block.



GW 87 582

### POLE HEAD BRACKETS - Ø 60 MM

Code	Description	Length	Colour	Weight (kg)	Pack Carton
GW 87 581	Single pole head bracket	1 m	Graphite grey	8	1
GW 87 582	Double pole head bracket	1+1 m	Graphite grey	11.5	1



GW 87 587

### BRACKETS AT VARIABLE HEIGHTS

Code	Description	Length	Colour	Weight (kg)	Pack Carton
GW 87 586	Long bracket	1 m	Graphite grey	6	1
GW 87 587	Short bracket	0.5 m	Graphite grey	3.5	1

**NOTE:** for poles with a diameter from 60 to 75 mm.



GW 86 167

### WALL-MOUNTING BRACKET

Code	Description	Outer dim. LxHxD (mm)	Colour	Weight (kg)	Pack Carton
GW 86 167	Wall-mounting bracket	150x160x290	Graphite grey	1.6	1

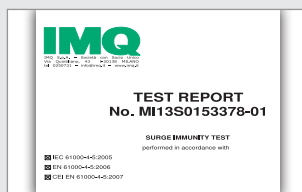
**APPLICATIONS:** allows the installation of the device on the wall and on 90° edges.

**CHARACTERISTICS:** hot galvanised steel and painted.

# Street [O<sub>3</sub>]



## OVERVOLTAGE PROTECTION



Thanks to the complete separation of electric / electronic parts from the device body, the Street [O<sub>3</sub>] device is protected against induced overvoltages greater than 12KV in common mode, in accordance with Standard CEI EN 61000-4-5 (third party certification).

## NEW OPTICS



The Street [O<sub>3</sub>] range uses optical refraction coupled to the source obtaining a better efficiency and a re-optimal partition of the luminous flux. The GEWISS optics have been designed following the 3D model with the intent to define the geometries with maximum precision.

## 5-YEAR WARRANTY



This Led Lighting Gewiss range benefit from a full five-year warranty.

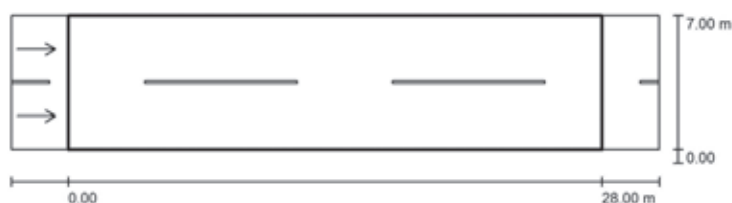
## Technical characteristics of LED version

<b>INSTALLATION</b>	External
<b>COLOUR</b>	Graphite grey and Aluminium grey
<b>MATERIALS</b>	
<b>Body</b>	Die-cast aluminium EN AB 46100
<b>Heat sink</b>	Aluminium extrusion - range 6000
<b>Lenses</b>	Integrated in the shield
<b>Shield</b>	PMMA

<b>DEGREE OF PROTECTION</b>	IP66
<b>IMPACT RESISTANCE</b>	IK08 / IK06
<b>INSULATION CLASS</b>	II
<b>LIFETIME</b>	L80B10 @+25°C >100.000h L90B20 @+25°C >50.000h
<b>MARKS</b>	CE

## Technical solutions

### Project: M3 road



	Lm [cd/m <sup>2</sup> ]	U0	UI	fT1 [%]	SR
<b>Calculated values</b>	1.19	0.50	0.61	6	0.62
<b>Required values according to class</b>	≥ 1.00	≥ 0.40	≥ 0.60	≤ 15	≥ 0.30
<b>Fulfilled/Not fulfilled</b>	✓	✓	✓	✓	✓

Device configuration	Reference standard	Lighting class	Number of carriageways	Number of lanes	Road width	Pole height	Interdistance
<b>GEWISS GW87432 STREET[O<sub>3</sub>] 3X16 LED 700 mA 4000 K</b>	EN 13201-2	M3	1	2	7 metres	8 metres	30 metres

# Street [O<sub>3</sub>]

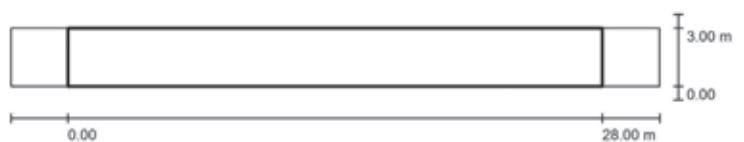
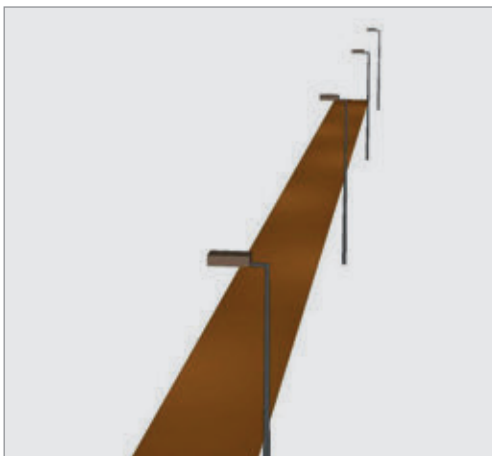
## Project: M4 road



	Lm [cd/m <sup>2</sup> ]	U0	UI	fTI [%]	SR
<b>Calculated values</b>	0.78	0.48	0.60	11	0.46
<b>Required values according to class</b>	≥ 0.75	≥ 0.40	≥ 0.60	≤ 15	≥ 0.30
<b>Fulfilled/Not fulfilled</b>	✓	✓	✓	✓	✓

Device configuration	Reference standard	Lighting class	Number of carriageways	Number of lanes	Road width	Pole height	Interdistance
<b>GEWISS GWS7681 STREET[O<sub>3</sub>] 2X16 LED 550 mA 4000 K</b>	EN 13201-2	M4	1	2	7 metres	6 metres	24 metres

## Project: P1 cycle and pedestrian path



	Em [lx]	Emin [lx]
<b>Calculated values</b>	15:20	6.14
<b>Required values according to class</b>	≥ 15.00	≥ 3.00
<b>Fulfilled/Not fulfilled</b>	✓	✓

Device configuration	Reference standard	Lighting class	Number of carriageways	Number of lanes	Road width	Pole height	Interdistance
<b>GEWISS GW87450 STREET[O<sub>3</sub>] 1X16 LED 700 mA 4000 K</b>	EN 13201-2	P1	/	/	3 metres	5 metres	25 metres

# Street [O<sub>3</sub>] Maxi



## Street lighting LED system

Street [O<sub>3</sub>] Maxi is the LED lighting system designed for main and urban roads. The modular LED elements and variety of optics produce different levels of lighting to meet every design need. The [O<sub>3</sub>] Optical Output Optimize technology offers great versatility and guarantees high performance results from the device.



STREET LIGHTING

Technical characteristics page 33

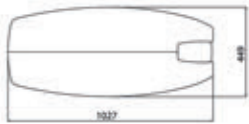
## STREET [O<sub>3</sub>] MAXI



### LED - OPTIC ST1



GW S7 805



### STREET LIGHTING IN DIE-CAST ALUMINIUM - IP66 LED MODULES POWERED AT 550 MA WITH PMMA LENSES



Code	Number of modules	Colour temperature	System power	Nominal flux (lm)	Lumen output (lm)	Colour	Weight (kg)	Pack Carton
<b>Voltage: 220/240 V - 50/60 Hz - Stand alone and/or possibility of dimmer 1-10 V</b>								
GW S7 801	6 (6x16 LED)	4000 K (CRI 70)	166 W	19680	16530	Graphite/Aluminium	16	1
GW S7 802	7 (7x16 LED)	4000 K (CRI 70)	192 W	22960	19310	Graphite/Aluminium	16.7	1
GW S7 803	8 (8x16 LED)	4000 K (CRI 70)	217 W	26250	22030	Graphite/Aluminium	17.3	1
GW S7 804	9 (9x16 LED)	4000 K (CRI 70)	242 W	29520	24780	Graphite/Aluminium	18	1
GW S7 805	10 (10x16 LED)	4000 K (CRI 70)	268 W	32800	27540	Graphite/Aluminium	18.7	1
<b>Voltage: 220/240 V - 50/60 Hz - Bi-power with self-learning</b>								
GW S7 821	6 (6x16 LED)	4000 K (CRI 70)	166 W	19680	16530	Graphite/Aluminium	16	1
GW S7 822	7 (7x16 LED)	4000 K (CRI 70)	192 W	22960	19310	Graphite/Aluminium	16.7	1
GW S7 823	8 (8x16 LED)	4000 K (CRI 70)	217 W	26250	22030	Graphite/Aluminium	17.3	1
GW S7 824	9 (9x16 LED)	4000 K (CRI 70)	242 W	29520	24780	Graphite/Aluminium	18	1
GW S7 825	10 (10x16 LED)	4000 K (CRI 70)	268 W	32800	27540	Graphite/Aluminium	18.7	1

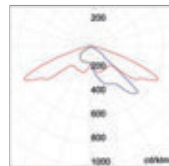
NOTES: the data refer to 550 mA, 1-10 V stand alone and/or dimmerable versions: Adjustable LED current.

Due to the continuous changes with the LED technologies, the technical data can undertake variations.

The nominal flux is referred to Tj=85°C.

Full prog.driver setted in self learning Bi-power mode (50% reduction from 1 h previous to 4 h after the mid point switch on period).

#### Photometric distributions



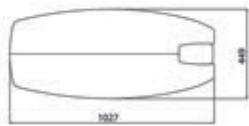
ST1 optic

# Street [O<sub>3</sub>] Maxi

## LED - OPTIC ST2



GW S7 810



### STREET LIGHTING IN DIE-CAST ALUMINIUM - IP66 LED MODULES POWERED AT 550 MA WITH PMMA LENSES



Code	Number of modules	Colour temperature	System power	Nominal flux (lm)	Lumen output (lm)	Colour	Weight (kg)	Pack Carton
<b>Voltage: 220/240 V - 50/60 Hz - Stand alone and/or possibility of dimmer 1-10 V</b>								
GW S7 806	6 (6x16 LED)	4000 K (CRI 70)	166 W	19680	17260	Graphite/Aluminium	16	1
GW S7 807	7 (7x16 LED)	4000 K (CRI 70)	192 W	22960	20140	Graphite/Aluminium	16.7	1
GW S7 808	8 (8x16 LED)	4000 K (CRI 70)	217 W	26250	23030	Graphite/Aluminium	17.3	1
GW S7 809	9 (9x16 LED)	4000 K (CRI 70)	242 W	29520	25900	Graphite/Aluminium	18	1
GW S7 810	10 (10x16 LED)	4000 K (CRI 70)	268 W	32800	28780	Graphite/Aluminium	18.7	1
<b>Voltage: 220/240 V - 50/60 Hz - Bi-power with self-learning</b>								
GW S7 826	6 (6x16 LED)	4000 K (CRI 70)	166 W	19680	17260	Graphite/Aluminium	16	1
GW S7 827	7 (7x16 LED)	4000 K (CRI 70)	192 W	22960	20140	Graphite/Aluminium	16.7	1
GW S7 828	8 (8x16 LED)	4000 K (CRI 70)	217 W	26250	23030	Graphite/Aluminium	17.3	1
GW S7 829	9 (9x16 LED)	4000 K (CRI 70)	242 W	29520	25900	Graphite/Aluminium	18	1
GW S7 830	10 (10x16 LED)	4000 K (CRI 70)	268 W	32800	28780	Graphite/Aluminium	18.7	1

NOTES: The data refer to 550 mA.

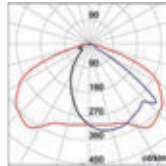
1-10 V stand alone and/or dimmerable versions: Adjustable LED current.

Due to the continuous changes with the LED technologies, the technical data can undertake variations.

The nominal flux is referred to T<sub>j</sub>=85°C.

Full prog.driver setted in self learning Bi-power mode (50% reduction from 1 h previous to 4 h after the mid point switch on period).

#### Photometric distributions

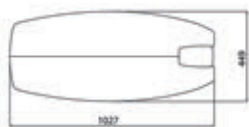


ST2 optic

## LED - OPTIC ST3



GW S7 815



### STREET LIGHTING IN DIE-CAST ALUMINIUM - IP66 LED MODULES POWERED AT 550 MA WITH PMMA LENSES



Code	Number of modules	Colour temperature	System power	Nominal flux (lm)	Lumen output (lm)	Colour	Weight (kg)	Pack Carton
<b>Voltage: 220/240 V - 50/60 Hz - Stand alone and/or possibility of dimmer 1-10 V</b>								
GW S7 811	6 (6x16 LED)	4000 K (CRI 70)	166 W	19680	17260	Graphite/Aluminium	16	1
GW S7 812	7 (7x16 LED)	4000 K (CRI 70)	192 W	22960	20140	Graphite/Aluminium	16.7	1
GW S7 813	8 (8x16 LED)	4000 K (CRI 70)	217 W	26250	23030	Graphite/Aluminium	17.3	1
GW S7 814	9 (9x16 LED)	4000 K (CRI 70)	242 W	29520	25900	Graphite/Aluminium	18	1
GW S7 815	10 (10x16 LED)	4000 K (CRI 70)	268 W	32800	28780	Graphite/Aluminium	18.7	1
<b>Voltage: 220/240 V - 50/60 Hz - Bi-power with self-learning</b>								
GW S7 831	6 (6x16 LED)	4000 K (CRI 70)	166 W	19680	17260	Graphite/Aluminium	16	1
GW S7 832	7 (7x16 LED)	4000 K (CRI 70)	192 W	22960	20140	Graphite/Aluminium	16.7	1
GW S7 833	8 (8x16 LED)	4000 K (CRI 70)	217 W	26250	23030	Graphite/Aluminium	17.3	1
GW S7 834	9 (9x16 LED)	4000 K (CRI 70)	242 W	29520	25900	Graphite/Aluminium	18	1
GW S7 835	10 (10x16 LED)	4000 K (CRI 70)	268 W	32800	28780	Graphite/Aluminium	18.7	1

NOTES: The data refer to 550 mA.

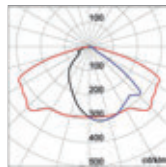
1-10 V stand alone and/or dimmerable versions: Adjustable LED current.

Due to the continuous changes with the LED technologies, the technical data can undertake variations.

The nominal flux is referred to T<sub>j</sub>=85°C.

Full prog.driver setted in self learning Bi-power mode (50% reduction from 1 h previous to 4 h after the mid point switch on period).

#### Photometric distributions



ST3 optic



# Street [O<sub>3</sub>] Maxi



MORE POWER  
FOR LARGER STREETS



Street [O<sub>3</sub>] Maxi guarantees a lumen package of up to 28780lm (10 modules) for lighting busy extra-urban roads and, more generally, for all open spaces requiring efficient lighting.

NEW OPTICS



The Street [O<sub>3</sub>] Maxi range uses optical refraction coupled to the source obtaining a better efficiency and a re-optimal partition of the luminous flux. The GEWISS optics have been designed following the 3D model with the intent to define the geometries with maximum precision.

5-YEAR WARRANTY



This Led Lighting Gewiss range benefit from a full five-year warranty.

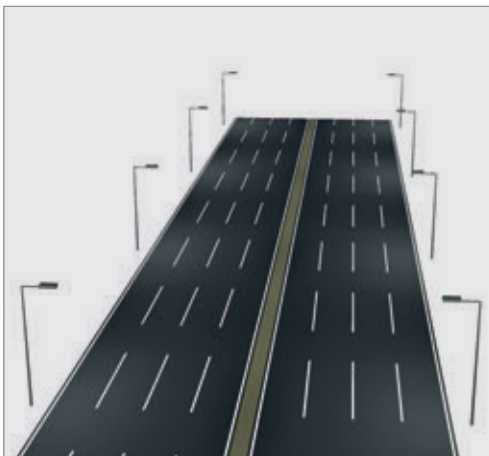
## Technical characteristics

<b>INSTALLATION</b>	External
<b>COLOUR</b>	Graphite grey and Aluminium grey
<b>MATERIALS</b>	
<b>Body</b>	Die-cast aluminium EN AB 46100
<b>Heat sink</b>	Aluminium extrusion - range 6000
<b>Lenses</b>	Integrated in the shield
<b>Shield</b>	PMMA

<b>DEGREE OF PROTECTION</b>	IP66
<b>IMPACT RESISTANCE</b>	IK08 / IK06
<b>INSULATION CLASS</b>	II
<b>LIFETIME</b>	L80B10 @+25°C >100.000h L90B20 @+25°C >50.000h
<b>MARKS</b>	CE

## Technical solutions

### Project: M1 road

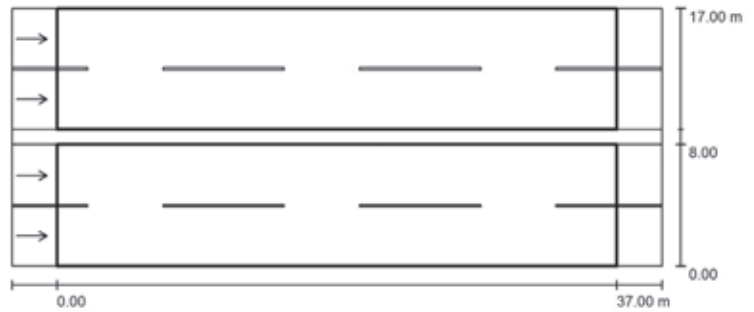
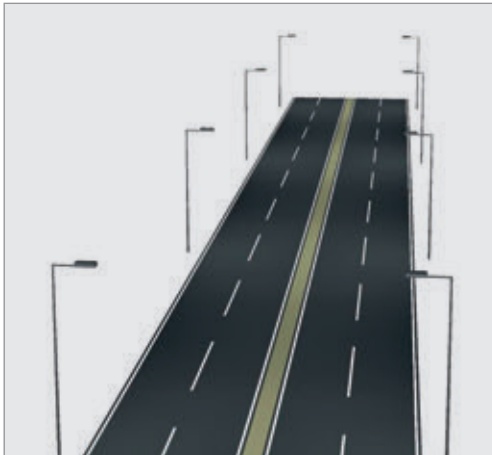


	Lm [cd/m <sup>2</sup> ]	U0	UI	fT1 [%]	SR
<b>Calculated values</b>	2.28	0.68	0.76	6	0.73
<b>Required values according to class</b>	≥ 2.00	≥ 0.40	≥ 0.70	≤10	≥ 0.35
<b>Fulfilled/Not fulfilled</b>	✓	✓	✓	✓	✓

Device configuration	Reference standard	Lighting class	Number of carriageways	Number of lanes	Road width	Pole height	Interdistance
<b>GEWISS GWS7809 STREET[O<sub>3</sub>] MAXI 9X16 LED 550 mA 4000 K</b>	EN 13201-2	M1	2	4	24 metres	10 metres	28 metres

# Street [O<sub>3</sub>] Maxi

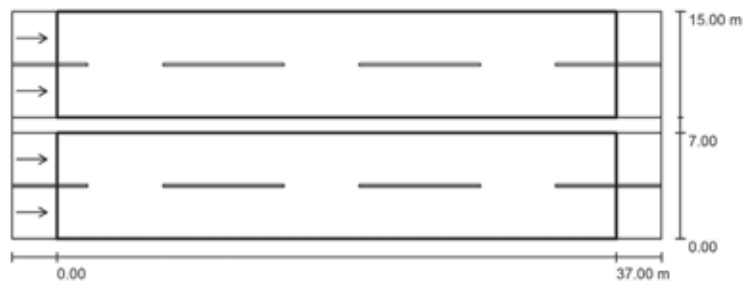
## Project: M2 road



	Lm [cd/m <sup>2</sup> ]	U0	UI	fTI [%]	SR
<b>Calculated values</b>	1.50	0.69	0.72	10	0.78
<b>Required values according to class</b>	≥ 1.50	≥ 0.40	≥ 0.70	≤ 10	≥ 0.35
<b>Fulfilled/Not fulfilled</b>	✓	✓	✓	✓	✓

Device configuration	Reference standard	Lighting class	Number of carriageways	Number of lanes	Road width	Pole height	Interdistance
<b>GEWISS GWS7812 STREET[O<sub>3</sub>] MAXI 7X16 LED 550 mA 4000 K</b>	EN 13201-2	M2	2	4	16 metres	10 metres	37 metres

## Project: M3 road



	Lm [cd/m <sup>2</sup> ]	U0	UI	fTI [%]	SR
<b>Calculated values</b>	1.20	0.52	0.62	7	0.86
<b>Required values according to class</b>	≥ 1.00	≥ 0.40	≥ 0.60	≤ 15	≥ 0.50
<b>Fulfilled/Not fulfilled</b>	✓	✓	✓	✓	✓

Device configuration	Reference standard	Lighting class	Number of carriageways	Number of lanes	Road width	Pole height	Interdistance
<b>GEWISS GWS7811 STREET[O<sub>3</sub>] MAXI 6X16 LED 550 mA 4000 K</b>	EN 13201-2	M3	2	4	14 metres	10 metres	40 metres

# Avenue 1

## Street lighting system

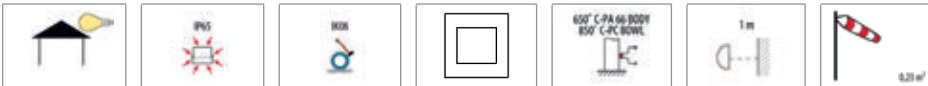
Avenue 1 is the range of street lighting with a pole coupling in die-cast aluminium and a body in technopolymer. With ¼ turn lever opening and a removable electric component case. Cut-off optic with flat glass, or semi cut-off with bowl. In addition, the tilt of the main body can be adjusted for angles of  $\pm 15^\circ$ .



STREET LIGHTING

Technical characteristics page 38

## AVENUE 1



### CUT-OFF OPTIC - ADJUSTABLE INCLINATION



GW 87 003

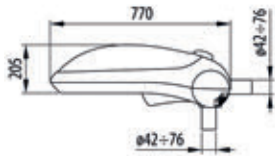
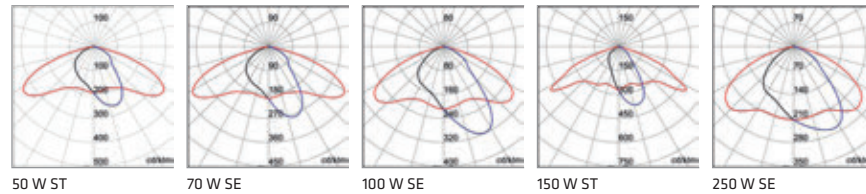
#### TECHNOPOLYMER STREET LIGHTING - WIRED VERSIONS WITH P.F. CORRECTION - FLAT GLASS - IP65 - CLASS II



Code	Lamp power	Lamp	Lamp holder	Lamp current	Colour	Weight (kg)	Pack Carton
<b>Voltage: 230 V - 50 Hz</b>							
GW 87 003	50 W	SE-ST	E27	0.8 A	Graphite/Pearl	9.9	1
GW 87 004	70 W	ME-MT/SE-ST	E27	1 A	Graphite/Pearl	10	1
GW 87 005	100 W	ME-MT/SE-ST	E40	1.2 A	Graphite/Pearl	10.1	1
GW 87 006	150 W	ME-MT/SE-ST	E40	1.8 A	Graphite/Pearl	10.8	1
GW 87 007	250 W	ME-MT/SE-ST	E40	3 A	Graphite/Pearl	11.6	1

GW87003 and GW87004: use lamps without a built-in ignitor.

#### Photometric distributions



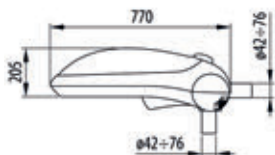
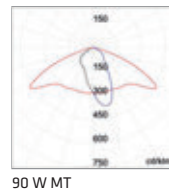
GW 87 010

#### TECHNOPOLYMER STREET LIGHTING - WIRED VERSIONS - FLAT GLASS - IP65 - CLASS II - ELECTRONIC BALLAST



Code	Lamp power	Lamp	Lamp holder	Lamp current	Colour	Weight (kg)	Pack Carton
<b>Voltage: 220/240 V - 50/60 Hz</b>							
GW 87 010	90 W	MT	PCZ-12	0.97 A	Graphite/Pearl	10	1

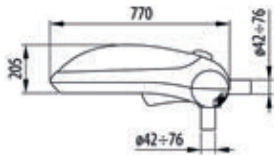
#### Photometric distributions



# Avenue 1



GW 87 041



## TECHNOPOLYMER STREET LIGHTING - UNWIRED VERSIONS - FLAT GLASS - IP65



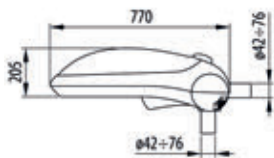
Code	Max lamp power	Lamp holder	Colour	Weight (kg)	Pack Carton
GW 87 041	125 W	E27	Graphite/Pearl	8.2	1
GW 87 042	250 W	E40	Graphite/Pearl	8.2	1

**ACCESSORIES SUPPLIED:** structural components: body, reflector and empty box accessory; electrical components: lamp holder, terminal block. The devices are supplied with standards service items.

## CUT-OFF OPTIC - ADJUSTABLE INCLINATION - BI-POWER



GW 87 024



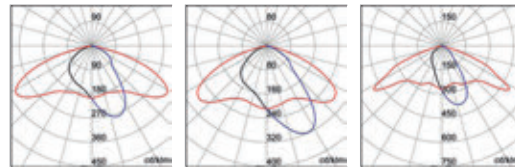
## TECHNOPOLYMER STREET LIGHTING - WIRED VERSIONS WITH P.F. CORRECTION - FLAT GLASS - IP65 - CLASS II



Code	Lamp power	Reduced power	Lamp	Lamp holder	Lamp current	Colour	Weight (kg)	Pack Carton
<b>Voltage: 230 V - 50 Hz</b>								
GW 87 022	70 W	50 W	SE-ST	E27	1 A	Graphite/Pearl	10.3	1
GW 87 023	100 W	70 W	SE-ST	E40	1.2 A	Graphite/Pearl	10.4	1
GW 87 024	150 W	100 W	SE-ST	E40	1.8 A	Graphite/Pearl	11.2	1

GW87022: use lamps without a built-in ignitor.

### Photometric distributions



70 W SE

100 W SE

150 W ST

COMPLEMENTARY ITEMS



GW 87 204

**SPARE BOX ACCESSORY**

Code	Lamp power	Lamp	Lamp holder	Weight (kg)	Pack Carton
<b>Voltage: 230 V - 50 Hz</b>					
GW 87 203	50 W	SE-ST	E27	2.5	1
GW 87 204	70 W	ME-MT/SE-ST	E27	2.6	1
GW 87 205	100 W	ME-MT/SE-ST	E40	2.7	1
GW 87 206	150 W	ME-MT/SE-ST	E40	3.4	1



GW 87 213

**SPARE BOX ACCESSORY - BI-POWER**

Code	Lamp power	Reduced power	Lamp	Lamp holder	Weight (kg)	Pack Carton
<b>Voltage: 230 V - 50 Hz</b>						
GW 87 213	70 W	50 W	SE-ST	E27	2.9	1
GW 87 214	100 W	70 W	SE-ST	E40	3	1
GW 87 215	150 W	100 W	SE-ST	E40	3.7	1



GW 87 211

**SPARE PARTS**

Code	Description	Weight (kg)	Pack Carton
GW 87 209	Flat tempered glass	0.9	1/5
GW 87 211	Visor	0.3	1/5

# Avenue 1



## SIMPLIFIED MAINTENANCE



The devices have a single ¼-turn lever handle. The case containing the electrical components can be completely replaced, reducing installation times

## WIDE ADJUSTMENT RANGE



After being installed, the device can be adjusted with angles  $\pm 15^\circ$  in relation to the road surface

## THE QUALITY OF TECHNOPOLYMER



When applied to the lighting industry, GEWISS' extensive know-how with regards to plastic materials guarantees an excellent degree of reliability of the products, certified with a 5-year warranty

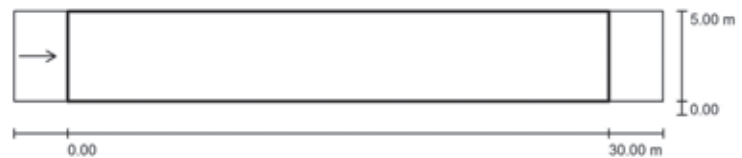
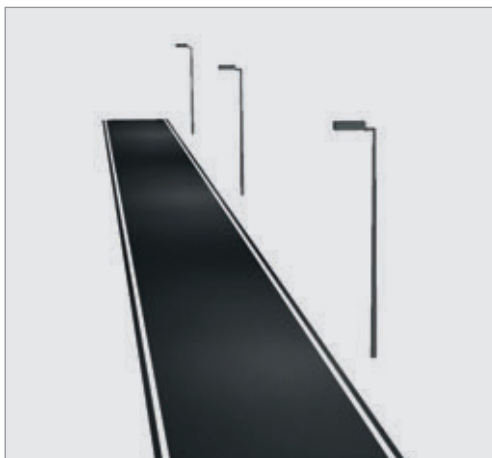
## Technical characteristics

<b>INSTALLATION</b>	External
<b>COLOUR</b>	Graphite grey and Pearl grey
<b>MATERIALS</b>	
<b>Body</b>	Technopolymer PA6.6+GF
<b>Pole coupling</b>	Die-cast aluminium EN AB 46100
<b>Reflector</b>	Polished aluminium 99.85%
<b>Shield</b>	Flat glass 4 mm or PC bowl

<b>DEGREE OF PROTECTION</b>	IP65
<b>IMPACT RESISTANCE</b>	IK08
<b>INSULATION CLASS</b>	II
<b>MARKS</b>	CE

## Technical solutions

### Project: M5 road



	Lm [cd/m <sup>2</sup> ]	U0	UI	TI [%]	SR
<b>Calculated values</b>	0.78	0.40	0.43	10	0.53
<b>Required values according to class</b>	$\geq 0.50$	$\geq 0.35$	$\geq 0.40$	$\leq 15$	$\geq 0.30$
<b>Fulfilled/Not fulfilled</b>	✓	✓	✓	✓	✓

Device configuration	Reference standard	Lighting class	Number of carriageways	Number of lanes	Road width	Pole height	Interdistance
<b>GEWISS GW87004 AVENUE 1 - 70 W ST</b>	EN 13201-2	M5	1	1	5 metres	6 metres	30 metres

# Avenue 2 and 3

## Street lighting system

Street lighting device made entirely of die-cast aluminium, with ¼ turn lever opening and a removable electric component case. Cut-off optic with flat glass, or semi cut-off with bowl. The tilt of the main body can be adjusted for angles of  $\pm 20^\circ$ .



STREET LIGHTING

Technical characteristics page 44

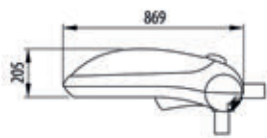
## AVENUE 2



### CUT-OFF OPTIC - ADJUSTABLE INCLINATION



GW 87 107

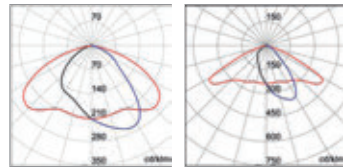


#### DIE-CAST ALUMINIUM STREET LIGHTING - WIRED VERSIONS WITH P.F. CORRECTION - FLAT GLASS - IP66 - CLASS II



Code	Lamp power	Lamp	Lamp holder	Lamp current	Colour	Weight (kg)	Pack Carton
<b>Voltage: 230 V - 50 Hz</b>							
GW 87 107	250 W	ME-MT/SE-ST	E40	3 A	Graphite/Aluminium	16.5	1
GW 87 109	400 W	MT/ST	E40	4.2 A	Graphite/Aluminium	18.1	1

#### Photometric distributions

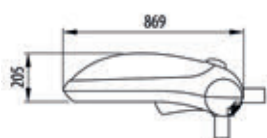


250 W SE

400 W ST



GW 87 142



#### DIE-CAST ALUMINIUM STREET LIGHTING - UNWIRED VERSION - FLAT GLASS - IP66



Code	Max lamp power	Lamp holder	Colour	Weight (kg)	Pack Carton
GW 87 142	400 W	E40	Graphite/Aluminium	13.8	1

**ACCESSORIES SUPPLIED:** structural components: body, reflector and empty box accessory; electrical components: lamp holder, terminal block. The devices are supplied with standards service items.

## COMPLEMENTARY ITEMS



GW 87 227

### SPARE BOX ACCESSORY

Code	Lamp power	Lamp	Lamp holder	Weight (kg)	Pack Carton
<b>Voltage: 230 V - 50 Hz</b>					
GW 87 227	250 W	ME-MT/SE-ST	E40	4.3	1
GW 87 229	400 W	MT/ST	E40	4.6	1

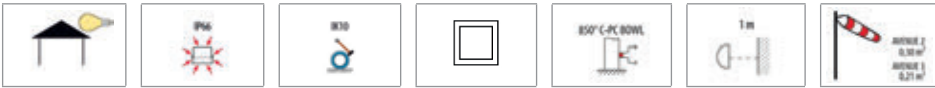


### SPARE PARTS

Code	Description	Weight (kg)	Pack Carton
GW 87 230	Flat tempered glass	1	1
GW 87 232	Visor	0.4	1/5



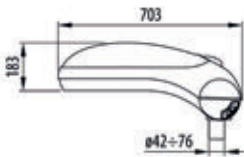
**AVENUE 3**



**CUT-OFF OPTIC - ADJUSTABLE INCLINATION**



GW 87 303

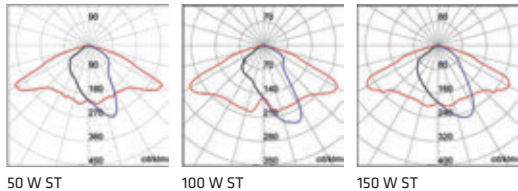


**DIE-CAST ALUMINIUM STREET LIGHTING - WIRED VERSIONS WITH P.F. CORRECTION - FLAT GLASS - IP66 - CLASS II**



Code	Lamp power	Lamp	Lamp holder	Lamp current	Colour	Weight (kg)	Pack Carton
<b>Voltage: 230 V - 50 Hz</b>							
GW 87 303	50 W	ST	E27	0.8 A	Graphite/Aluminium	11	1
GW 87 304	70 W	MT/ST	E27	1 A	Graphite/Aluminium	11.5	1
GW 87 305	100 W	MT/ST	E40	1.2 A	Graphite/Aluminium	13	1
GW 87 306	150 W	MT/ST	E40	1.8 A	Graphite/Aluminium	13.5	1

**Photometric distributions**



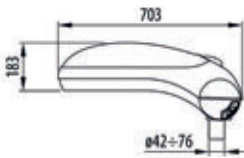
50 W ST

100 W ST

150 W ST



GW 87 310

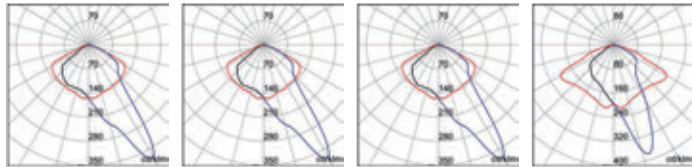


**STREET LIGHTING IN DIE-CAST ALUMINIUM - WIRED VERSIONS - FLAT GLASS - IP66 CLASS II - ELECTRONIC BALLAST**



Code	Lamp power	Lamp	Lamp holder	Lamp current	Colour	Weight (kg)	Pack Carton
<b>Voltage: 220/240 V - 50/60 Hz</b>							
GW 87 308	45 W	MT	PGZ-12	0.5 A	Graphite/Aluminium	10.9	1
GW 87 309	60 W	MT	PGZ-12	0.65 A	Graphite/Aluminium	10.9	1
GW 87 310	90 W	MT	PGZ-12	0.97 A	Graphite/Aluminium	11	1
GW 87 311	140 W	MT	PGZ-12	1.49 A	Graphite/Aluminium	11	1

**Photometric distributions**



45 W MT

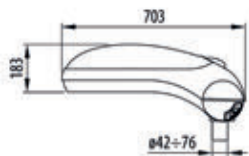
60 W MT

90 W MT

140 W MT



GW 87 307

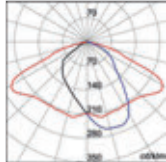


## DIE-CAST ALUMINIUM STREET LIGHTING - WIRED VERSION WITH P.F. CORRECTION - FLAT GLASS - IP66 - CLASS I



Code	Lamp power	Lamp	Lamp holder	Lamp current	Colour	Weight (kg)	Pack Carton
<b>Voltage: 230 V - 50 Hz</b>							
GW 87 307	250 W	MT/ST	E40	3 A	Graphite/Aluminium	14.7	1

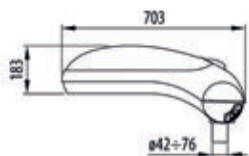
### Photometric distributions



250 W ST



GW 87 341



## DIE-CAST ALUMINIUM STREET LIGHTING - UNWIRED VERSIONS - FLAT GLASS - IP66



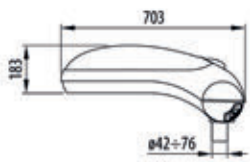
Code	Max lamp power	Lamp holder	Colour	Weight (kg)	Pack Carton
GW 87 341	70 W	E27	Graphite/Aluminium	9.3	1
GW 87 342	150 W	E40	Graphite/Aluminium	9.3	1
GW 87 343	140 W	PGZ-12	Graphite/Aluminium	9.3	1

**ACCESSORIES SUPPLIED:** structural components: body, reflector and empty box accessory; electrical components: lamp holder, terminal block. The devices are supplied with standards service items.

**CUT-OFF OPTIC - ADJUSTABLE INCLINATION - BI-POWER**



GW 87 322

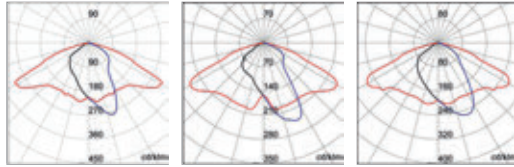


**DIE-CAST ALUMINIUM STREET LIGHTING - WIRED VERSIONS WITH P.F. CORRECTION - FLAT GLASS - IP66 - CLASS II**



Code	Lamp power	Reduced power	Lamp	Lamp holder	Lamp current	Colour	Weight (kg)	Pack Carton
<b>Voltage: 230 V - 50 Hz</b>								
GW 87 322	70 W	50 W	ST	E27	1 A	Graphite/Aluminium	11.5	1
GW 87 323	100 W	70 W	ST	E40	1.2 A	Graphite/Aluminium	13	1
GW 87 324	150 W	100 W	ST	E40	1.8 A	Graphite/Aluminium	13.5	1

**Photometric distributions**



50 W ST

100 W ST

150 W ST

**COMPLEMENTARY ITEMS**



GW 87 243

**SPARE BOX ACCESSORY**

Code	Lamp power	Lamp	Lamp holder	Weight (kg)	Pack Carton
<b>Voltage: 230 V - 50 Hz</b>					
GW 87 243	50 W	ST	E27	2.1	1
GW 87 244	70 W	MT/ST	E27	2.2	1
GW 87 245	100 W	MT/ST	E40	2.3	1
GW 87 246	150 W	MT/ST	E40	3	1



GW 87 253

**SPARE BOX ACCESSORY - BI-POWER**

Code	Lamp power	Reduced power	Lamp	Lamp holder	Weight (kg)	Pack Carton
<b>Voltage: 230 V - 50 Hz</b>						
GW 87 253	70 W	50 W	ST	E27	3	1
GW 87 254	100 W	70 W	ST	E40	3.1	1
GW 87 255	150 W	100 W	ST	E40	3.8	1



GW 87 251

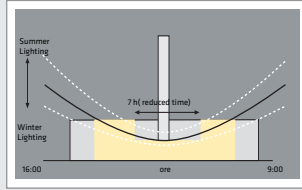
**SPARE PARTS**

Code	Description	Weight (kg)	Pack Carton
GW 87 249	Flat tempered glass	0.8	1/5
GW 87 251	Visor	0.3	1/5

# Avenue 2-3



## BI-POWER DEVICES



The Avenue range also includes versions for reduced energy consumption during the night. A specific electronic component inserted in the lighting device allows it to switch from rated to reduced power without any need for additional command phases.

## ENERGY SAVINGS



The Avenue range guarantees high levels of energy savings through the use of the latest generation of discharge lamps such as Cosmopolis and combining Bi-power devices.

## SIMPLIFIED MAINTENANCE



The devices have a single 1/4-turn lever handle. The case containing the electrical components can be completely replaced, reducing installation times.

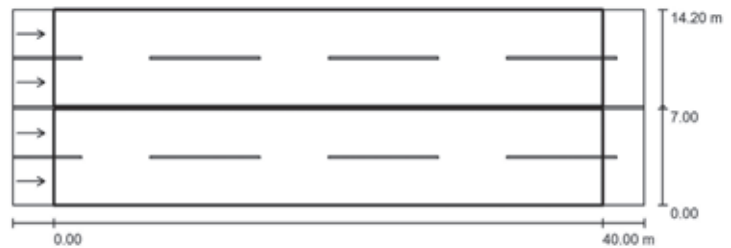
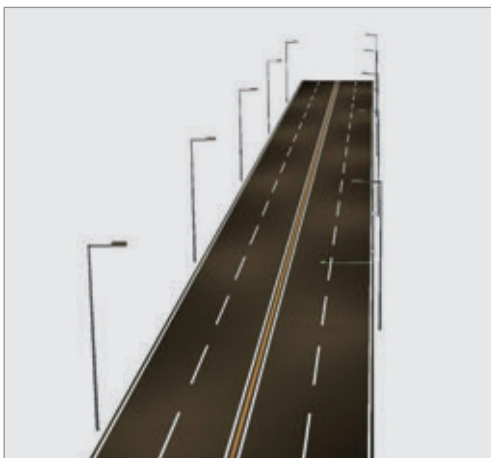
## Technical characteristics

<b>INSTALLATION</b>	External
<b>COLOUR</b>	Graphite grey and Pearl grey
<b>MATERIALS</b>	
<b>Body</b>	Die-cast aluminium EN AB 46100
<b>Pole coupling</b>	Die-cast aluminium EN AB 46100
<b>Reflector</b>	Polished aluminium 99.85%
<b>Shield</b>	Flat glass 4 mm or PC bowl

<b>DEGREE OF PROTECTION</b>	IP66
<b>IMPACT RESISTANCE</b>	IK10
<b>INSULATION CLASS</b>	II
<b>MARKS</b>	CE

## Technical solutions

### Project: M3 road



	Lm [cd/m <sup>2</sup> ]	U0	UI	TI [%]	SR
<b>Calculated values</b>	1.37	0.51	0.62	4	0.82
<b>Required values according to class</b>	≥ 1.00	≥ 0.40	≥ 0.60	≤ 15	≥ 0.30
<b>Fulfilled/Not fulfilled</b>	✓	✓	✓	✓	✓

Device configuration	Reference standard	Lighting class	Number of carriageways	Number of lanes	Road width	Pole height	Interdistance
<b>GEWISS GW87306 AVENUE 3 - 150W ST</b>	EN 13201-2	M3	2	4	14 metres	10 metres	40 metres

**INSTALLATION ACCESSORIES COMMON TO ALL THE STREET LIGHTING RANGE**

**COMPLEMENTARY ITEMS COMMON TO ALL GEWISS STREET LIGHTING**



GW 86 243

**POLE CONNECTORS**

Code	Description	Type	Weight (kg)	Pack Carton
GW 86 242	Pole head coupling 76mm-60mm	Single	3	1
GW 86 243	Pole head coupling 76mm-60mm	Double	4.5	1
GW 86 244	Pole head coupling 76mm-60mm	Triple	6	1

**CHARACTERISTICS:** hot galvanised steel.



GW 86 166

**FIXING BRACKET**

Code	Description	Outer dim. LxHxD (mm)	Weight (kg)	Pack Carton
GW 86 166	Wall-mounting bracket	150x160x290	1.6	1

**APPLICATIONS:** Allows the installation of the device on the wall and on 90° edges.

**CHARACTERISTICS:** hot galvanised steel, painted grey RAL 7035.

# Floodlights

## Smart [Pro]

MEDIUM AND HIGH POWER  
INNOVATIVE LED FLOODLIGHTS



*pag. 59*

## Smart [4] 2.0 FL

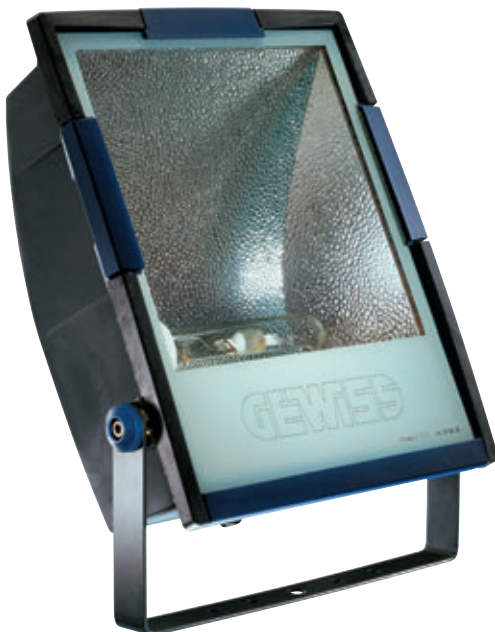
LOW AND MEDIUM POWER  
INNOVATIVE LED FLOODLIGHTS



*pag. 48*

## Horus

TECHNOPOLYMER FLOODLIGHTS



*pag. 67*

## Genius

MULTIFUNCTION FLOODLIGHTS FOR FIXED OR  
PORTABLE APPLICATIONS



*pag. 81*

## Mercurio

LOW AND MEDIUM POWER ALUMINIUM  
FLOODLIGHTS



*pag. 84*

## Titano

MEDIUM AND HIGH POWER ALUMINIUM  
FLOODLIGHTS



*pag. 99*

FLOODLIGHTS

## Colosseo

HIGH POWER ALUMINIUM FLOODLIGHTS



*pag. 108*

## Stadium

HIGH POWER ALUMINIUM FLOODLIGHTS



*pag. 117*

# Smart [4] 2.0 FL

Low and medium power innovative LED floodlights



Thanks to the new latest generation LEDs, which are always combined with the most efficient optic solutions, the Smart[4] 2.0 range guarantees excellent lighting performance, greater visual comfort and excellent light quality.

The line is completed with the new BlueGreen versions that blend perfectly into the context of gardens and parks.

Technical characteristics page 58

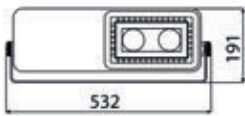
## SMART[4] 2.0 FL -2L - EQUIVALENT TO 35W MT



### STANDARD VERSIONS



GW S4 103 GS



### WIRED VERSIONS - IP66 - CLASS I



CONSTANT  
CURRENT  
DRIVER



Code	Optic	Colour temperature	System power	Nominal flux (lm)	Lumen output (lm)	Colour	Weight (kg)	Pack Carton
<b>Voltage: 220/240 V - 50/60 Hz - Stand alone</b>								
GW S4 101 GS	Spotlight 10°	4000 K (CRI 80)	25 W	2960	2130	Grey RAL 7037	3	1
GW S4 102 GS	Restricted 30°	4000 K (CRI 80)	25 W	2960	2060	Grey RAL 7037	3	1
GW S4 103 GS	Medium 60°	4000 K (CRI 80)	25 W	2960	2730	Grey RAL 7037	3	1
GW S4 104 GS	Diffused 100°	4000 K (CRI 80)	25 W	2960	2600	Grey RAL 7037	3	1
GW S4 105 GS	Elliptical	4000 K (CRI 80)	25 W	2960	2640	Grey RAL 7037	3	1
GW S4 106 GS	Asymmetrical	4000 K (CRI 80)	25 W	2960	2540	Grey RAL 7037	3	1
GW S4 101 BS	Spotlight 10°	3000 K (CRI 80)	25 W	2750	1980	Midnight blue	3	1
GW S4 103 BS	Medium 60°	3000 K (CRI 80)	25 W	2750	2540	Midnight blue	3	1
GW S4 104 BS	Diffused 100°	3000 K (CRI 80)	25 W	2750	2420	Midnight blue	3	1
GW S4 105 BS	Elliptical	3000 K (CRI 80)	25 W	2750	2450	Midnight blue	3	1
<b>Voltage: 220/240 V - 50/60 Hz - DALI</b>								
GW S4 101 GD	Spotlight 10°	4000 K (CRI 80)	26 W	2960	2130	Grey RAL 7037	3	1
GW S4 102 GD	Restricted 30°	4000 K (CRI 80)	26 W	2960	2060	Grey RAL 7037	3	1
GW S4 103 GD	Medium 60°	4000 K (CRI 80)	26 W	2960	2730	Grey RAL 7037	3	1
GW S4 104 GD	Diffused 100°	4000 K (CRI 80)	26 W	2960	2600	Grey RAL 7037	3	1
GW S4 105 GD	Elliptical	4000 K (CRI 80)	26 W	2960	2640	Grey RAL 7037	3	1
GW S4 106 GD	Asymmetrical	4000 K (CRI 80)	26 W	2960	2540	Grey RAL 7037	3	1
GW S4 101 BD	Spotlight 10°	3000 K (CRI 80)	26 W	2750	1980	Midnight blue	3	1
GW S4 103 BD	Medium 60°	3000 K (CRI 80)	26 W	2750	2540	Midnight blue	3	1
GW S4 104 BD	Diffused 100°	3000 K (CRI 80)	26 W	2750	2420	Midnight blue	3	1
GW S4 105 BD	Elliptical	3000 K (CRI 80)	26 W	2750	2450	Midnight blue	3	1

ACCESSORIES SUPPLIED: Fixing bracket and watertight push-in connector.

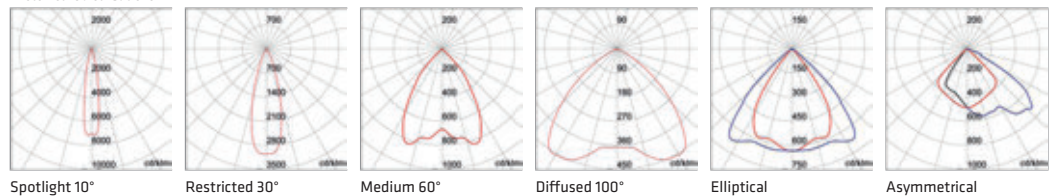
NOTE: due to the continuous changes with the LED technologies, the technical data can undertake variations.

Nominal flux referred to Tj=85°C.

Versions with 3000K (-30K) or 5700K (-57K) LED available on demand.

Maximum working temperature: +50°C.

#### Photometric distributions





COMPLEMENTARY ITEM



GW L1 906

**SPARE PART**

Code	Description	Dimensions (mm)	Pack Carton
GW L1 906	Transparent glass 2L	176 x 82	1

# Smart [4] 2.0 FL

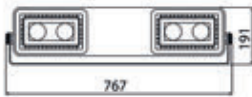
## SMART[4] 2.0 FL -2+2L - EQUIVALENT TO 70W MT



### STANDARD VERSIONS



GW S4 112 GS



### WIRED VERSIONS - IP66 - CLASS I



Code	Optic	Colour temperature	System power	Nominal flux (lm)	Lumen output (lm)	Colour	Weight (kg)	Pack Carton
<b>Voltage: 220/240 V - 50/60 Hz - Stand alone</b>								
GW S4 111 GS	Spotlight 10°	4000 K (CRI 80)	50 W	5910	4250	Grey RAL 7037	5.1	1
GW S4 112 GS	Restricted 30°	4000 K (CRI 80)	50 W	5910	4120	Grey RAL 7037	5.1	1
GW S4 113 GS	Medium 60°	4000 K (CRI 80)	50 W	5910	5460	Grey RAL 7037	5.1	1
GW S4 114 GS	Diffused 100°	4000 K (CRI 80)	50 W	5910	5210	Grey RAL 7037	5.1	1
GW S4 115 GS	Elliptical	4000 K (CRI 80)	50 W	5910	5280	Grey RAL 7037	5.1	1
GW S4 116 GS	Asymmetrical	4000 K (CRI 80)	50 W	5910	5080	Grey RAL 7037	5.1	1
GW S4 111 BS	Spotlight 10°	3000 K (CRI 80)	50 W	5500	3950	Midnight blue	5.1	1
GW S4 113 BS	Medium 60°	3000 K (CRI 80)	50 W	5500	5070	Midnight blue	5.1	1
GW S4 114 BS	Diffused 100°	3000 K (CRI 80)	50 W	5500	4840	Midnight blue	5.1	1
GW S4 115 BS	Elliptical	3000 K (CRI 80)	50 W	5500	4910	Midnight blue	5.1	1
<b>Voltage: 220/240 V - 50/60 Hz - DALI</b>								
GW S4 111 GD	Spotlight 10°	4000 K (CRI 80)	51 W	5910	4250	Grey RAL 7037	5.1	1
GW S4 112 GD	Restricted 30°	4000 K (CRI 80)	51 W	5910	4120	Grey RAL 7037	5.1	1
GW S4 113 GD	Medium 60°	4000 K (CRI 80)	51 W	5910	5460	Grey RAL 7037	5.1	1
GW S4 114 GD	Diffused 100°	4000 K (CRI 80)	51 W	5910	5210	Grey RAL 7037	5.1	1
GW S4 115 GD	Elliptical	4000 K (CRI 80)	51 W	5910	5280	Grey RAL 7037	5.1	1
GW S4 116 GD	Asymmetrical	4000 K (CRI 80)	51 W	5910	5080	Grey RAL 7037	5.1	1
GW S4 111 BD	Spotlight 10°	3000 K (CRI 80)	51 W	5500	3950	Midnight blue	5.1	1
GW S4 113 BD	Medium 60°	3000 K (CRI 80)	51 W	5500	5070	Midnight blue	5.1	1
GW S4 114 BD	Diffused 100°	3000 K (CRI 80)	51 W	5500	4840	Midnight blue	5.1	1
GW S4 115 BD	Elliptical	3000 K (CRI 80)	51 W	5500	4910	Midnight blue	5.1	1

**ACCESSORIES SUPPLIED:** Fixing bracket and watertight push-in connector.

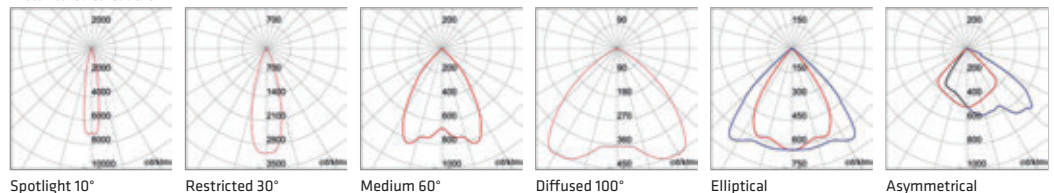
**NOTE:** due to the continuous changes with the LED technologies, the technical data can undertake variations.

Nominal flux referred to Tj=85°C.

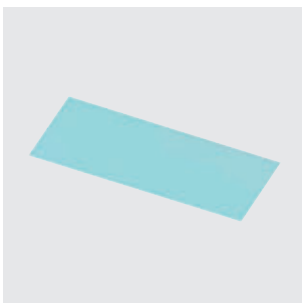
Versions with 3000K (-30K) or 5700K (-57K) LED available on demand.

Maximum working temperature: +50°C.

### Photometric distributions



### COMPLEMENTARY ITEM

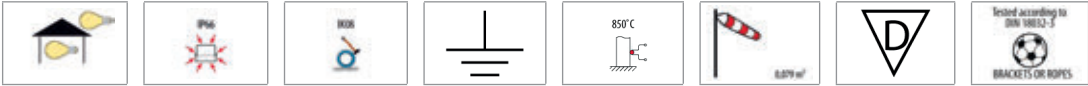


GW L1 906

### SPARE PART

Code	Description	Dimensions (mm)	Pack Carton
GW L1 906	Transparent glass 2L	176 x 82	1

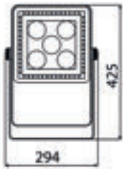
**SMART[4] 2.0 FL - 5L - EQUIVALENT TO 100W MT**



**STANDARD VERSIONS**



GW S4 133 GS



**WIRED VERSIONS - IP66 - CLASS I**



CONSTANT CURRENT DRIVER



Code	Optic	Colour temperature	System power	Nominal flux (lm)	Lumen output (lm)	Colour	Weight (kg)	Pack Carton
<b>Voltage: 220/240 V - 50/60 Hz - Stand alone</b>								
GW S4 131 GS	Spotlight 10°	4000 K (CRI 80)	60 W	7120	5320	Grey RAL 7037	4.9	1
GW S4 132 GS	Restricted 30°	4000 K (CRI 80)	60 W	7120	5150	Grey RAL 7037	4.9	1
GW S4 133 GS	Medium 60°	4000 K (CRI 80)	60 W	7120	6820	Grey RAL 7037	4.9	1
GW S4 134 GS	Diffused 100°	4000 K (CRI 80)	60 W	7120	6510	Grey RAL 7037	4.9	1
GW S4 135 GS	Elliptical	4000 K (CRI 80)	60 W	7120	6600	Grey RAL 7037	4.9	1
GW S4 136 GS	Asymmetrical	4000 K (CRI 80)	60 W	7120	6350	Grey RAL 7037	4.9	1
GW S4 131 BS	Spotlight 10°	3000 K (CRI 80)	60 W	6610	4940	Midnight blue	4.9	1
GW S4 133 BS	Medium 60°	3000 K (CRI 80)	60 W	6610	6340	Midnight blue	4.9	1
GW S4 134 BS	Diffused 100°	3000 K (CRI 80)	60 W	6610	6050	Midnight blue	4.9	1
GW S4 135 BS	Elliptical	3000 K (CRI 80)	60 W	6610	6130	Midnight blue	4.9	1
<b>Voltage: 220/240 V - 50/60 Hz - DALI</b>								
GW S4 131 GD	Spotlight 10°	4000 K (CRI 80)	61 W	7120	5320	Grey RAL 7037	4.9	1
GW S4 132 GD	Restricted 30°	4000 K (CRI 80)	61 W	7120	5150	Grey RAL 7037	4.9	1
GW S4 133 GD	Medium 60°	4000 K (CRI 80)	61 W	7120	6820	Grey RAL 7037	4.9	1
GW S4 134 GD	Diffused 100°	4000 K (CRI 80)	61 W	7120	6510	Grey RAL 7037	4.9	1
GW S4 135 GD	Elliptical	4000 K (CRI 80)	61 W	7120	6600	Grey RAL 7037	4.9	1
GW S4 136 GD	Asymmetrical	4000 K (CRI 80)	61 W	7120	6350	Grey RAL 7037	4.9	1
GW S4 131 BD	Spotlight 10°	3000 K (CRI 80)	61 W	6610	4940	Midnight blue	4.9	1
GW S4 133 BD	Medium 60°	3000 K (CRI 80)	61 W	6610	6340	Midnight blue	4.9	1
GW S4 134 BD	Diffused 100°	3000 K (CRI 80)	61 W	6610	6050	Midnight blue	4.9	1
GW S4 135 BD	Elliptical	3000 K (CRI 80)	61 W	6610	6130	Midnight blue	4.9	1

**ACCESSORIES SUPPLIED:** Fixing bracket and watertight push-in connector.

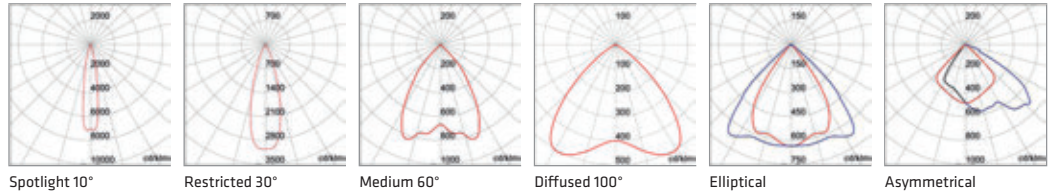
**NOTE:** due to the continuous changes with the LED technologies, the technical data can undertake variations.

Nominal flux referred to Tj=85°C.

Versions with 3000K (-30K) or 5700K (-57K) LED available on demand.

Maximum working temperature: +50°C.

**Photometric distributions**

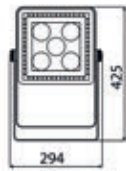


# Smart [4] 2.0 FL

## RGBW VERSIONS



GW S4 133 GC



### WIRED VERSION - IP66 - CLASS I



CONSTANT  
CURRENT  
DRIVER

DMX



Code	Optic	System power	Colour	Weight (kg)	Pack Carton
<b>Voltage: 220/240V - 50/60 Hz - DMX</b>					
GW S4 133 GC	Medium 60°	82 W	Grey RAL 7037	5.1	1

**ACCESSORIES SUPPLIED:** Fixing bracket and watertight push-in connector. 6 DMX channels: Red; Green; Blue; White; Strobe and Rainbow.  
**NOTE:** due to the continuous changes with the LED technologies, the technical data can undertake variations.

### DONGLE FOR ASSIGNMENT OF DMX ADDRESSES



GW L1 908

Code	Power supply batteries	Display	Weight (kg)	Pack Carton
GW L1 908	Two AAA 1.5 V batteries	LED	0.3	1

**NOTE:** to be used for addressing and supervising the RGBW equipment.

### RGB CONTROL MODULE



GW 85 691

Code	No. of manageable devices/units	No. Chorus modules	DMX Channels	Display	Weight (kg)	Pack Carton
<b>Voltage: 12 V - 50/60 Hz</b>						
GW 85 691	10	3	64	0-Led	0.5	1

**NOTE:** to be installed on a Chorus 3 gang frame GW16803. Using the repeater/splitter GW85692, it is possible to increase the number of devices that can be managed.  
For the KNX-DMX interface, refer to the Domotics catalogue.

### COMPLEMENTARY ITEMS FOR THE DMX SYSTEM



GW 85 692

Code	Description	Voltage	Number of outputs	Pack Carton
GW 85 692	DMX repeater / splitter	100/240 V - 50/60 Hz	4	1

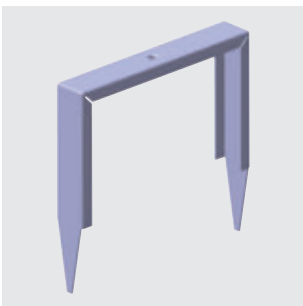
**COMPLEMENTARY ITEM**



GW L1 907

**SPARE PART**

Code	Description	Dimensions (mm)	Pack Carton
GW L1 907	Transparent glass 4L-5L	176 x 176	1



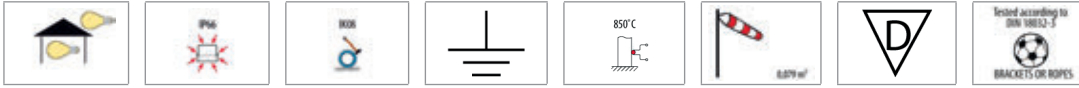
GW L1 933

**FIXING ACCESSORIE**

Code	Description	Pack Carton
GW L1 933	Fixing spike Smart[4] single	1

# Smart [4] 2.0 FL

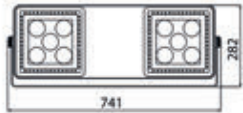
## SMART[4] 2.0 FL - 5+5L - EQUIVALENT TO 250W MT



### STANDARD VERSIONS



GW S4 153 GS



### WIRED VERSIONS - IP66 - CLASS I



CONSTANT  
CURRENT  
DRIVER



Code	Optic	Colour temperature	System power	Nominal flux (lm)	Lumen output (lm)	Colour	Weight (kg)	Pack Carton
<b>Voltage: 220/240 V - 50/60 Hz - Stand alone</b>								
GW S4 151 GS	Spotlight 10°	4000 K (CRI 80)	118 W	14280	10630	Grey RAL 7037	8.5	1
GW S4 152 GS	Restricted 30°	4000 K (CRI 80)	118 W	14280	10300	Grey RAL 7037	8.5	1
GW S4 153 GS	Medium 60°	4000 K (CRI 80)	118 W	14280	13650	Grey RAL 7037	8.5	1
GW S4 154 GS	Diffused 100°	4000 K (CRI 80)	118 W	14280	13020	Grey RAL 7037	8.5	1
GW S4 155 GS	Elliptical	4000 K (CRI 80)	118 W	14280	13200	Grey RAL 7037	8.5	1
GW S4 156 GS	Asymmetrical	4000 K (CRI 80)	118 W	14280	12690	Grey RAL 7037	8.5	1
GW S4 151 BS	Spotlight 10°	3000 K (CRI 80)	118 W	13270	9880	Midnight blue	8.5	1
GW S4 153 BS	Medium 60°	3000 K (CRI 80)	118 W	13270	12680	Midnight blue	8.5	1
GW S4 154 BS	Diffused 100°	3000 K (CRI 80)	118 W	13270	12100	Midnight blue	8.5	1
GW S4 155 BS	Elliptical	3000 K (CRI 80)	118 W	13270	12270	Midnight blue	8.5	1
<b>Voltage: 220/240 V - 50/60 Hz - DALI</b>								
GW S4 151 GD	Spotlight 10°	4000 K (CRI 80)	121 W	14280	10630	Grey RAL 7037	8.5	1
GW S4 152 GD	Restricted 30°	4000 K (CRI 80)	121 W	14280	10300	Grey RAL 7037	8.5	1
GW S4 153 GD	Medium 60°	4000 K (CRI 80)	121 W	14280	13650	Grey RAL 7037	8.5	1
GW S4 154 GD	Diffused 100°	4000 K (CRI 80)	121 W	14280	13020	Grey RAL 7037	8.5	1
GW S4 155 GD	Elliptical	4000 K (CRI 80)	121 W	14280	13200	Grey RAL 7037	8.5	1
GW S4 156 GD	Asymmetrical	4000 K (CRI 80)	121 W	14280	12690	Grey RAL 7037	8.5	1
GW S4 151 BD	Spotlight 10°	3000 K (CRI 80)	121 W	13270	9880	Midnight blue	8.5	1
GW S4 153 BD	Medium 60°	3000 K (CRI 80)	121 W	13270	12680	Midnight blue	8.5	1
GW S4 154 BD	Diffused 100°	3000 K (CRI 80)	121 W	13270	12100	Midnight blue	8.5	1
GW S4 155 BD	Elliptical	3000 K (CRI 80)	121 W	13270	12270	Midnight blue	8.5	1

**ACCESSORIES SUPPLIED:** Fixing bracket and watertight push-in connector.

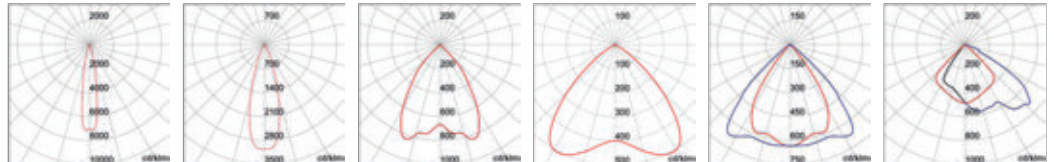
**NOTE:** due to the continuous changes with the LED technologies, the technical data can undertake variations.

Nominal flux referred to Tj=85°C.

Versions with 3000K (-30K) or 5700K (-57K) LED available on demand.

Maximum working temperature: +50°C.

### Photometric distributions



Spotlight 10°

Restricted 30°

Medium 60°

Diffused 100°

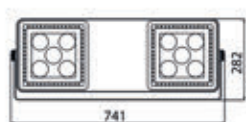
Elliptical

Asymmetrical

**RGBW VERSIONS**



GW S4 153 GC



**WIRED VERSION - IP66 - CLASS I**



Code	Optic	System power	Colour	Weight (kg)	Pack Carton
<b>Voltage: 220/240V - 50/60 Hz - DMX</b>					
GW S4 153 GC	Medium 60°	165 W	Grey RAL 7037	9	1

**ACCESSORIES SUPPLIED:** Fixing bracket and watertight push-in connector. 6 DMX channels: Red; Green; Blue; White; Strobe and Rainbow.  
**NOTE:** due to the continuous changes with the LED technologies, the technical data can undertake variations.

**DONGLE FOR ASSIGNMENT OF DMX ADDRESSES**



GW L1 908

Code	Power supply batteries	Display	Weight (kg)	Pack Carton
GW L1 908	Two AAA 1.5 V batteries	LED	0.3	1

**NOTE:** to be used for addressing and supervising the RGBW equipment.

**RGB CONTROL MODULE**



GW 85 691

Code	No. of manageable devices/units	No. Chorus modules	DMX Channels	Display	Weight (kg)	Pack Carton
<b>Voltage: 12 V - 50/60 Hz</b>						
GW 85 691	10	3	64	0-Led	0.5	1

**NOTE:** to be installed on a Chorus 3 gang frame GW16803. Using the repeater/splitter GW85692, it is possible to increase the number of devices that can be managed.  
 For the KNX-DMX interface, refer to the Domotics catalogue.

**COMPLEMENTARY ITEMS FOR THE DMX SYSTEM**



GW 85 692

Code	Description	Voltage	Number of outputs	Pack Carton
GW 85 692	DMX repeater / splitter	100/240 V - 50/60 Hz	4	1

# Smart [4] 2.0 FL

## COMPLEMENTARY ITEMS



GW L1 907

### SPARE PART

Code	Description	Dimensions (mm)	Pack Carton
GW L1 907	Transparent glass 4L-5L	176 x 176	1



GW L1 934

### FIXING ACCESSORIE

Code	Description	Pack Carton
GW L1 934	Fixing spike Smart[4] double	1



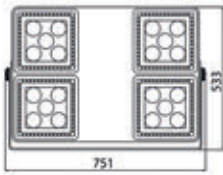
**SMART[4] 2.0 FL - 4X5L - EQUIVALENT TO 400W MT**



**STANDARD VERSIONS**



GW S4 173 GS



**WIRED VERSIONS - IP66 - CLASS I**



Code	Optic	Colour temperature	System power	Nominal flux (lm)	Lumen output (lm)	Colour	Weight (kg)	Pack Carton
<b>Voltage: 220/240 V - 50/60 Hz - Stand alone</b>								
GW S4 171 GS	Spotlight 10°	4000 K (CRI 80)	236 W	28480	21270	Grey RAL 7037	15.9	1
GW S4 172 GS	Restricted 30°	4000 K (CRI 80)	236 W	28480	20600	Grey RAL 7037	15.9	1
GW S4 173 GS	Medium 60°	4000 K (CRI 80)	236 W	28480	27290	Grey RAL 7037	15.9	1
GW S4 174 GS	Diffused 100°	4000 K (CRI 80)	236 W	28480	26040	Grey RAL 7037	15.9	1
GW S4 175 GS	Elliptical	4000 K (CRI 80)	236 W	28480	26400	Grey RAL 7037	15.9	1
GW S4 176 GS	Asymmetrical	4000 K (CRI 80)	236 W	28480	25380	Grey RAL 7037	15.9	1
<b>Voltage: 220/240 V - 50/60 Hz - DALI</b>								
GW S4 171 GD	Spotlight 10°	4000 K (CRI 80)	245 W	28480	21270	Grey RAL 7037	15.9	1
GW S4 172 GD	Restricted 30°	4000 K (CRI 80)	245 W	28480	20600	Grey RAL 7037	15.9	1
GW S4 173 GD	Medium 60°	4000 K (CRI 80)	245 W	28480	27290	Grey RAL 7037	15.9	1
GW S4 174 GD	Diffused 100°	4000 K (CRI 80)	245 W	28480	26040	Grey RAL 7037	15.9	1
GW S4 175 GD	Elliptical	4000 K (CRI 80)	245 W	28480	26400	Grey RAL 7037	15.9	1
GW S4 176 GD	Asymmetrical	4000 K (CRI 80)	245 W	28480	25380	Grey RAL 7037	15.9	1

**ACCESSORIES SUPPLIED:** Fixing bracket and watertight push-in connector.

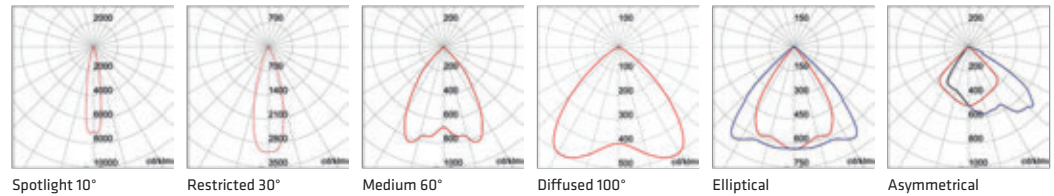
**NOTE:** due to the continuous changes with the LED technologies, the technical data can undertake variations.

Nominal flux referred to Tj=85°C.

Versions with 3000K (-30K) or 5700K (-57K) LED available on demand.

Maximum working temperature: +50°C.

**Photometric distributions**



**COMPLEMENTARY ITEM**



GW L1 907

**SPARE PART**

Code	Description	Dimensions (mm)	Pack Carton
GW L1 907	Transparent glass 4L-5L	176 x 176	1

# Smart [4] 2.0 FL



## OPTIC SYSTEM



A single line of six different optics that ensure excellent lighting performance in terms of CRI and light flux control, according to the specific context.

## NEW BLUEGREEN VERSIONS



The Smart [4] 2.0 range has been extended with new versions bluegreen particularly suitable for installation in gardens and parks where the luminaire integrates perfectly with the blue of the night.



## SPORTS APPLICATIONS



The Smart [4] 2.0 versions with a wall bracket are certified in accordance with DIN 18032-3. This means they are suitable for use in indoor sports facilities like multi-functional gyms or sports halls.

## Technical characteristics

<b>INSTALLATION</b>	Internal / External
<b>COLOUR</b>	Grey RAL7037 / Midnight blue
<b>MATERIALS</b>	
<b>Body</b>	Technopolymer PA6.6+GF
<b>Heat sink</b>	Die-cast aluminium EN AB 44300 - copper free
<b>Collimator</b>	PC
<b>Secondary lens</b>	PMMA (where envisaged)
<b>Shield</b>	Extra-clear flat glass 4 mm
<b>Bracket</b>	Painted galvanised steel

<b>DEGREE OF PROTECTION</b>	IP66
<b>IMPACT RESISTANCE</b>	IK08
<b>INSULATION CLASS</b>	I
<b>LIFETIME</b>	L80B05 @+25°C =120.000h
<b>MARKS</b>	CE   DIN18032-3

## Technical solutions

### Project: indoor basketball court



<b>Length [m]</b>	28
<b>Width [m]</b>	15
<b>Activity</b>	SPORT - indoor basketball
<b>Class</b>	III
<b>Eav [lx]</b>	200
<b>Emin\Eav</b>	0.5

<b>Luminaire</b>	<b>Smart [4] FL 2.0 GWS4173GS</b>
<b>Installation</b>	Ceiling
<b>Luminaire mounting height (m)</b>	10
<b>Number of floodlights</b>	10
<b>Number of floodlights per row</b>	5
<b>Eav [lx]</b>	230
<b>Emin\Eav</b>	0.74

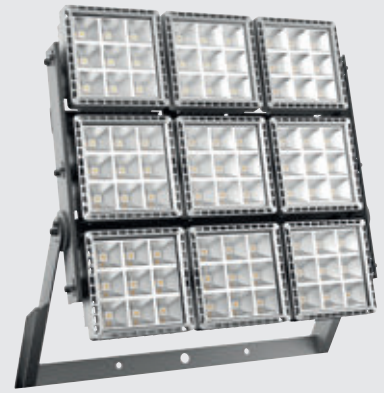
# Smart [Pro]

NEW PRODUCT

## Medium and High power innovative LED floodlights

Smart[Pro] is the new range of LED lighting devices for medium and high power floodlights. It was designed to offer high lighting performance, simplified installation, reduced maintenance and top energy savings in both simple and complex systems.

Smart[Pro] is the ideal solution for professional sport, highmast, airport applications, etc...



Technical characteristics page 64

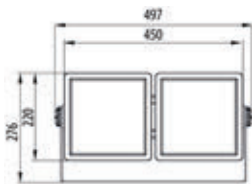
## SMART [PRO]



### HE VERSIONS - HIGH EFFICIENCY



GW P1 021 HE



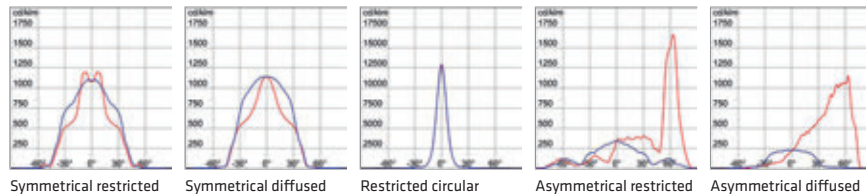
### MEDIUM POWER FLOODLIGHT MADE IN DIE CAST ALUMINIUM - 2 MODULES - EQUIVALENT TO 400W MT - IP66 - CLASS I



Code	Optic	Number of modules	Colour temperature	System power	Nominal flux (lm)	Lumen output (lm)	Weight (kg)	Pack Carton
<b>Versions: 3000K warm light</b>								
GW P1 021 HE	Symmetrical restricted	2 (2x9 LED)	3000 K (CRI 80)	260 W	24840	22750	10.4	1
GW P1 022 HE	Symmetrical diffused	2 (2x9 LED)	3000 K (CRI 80)	260 W	24840	23380	10.4	1
GW P1 023 HE	Restricted circular	2 (2x9 LED)	3000 K (CRI 80)	260 W	24840	19480	10.4	1
GW P1 024 HE	Asymmetrical restricted	2 (2x9 LED)	3000 K (CRI 80)	260 W	24840	20360	10.4	1
GW P1 025 HE	Asymmetrical diffused	2 (2x9 LED)	3000 K (CRI 80)	260 W	24840	22120	10.4	1
<b>Versions: 4000K natural light</b>								
GW P1 121 HE	Symmetrical restricted	2 (2x9 LED)	4000 K (CRI 70)	260 W	28620	26220	10.4	1
GW P1 122 HE	Symmetrical diffused	2 (2x9 LED)	4000 K (CRI 70)	260 W	28620	26940	10.4	1
GW P1 123 HE	Restricted circular	2 (2x9 LED)	4000 K (CRI 70)	260 W	28620	22450	10.4	1
GW P1 124 HE	Asymmetrical restricted	2 (2x9 LED)	4000 K (CRI 70)	260 W	28620	23460	10.4	1
GW P1 125 HE	Asymmetrical diffused	2 (2x9 LED)	4000 K (CRI 70)	260 W	28620	25490	10.4	1
<b>Versions: 5700K cold light</b>								
GW P1 221 HE	Symmetrical restricted	2 (2x9 LED)	5700 K (CRI 70)	260 W	30780	28190	10.4	1
GW P1 222 HE	Symmetrical diffused	2 (2x9 LED)	5700 K (CRI 70)	260 W	30780	28970	10.4	1
GW P1 223 HE	Restricted circular	2 (2x9 LED)	5700 K (CRI 70)	260 W	30780	24140	10.4	1
GW P1 224 HE	Asymmetrical restricted	2 (2x9 LED)	5700 K (CRI 70)	260 W	30780	25230	10.4	1
GW P1 225 HE	Asymmetrical diffused	2 (2x9 LED)	5700 K (CRI 70)	260 W	30780	27420	10.4	1

NOTE: Versions complete of driver. Voltage current 220-240V 50/60Hz.  
due to the continuous changes with the LED technologies, the technical data can undertake variations.  
Nominal flux referred to Tj=85°C.

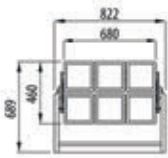
### Photometric distributions



FLOODLIGHTS



GW P1 161 HE



## HIGH POWER FLOODLIGHT MADE IN DIE CAST ALUMINIUM - 6 MODULES - EQUIVALENT TO 1000W MT - IP66 - CLASS I



CONSTANT  
CURRENT  
DRIVER



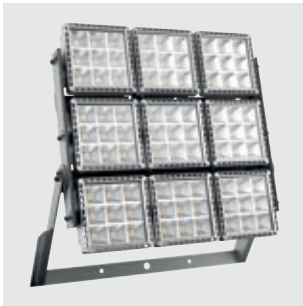
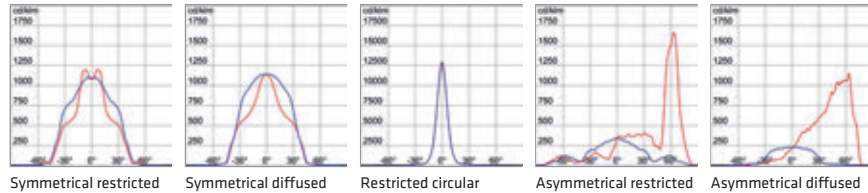
Code	Optic	Number of modules	Colour temperature	System power	Nominal flux (lm)	Lumen output (lm)	Weight (kg)	Pack Carton
<b>Versions: 4000K natural light</b>								
GW P1 161 HE	Symmetrical restricted	6 (6x9 LED)	4000 K (CRI 70)	770 W	85860	78650	31	1
GW P1 162 HE	Symmetrical diffused	6 (6x9 LED)	4000 K (CRI 70)	770 W	85860	80820	31	1
GW P1 163 HE	Restricted circular	6 (6x9 LED)	4000 K (CRI 70)	770 W	85860	67350	31	1
GW P1 164 HE	Asymmetrical restricted	6 (6x9 LED)	4000 K (CRI 70)	770 W	85860	70390	31	1
GW P1 165 HE	Asymmetrical diffused	6 (6x9 LED)	4000 K (CRI 70)	770 W	85860	76470	31	1

### Versions: 5700K cold light

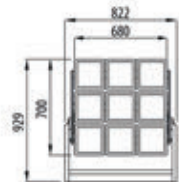
GW P1 261 HE	Symmetrical restricted	6 (6x9 LED)	5700 K (CRI 70)	770 W	92340	84580	31	1
GW P1 262 HE	Symmetrical diffused	6 (6x9 LED)	5700 K (CRI 70)	770 W	92340	86920	31	1
GW P1 263 HE	Restricted circular	6 (6x9 LED)	5700 K (CRI 70)	770 W	92340	72430	31	1
GW P1 264 HE	Asymmetrical restricted	6 (6x9 LED)	5700 K (CRI 70)	770 W	92340	75700	31	1
GW P1 265 HE	Asymmetrical diffused	6 (6x9 LED)	5700 K (CRI 70)	770 W	92340	82240	31	1

NOTE: Must be complete with supply unit. due to the continuous changes with the LED technologies, the technical data can undertake variations. Nominal flux referred to Tj=85°C.

### Photometric distributions



GW P1 191 HE



## HIGH POWER FLOODLIGHT MADE IN DIE CAST ALUMINIUM - 9 MODULES - EQUIVALENT TO 2000W MT - IP66 - CLASS I



CONSTANT  
CURRENT  
DRIVER



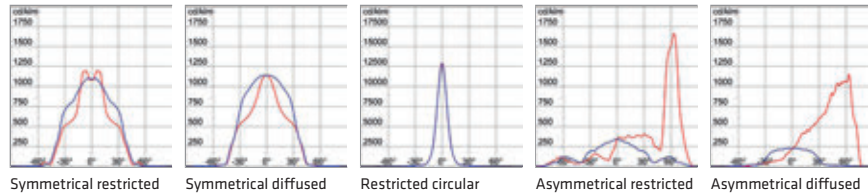
Code	Optic	Number of modules	Colour temperature	System power	Nominal flux (lm)	Lumen output (lm)	Weight (kg)	Pack Carton
<b>Versions: 4000K natural light</b>								
GW P1 191 HE	Symmetrical restricted	9 (9x9 LED)	4000 K (CRI 70)	1110 W	128790	117970	41	1
GW P1 192 HE	Symmetrical diffused	9 (9x9 LED)	4000 K (CRI 70)	1110 W	128790	121230	41	1
GW P1 193 HE	Restricted circular	9 (9x9 LED)	4000 K (CRI 70)	1110 W	128790	101020	41	1
GW P1 194 HE	Asymmetrical restricted	9 (9x9 LED)	4000 K (CRI 70)	1110 W	128790	105590	41	1
GW P1 195 HE	Asymmetrical diffused	9 (9x9 LED)	4000 K (CRI 70)	1110 W	128790	114710	41	1

### Versions: 5700K cold light

GW P1 291 HE	Symmetrical restricted	9 (9x9 LED)	5700 K (CRI 70)	1110 W	138510	126870	41	1
GW P1 292 HE	Symmetrical diffused	9 (9x9 LED)	5700 K (CRI 70)	1110 W	138510	130380	41	1
GW P1 293 HE	Restricted circular	9 (9x9 LED)	5700 K (CRI 70)	1110 W	138510	108650	41	1
GW P1 294 HE	Asymmetrical restricted	9 (9x9 LED)	5700 K (CRI 70)	1110 W	138510	113550	41	1
GW P1 295 HE	Asymmetrical diffused	9 (9x9 LED)	5700 K (CRI 70)	1110 W	138510	123370	41	1

NOTE: Must be complete with supply unit. due to the continuous changes with the LED technologies, the technical data can undertake variations. Nominal flux referred to Tj=85°C.

### Photometric distributions



**COMPLEMENTARY ITEMS**

GW P1 902

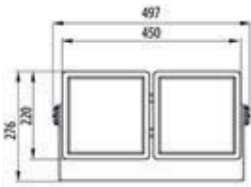
**SUPPLY UNITS**

Code	Version	Number of modules	Supply voltage	Type	Pack Carton
GW P1 901 HE	High Efficiency - 1,1A	6	200/250 V - 50/60 Hz	Stand alone	1
GW P1 902 HE	High Efficiency - 1,1A	9	200/250 V - 50/60 Hz	Stand alone	1
GW P1 903 HE	High Efficiency - 1,1A	9	380/400 V - 50/60 Hz	Stand alone	1

## HL VERSIONS - HIGH LUMEN



GW P1 021 HL



### MEDIUM POWER FLOODLIGHT MADE IN DIE CAST ALUMINIUM - 2 MODULES - EQUIVALENT TO 400W MT - IP66 - CLASS I



CONSTANT  
CURRENT  
DRIVER



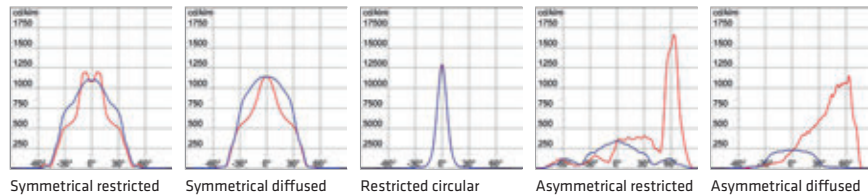
Code	Optic	Number of modules	Colour temperature	System power	Nominal flux (lm)	Lumen output (lm)	Weight (kg)	Pack Carton
<b>Versions: 3000K warm light</b>								
GW P1 021 HL	Symmetrical restricted	2 (2x9 LED)	3000 K (CRI 80)	340 W	30000	27480	10.4	1
GW P1 022 HL	Symmetrical diffused	2 (2x9 LED)	3000 K (CRI 80)	340 W	30000	28230	10.4	1
GW P1 023 HL	Restricted circular	2 (2x9 LED)	3000 K (CRI 80)	340 W	30000	23520	10.4	1
GW P1 024 HL	Asymmetrical restricted	2 (2x9 LED)	3000 K (CRI 80)	340 W	30000	24590	10.4	1
GW P1 025 HL	Asymmetrical diffused	2 (2x9 LED)	3000 K (CRI 80)	340 W	30000	26720	10.4	1
<b>Versions: 4000K natural light</b>								
GW P1 121 HL	Symmetrical restricted	2 (2x9 LED)	4000 K (CRI 70)	340 W	34560	31660	10.4	1
GW P1 122 HL	Symmetrical diffused	2 (2x9 LED)	4000 K (CRI 70)	340 W	34560	32530	10.4	1
GW P1 123 HL	Restricted circular	2 (2x9 LED)	4000 K (CRI 70)	340 W	34560	27110	10.4	1
GW P1 124 HL	Asymmetrical restricted	2 (2x9 LED)	4000 K (CRI 70)	340 W	34560	28330	10.4	1
GW P1 125 HL	Asymmetrical diffused	2 (2x9 LED)	4000 K (CRI 70)	340 W	34560	30780	10.4	1
<b>Versions: 5700K cold light</b>								
GW P1 221 HL	Symmetrical restricted	2 (2x9 LED)	5700 K (CRI 70)	340 W	37170	34050	10.4	1
GW P1 222 HL	Symmetrical diffused	2 (2x9 LED)	5700 K (CRI 70)	340 W	37170	34990	10.4	1
GW P1 223 HL	Restricted circular	2 (2x9 LED)	5700 K (CRI 70)	340 W	37170	29160	10.4	1
GW P1 224 HL	Asymmetrical restricted	2 (2x9 LED)	5700 K (CRI 70)	340 W	37170	30470	10.4	1
GW P1 225 HL	Asymmetrical diffused	2 (2x9 LED)	5700 K (CRI 70)	340 W	37170	33110	10.4	1

**NOTE:** Versions complete of driver. Voltage current 220-240V 50/60Hz.

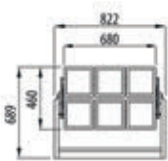
due to the continuous changes with the LED technologies, the technical data can undertake variations.

Nominal flux referred to Tj=85°C.

#### Photometric distributions



GW P1 161 HL



### HIGH POWER FLOODLIGHT MADE IN DIE CAST ALUMINIUM - 6 MODULES - EQUIVALENT TO 1000W MT - IP66 - CLASS I



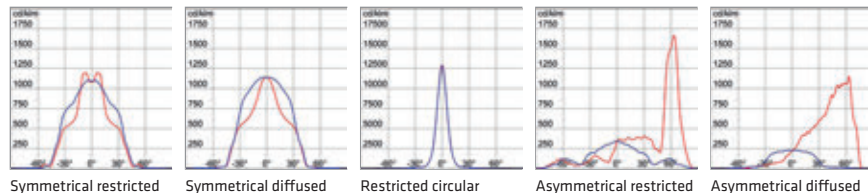
CONSTANT  
CURRENT  
DRIVER

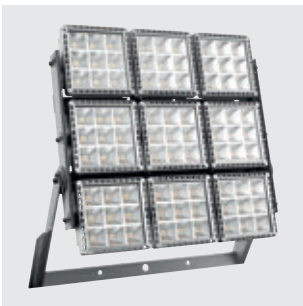


Code	Optic	Number of modules	Colour temperature	System power	Nominal flux (lm)	Lumen output (lm)	Weight (kg)	Pack Carton
<b>Versions: 4000K natural light</b>								
GW P1 161 HL	Symmetrical restricted	6 (6x9 LED)	4000 K (CRI 70)	1020 W	103680	94970	31	1
GW P1 162 HL	Symmetrical diffused	6 (6x9 LED)	4000 K (CRI 70)	1020 W	103680	97590	31	1
GW P1 163 HL	Restricted circular	6 (6x9 LED)	4000 K (CRI 70)	1020 W	103680	81330	31	1
GW P1 164 HL	Asymmetrical restricted	6 (6x9 LED)	4000 K (CRI 70)	1020 W	103680	85000	31	1
GW P1 165 HL	Asymmetrical diffused	6 (6x9 LED)	4000 K (CRI 70)	1020 W	103680	92350	31	1
<b>Versions: 5700K cold light</b>								
GW P1 261 HL	Symmetrical restricted	6 (6x9 LED)	5700 K (CRI 70)	1020 W	111510	102140	31	1
GW P1 262 HL	Symmetrical diffused	6 (6x9 LED)	5700 K (CRI 70)	1020 W	111510	104960	31	1
GW P1 263 HL	Restricted circular	6 (6x9 LED)	5700 K (CRI 70)	1020 W	111510	87470	31	1
GW P1 264 HL	Asymmetrical restricted	6 (6x9 LED)	5700 K (CRI 70)	1020 W	111510	91420	31	1
GW P1 265 HL	Asymmetrical diffused	6 (6x9 LED)	5700 K (CRI 70)	1020 W	111510	99320	31	1

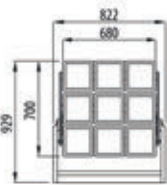
**NOTE:** Must be complete with supply unit. due to the continuous changes with the LED technologies, the technical data can undertake variations. Nominal flux referred to Tj=85°C.

#### Photometric distributions





GW P1 191 HL



**HIGH POWER FLOODLIGHT MADE IN DIE CAST ALUMINIUM - 9 MODULES - EQUIVALENT TO 2000W MT - IP66 - CLASS I**



CONSTANT  
CURRENT  
DRIVER

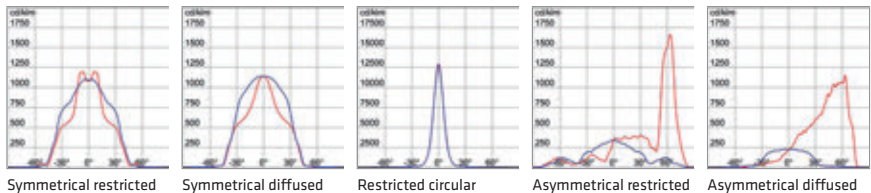


Code	Optic	Number of modules	Colour temperature	System power	Nominal flux (lm)	Lumen output (lm)	Weight (kg)	Pack Carton
<b>Versions: 4000K natural light</b>								
GW P1 191 HL	Symmetrical restricted	9 (9x9 LED)	4000 K (CRI 70)	1510 W	155530	142460	41	1
GW P1 192 HL	Symmetrical diffused	9 (9x9 LED)	4000 K (CRI 70)	1510 W	155530	146390	41	1
GW P1 193 HL	Restricted circular	9 (9x9 LED)	4000 K (CRI 70)	1510 W	155530	121990	41	1
GW P1 194 HL	Asymmetrical restricted	9 (9x9 LED)	4000 K (CRI 70)	1510 W	155530	127500	41	1
GW P1 195 HL	Asymmetrical diffused	9 (9x9 LED)	4000 K (CRI 70)	1510 W	155530	138520	41	1

<b>Versions: 5700K cold light</b>								
GW P1 291 HL	Symmetrical restricted	9 (9x9 LED)	5700 K (CRI 70)	1510 W	167260	153210	41	1
GW P1 292 HL	Symmetrical diffused	9 (9x9 LED)	5700 K (CRI 70)	1510 W	167260	157440	41	1
GW P1 293 HL	Restricted circular	9 (9x9 LED)	5700 K (CRI 70)	1510 W	167260	131200	41	1
GW P1 294 HL	Asymmetrical restricted	9 (9x9 LED)	5700 K (CRI 70)	1510 W	167260	137130	41	1
GW P1 295 HL	Asymmetrical diffused	9 (9x9 LED)	5700 K (CRI 70)	1510 W	167260	148980	41	1

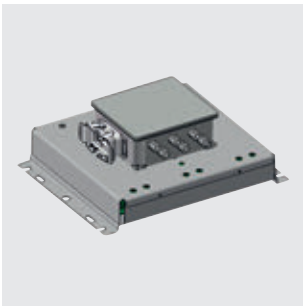
NOTE: Must be complete with supply unit. due to the continuous changes with the LED technologies, the technical data can undertake variations. Nominal flux referred to Tj=85°C.

**Photometric distributions**



FLOODLIGHTS

**COMPLEMENTARY ITEMS**



GW P1 911 HL

**SUPPLY UNITS**

Code	Version	Number of modules	Supply voltage	Type	Pack Carton
GW P1 911 HL	High Lumen - 1,4A	6	200/250 V - 50/60 Hz	Stand Alone - 1/10V	1
GW P1 912 HL	High Lumen - 1,4A	9	200/250 V - 50/60 Hz	Stand Alone - 1/10V	1
GW P1 913 HL	High Lumen - 1,4A	9	380/400 V - 50/60 Hz	Stand Alone - 1/10V	1

# Smart Pro



## REDUCED MAINTENANCE



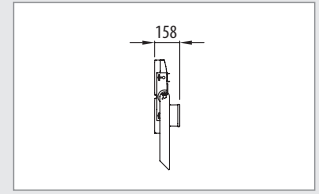
The average lifetime of a LED device goes well beyond the average number of operating hours of traditional lamps, and at the same time makes it possible to reduce the amount of maintenance interventions.

## IMMEDIATE ON AND OFF



Unlike traditional lamps, they switch on immediately, for instance in the case of a temporary blackout, and the total light flux is available straight away.

## COMPACT AND FLEXIBLE



Thanks to the compact design and installation flexibility of the lighting body, they can be used in new systems or inserted in existing ones, from large outdoor areas to major sports facilities.

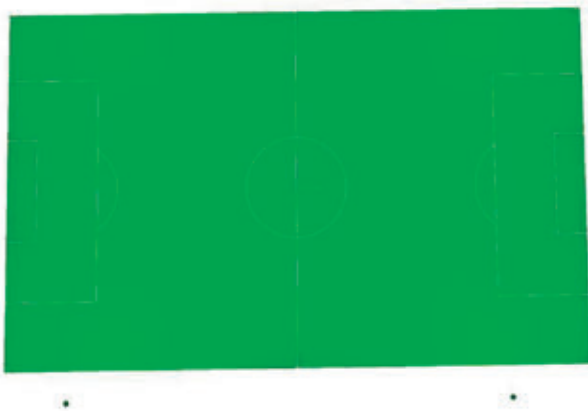
## Technical characteristics

<b>INSTALLATION</b>	Indoors / outdoors
<b>COLOUR</b>	Graphite Grey
<b>MATERIALS</b>	
<b>Structure</b>	Galvanized iron and coated with polyester powder
<b>Heat sink</b>	EN AB 44300 die-cast aluminium
<b>Shield</b>	Tempered glass 4 mm
<b>Bracket</b>	Galvanized iron and coated with polyester powder

<b>DEGREE OF PROTECTION</b>	IP66
<b>IMPACT RESISTANCE</b>	IK08
<b>INSULATION CLASS</b>	I
<b>LIFETIME</b>	L80B10 =110,000h\L90B10=50,000h for HE versions L80B10 =75,000h\L90B10=35,000h for HL versions
<b>MARKINGS</b>	CE

## Installation solutions

### Project: Standard football

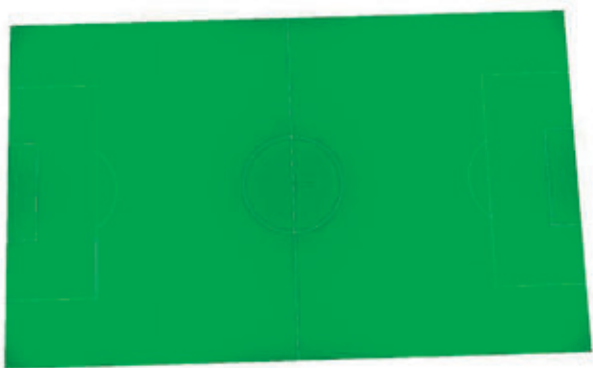


<b>Length [m]</b>	105
<b>Width [m]</b>	65
<b>Task or job carried out</b>	SPORT - Standard football
<b>Class</b>	II
<b>Eav [lx]</b>	200
<b>Emin\Eav</b>	0.6
<b>Device</b>	SMART[PRO] GWP1294HL 9M/757 HL AC
<b>Number of poles</b>	4
<b>Number of floodlights</b>	20
<b>Pole height [m]</b>	25
<b>Eav [lx]</b>	212
<b>Emin\Eav</b>	0.6



**Installation solutions**

**Project: Standard football**



<b>Length [m]</b>	105
<b>Width [m]</b>	65
<b>Task or job carried out</b>	SPORT - Standard football
<b>Class</b>	III
<b>Eav [lx]</b>	75
<b>Emin\Eav</b>	0.5
<b>Device</b>	SMART[PRO] GWP1292HL 9M/757 HL SD
<b>Number of poles</b>	4
<b>Number of floodlights</b>	8
<b>Pole height [m]</b>	25
<b>Eav [lx]</b>	103
<b>Emin\Eav</b>	0.6

FLOODLIGHTS

**Installation solutions**

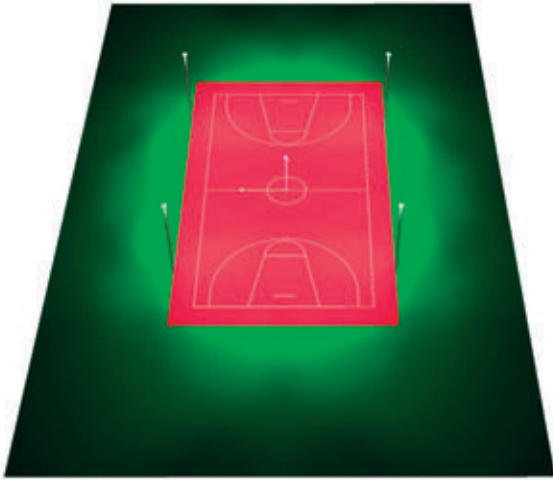
**Project: Construction site**



<b>Standard</b>	EN 12464-2:2014
<b>Reference</b>	5.3.2
<b>Task or job carried out</b>	Areas of construction, transport, storage and auxiliary activities
<b>Average lighting on the work surface (Em)</b>	50 lx
<b>Uniformity (Uo)</b>	0.4
<b>Area dimensions</b>	3844 m <sup>2</sup>
<b>Product code</b>	SMART[PRO] GWP1164HE 6M/740 HE AC
<b>Quantity</b>	4
<b>Average lighting on the work surface (Em)</b>	52
<b>Uniformity (Uo)</b>	0.4
<b>Installed electric power</b>	3kW

## Installation solutions

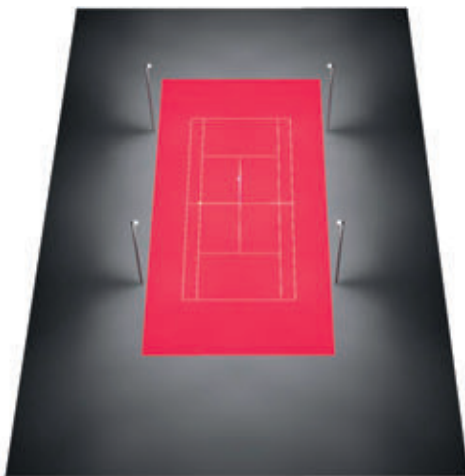
### Project: outdoor basketball court



<b>Length [m]</b>	32
<b>Width [m]</b>	19
<b>Task or job carried out</b>	Outdoor Basketball
<b>Class UNI</b>	II
<b>Class CONI</b>	II
<b>Eav [lx]</b>	200
<b>Emin/Eav</b>	0.6
<b>Device</b>	SMART[PRO] GWP1225HL 2M/757 HL AD
<b>Number of poles</b>	4
<b>Number of floodlights</b>	8
<b>Pole height [m]</b>	8
<b>Eav [lx]</b>	240
<b>Emin/Eav</b>	0.6

## Installation solutions

### Project: outdoor tennis court



<b>Length [m]</b>	36
<b>Width [m]</b>	18
<b>Task or job carried out</b>	Outdoor Tennis
<b>Class UNI</b>	III
<b>Class CONI</b>	I
<b>Eav [lx]</b>	200
<b>Emin/Eav</b>	0.6
<b>Device</b>	SMART[PRO] GWP1225HL 2M/757 HL AD
<b>Number of poles</b>	4
<b>Number of floodlights</b>	16
<b>Pole height [m]</b>	10
<b>Eav [lx]</b>	370
<b>Emin/Eav</b>	0.6

# Horus

## Technopolymer floodlights

This technopolymer floodlight guarantees high mechanical resistance and excellent resistance to UV rays, making it ideal for use in both indoor and outdoor contexts. HORUS is available with a wide choice of optics, suitable for sports environments too.



Technical characteristics page 80

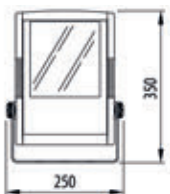
### HORUS 1



#### SYMMETRICAL OPTICS



GW 85 302 S

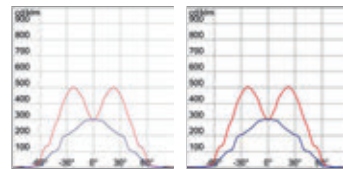


#### WIRED VERSIONS WITH P.F. CORRECTION COMPLETE WITH LAMP - IP65 - CLASS II



Code	Lamp power	Lamp supplied	Lamp holder	Lamp current	Colour	Weight (kg)	Pack Carton
<b>Voltage: 230 V - 50 Hz</b>							
GW 85 302 S	70 W	SD	RX7s	1 A	Smoke grey	3.7	1
GW 85 302 M	70 W	MD	RX7s	1 A	Smoke grey	3.7	1

#### Photometric distributions



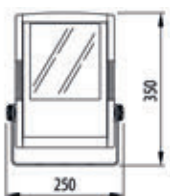
70 W SD

70 W MD

FLOODLIGHTS



GW 85 393



#### UNWIRED VERSIONS



Code	Max lamp power	Lamp holder	Colour	Weight (kg)	Pack Carton
GW 85 393	70 W	RX7s	Smoke grey	2.3	1

**ACCESSORIES SUPPLIED:** structural components: reflector, accessory-holding plate.

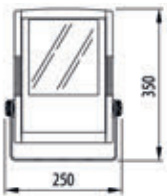
Electrical components: lampholder with cables, terminal block.

The devices are supplied with standard service items.

## ASYMMETRICAL OPTICS



GW 85 301 M

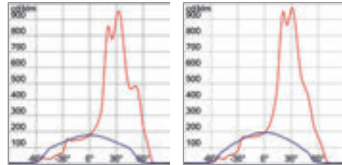


### WIRED VERSIONS WITH P.F. CORRECTION COMPLETE WITH LAMP - IP65 - CLASS II



Code	Lamp power	Lamp supplied	Lamp holder	Lamp current	Colour	Weight (kg)	Pack Carton
<b>Voltage: 230 V - 50 Hz</b>							
GW 85 301 S	70 W	SD	RX7s	1 A	Smoke grey	3.7	1
GW 85 301 M	70 W	MD	RX7s	1 A	Smoke grey	3.7	1

#### Photometric distributions

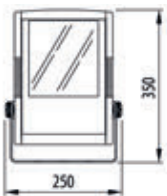


70 W SD

70 W MD



GW 85 391



### UNWIRED VERSIONS



Code	Max lamp power	Lamp holder	Colour	Weight (kg)	Pack Carton
GW 85 391	70 W	RX7s	Smoke grey	2.3	1

**ACCESSORIES SUPPLIED:** structural components: reflector, accessory-holding plate.

Electrical components: lampholder, terminal block.

The devices are supplied with standard service items.

COMPLEMENTARY ITEMS



**OPTICAL COMPONENTS**

Code	Description	Colour	Weight (kg)	Pack Carton
GW 85 371	Anti-glare louvre	Smoke grey	0.5	1/2
GW 85 376	Blue filter		0.7	1/2
GW 85 377	Red filter		0.7	1/2
GW 85 378	Green filter		0.7	1/2
GW 85 379	Yellow filter		0.7	1/2



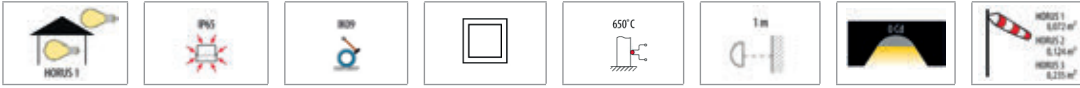
GW 88 292

**SPARE PARTS**

Code	Description	Weight (kg)	Pack Carton
GW 88 292	Tempered glass	0.8	1

# Horus

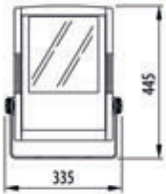
## HORUS 2



### SYMMETRICAL OPTIC



GW 85 004 M



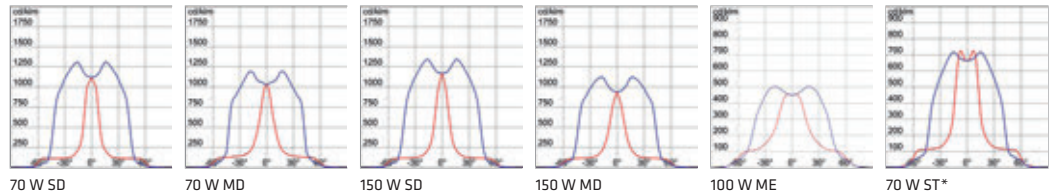
### WIRED VERSIONS WITH P.F. CORRECTION COMPLETE WITH LAMP - IP65 - CLASS II



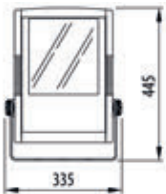
Code	Lamp power	Lamp supplied	Lamp holder	Lamp current	Colour	Weight (kg)	Pack Carton
<b>Voltage: 230 V - 50 Hz</b>							
GW 85 001 S	70 W	SD	RX7s	1 A	Smoke grey	5.3	1
GW 85 001 M	70 W	MD	RX7s	1 A	Smoke grey	5.3	1
GW 85 002 S	150 W	SD	RX7s	1.8 A	Smoke grey	6.3	1
GW 85 002 M	150 W	MD	RX7s	1.8 A	Smoke grey	6.3	1
GW 85 004 M	100 W	ME	E27	1.1 A	Smoke grey	5.5	1
GW 85 005 S	70 W	ST*	E27	1 A	Smoke grey	5.4	1

\* Lamps without built-in ignitor.

#### Photometric distributions



GW 85 092



### UNWIRED VERSIONS



Code	Max lamp power	Lamp holder	Colour	Weight (kg)	Pack Carton
GW 85 091	150 W	RX7s	Smoke grey	3.9	1
GW 85 092	100 W	E27	Smoke grey	3.9	1

**APPLICATIONS:** GW85091, device suitable for 70 and 150 W lamps.

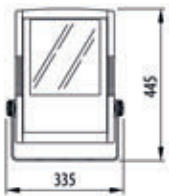
**ACCESSORIES SUPPLIED:** structural components: reflector, accessory-holding plate.

Electrical components: lampholder with cables, terminal block. The devices are supplied with standard service items.

**ASYMMETRICAL OPTICS**



GW 85 032 S



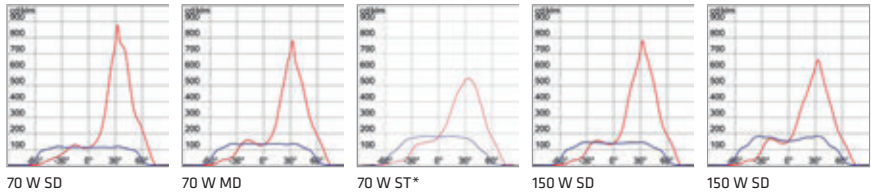
**WIRED VERSIONS WITH P.F. CORRECTION COMPLETE WITH LAMP - IP65 - CLASS II**



Code	Lamp power	Lamp supplied	Lamp holder	Lamp current	Colour	Weight (kg)	Pack Carton
<b>Voltage: 230 V - 50 Hz</b>							
GW 85 031 S	70 W	SD	RX7s	1 A	Smoke grey	5.3	1
GW 85 031 M	70 W	MD	RX7s	1 A	Smoke grey	5.3	1
GW 85 032 S	70 W	ST*	E27	1 A	Smoke grey	5.4	1
GW 85 033 S	150 W	SD	RX7s	1.8 A	Smoke grey	6.3	1
GW 85 033 M	150 W	MD	RX7s	1.8 A	Smoke grey	6.3	1

\* Lamps without built-in ignitor.

**Photometric distributions**



**UNWIRED VERSIONS**

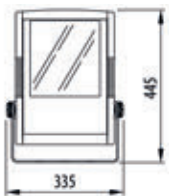


Code	Max lamp power	Lamp holder	Colour	Weight (kg)	Pack Carton
GW 85 093	150 W	RX7s	Smoke grey	4	1
GW 85 094	70 W	E27	Smoke grey	4	1

**APPLICATIONS:** GW85093, device suitable for 70 and 150 W lamps.  
**ACCESSORIES SUPPLIED:** structural components: reflector, accessory-holding plate.  
 Electrical components: lampholder with cables, terminal block. The devices are supplied with standard service items.



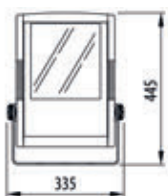
GW 85 094



## CIRCULAR OPTIC



GW 85 051 S

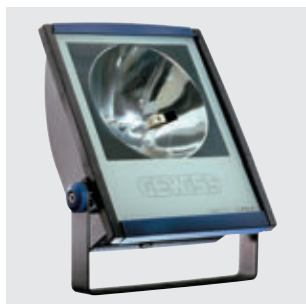
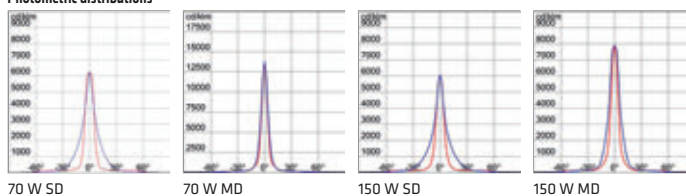


### WIRED VERSIONS WITH P.F. CORRECTION COMPLETE WITH LAMP - IP65 - CLASS II

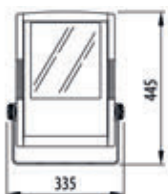


Code	Lamp power	Lamp supplied	Lamp holder	Lamp current	Colour	Weight (kg)	Pack Carton
<b>Voltage: 230 V - 50 Hz</b>							
GW 85 051 S	70 W	SD	RX7s	1 A	Smoke grey	5.3	1
GW 85 051 M	70 W	MD	RX7s	1 A	Smoke grey	5.3	1
GW 85 052 S	150 W	SD	RX7s	1.8 A	Smoke grey	6.3	1
GW 85 052 M	150 W	MD	RX7s	1.8 A	Smoke grey	6.3	1

#### Photometric distributions



GW 85 095



### UNWIRED VERSION



Code	Max lamp power	Lamp holder	Colour	Weight (kg)	Pack Carton
GW 85 095	150 W	RX7s	Smoke grey	4.1	1

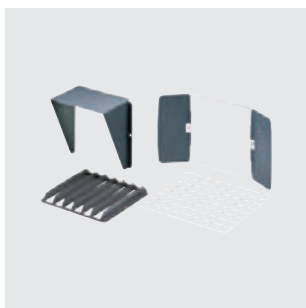
**APPLICATIONS:** GW85095, device suitable for 70 and 150 W lamps.

**ACCESSORIES SUPPLIED:** structural components: reflector, accessory-holding plate.

Electrical components: lampholder with cables, terminal block. The devices are supplied with standard service items.



COMPLEMENTARY ITEMS



**OPTICAL COMPONENTS**

Code	Description	Colour	Weight (kg)	Pack Carton
GW 85 071	Anti-glare louvre	Smoke grey	1.2	1/5
GW 85 082	Circular anti-glare	Black	0.3	1/5
GW 85 072	Protective wire guard		0.5	1/5
GW 85 073	Barn door shutter	Smoke grey	1	1/5
GW 85 074	Visor	Smoke grey	1.6	1/2
GW 85 075	Diffused glass		1.5	1/2



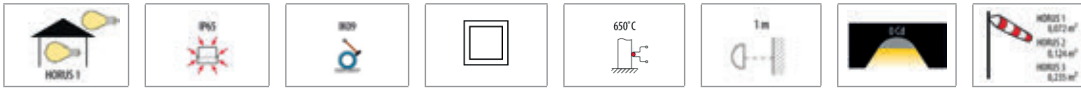
GW 88 291

**SPARE PARTS**

Code	Description	Weight (kg)	Pack Carton
GW 88 291	Tempered glass	1.4	1

# Horus

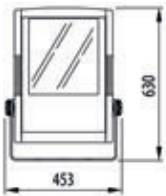
## HORUS 3



### SYMMETRICAL DIFFUSED OPTICS



GW 85 104 M



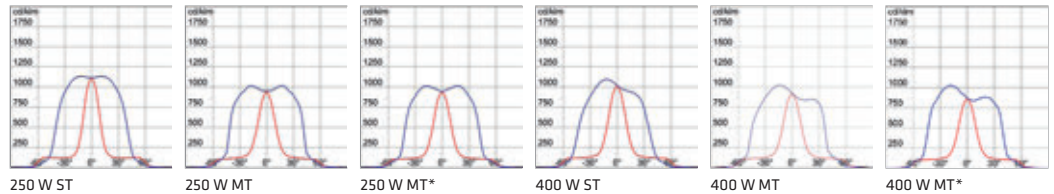
### WIRED VERSIONS WITH P.F. CORRECTION COMPLETE WITH LAMP - IP65 - CLASS II



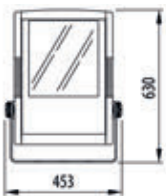
Code	Lamp power	Lamp supplied	Lamp holder	Lamp current	Colour	Weight (kg)	Pack Carton
<b>Voltage: 230 V - 50 Hz</b>							
GW 85 101 S	250 W	ST	E40	3 A	Smoke grey	10.5	1
GW 85 101 M	250 W	MT	E40	3 A	Smoke grey	10.5	1
GW 85 102 M	250 W	MT*	E40	2.2 A	Smoke grey	9.7	1
GW 85 104 S	400 W	ST	E40	4.2 A	Smoke grey	11.9	1
GW 85 104 M	400 W	MT	E40	4.2 A	Smoke grey	11.9	1
GW 85 105 M	400 W	MT*	E40	3.4 A	Smoke grey	10.4	1

\* Lamp with striking voltage of 0.7 ÷ 1kV.

#### Photometric distributions



GW 85 191



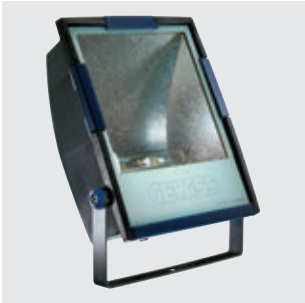
### UNWIRED VERSION



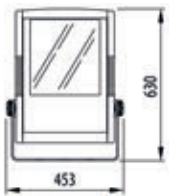
Code	Max lamp power	Lamp holder	Colour	Weight (kg)	Pack Carton
GW 85 191	400 W	E40	Smoke grey	7.4	1

**ACCESSORIES SUPPLIED:** structural components: reflector, accessory-holding plate.  
Electrical components: lampholder with cables, terminal block. The devices are supplied with standard service items.

**ASYMMETRICAL DIFFUSED OPTICS**



GW 85 133 M



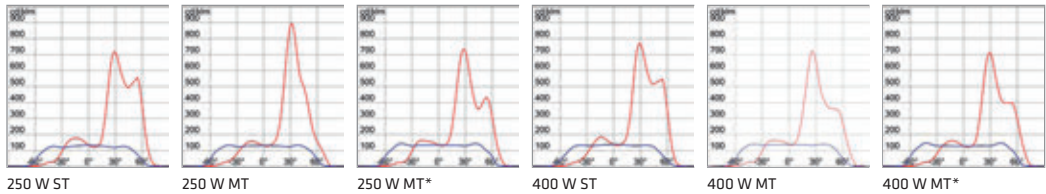
**WIRED VERSIONS WITH P.F. CORRECTION COMPLETE WITH LAMP - IP65 - CLASS II**



Code	Lamp power	Lamp supplied	Lamp holder	Lamp current	Colour	Weight (kg)	Pack Carton
<b>Voltage: 230 V - 50 Hz</b>							
GW 85 131 S	250 W	ST	E40	3 A	Smoke grey	10.5	1
GW 85 131 M	250 W	MT	E40	3 A	Smoke grey	10.5	1
GW 85 132 M	250 W	MT*	E40	2.2 A	Smoke grey	9.7	1
GW 85 133 S	400 W	ST	E40	4.2 A	Smoke grey	11.9	1
GW 85 133 M	400 W	MT	E40	4.2 A	Smoke grey	11.9	1
GW 85 134 M	400 W	MT*	E40	3.4 A	Smoke grey	10.4	1

\* Lamp with striking voltage of 0.7 + 1kV.

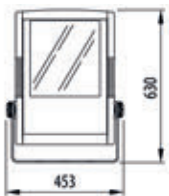
**Photometric distributions**



FLOODLIGHTS



GW 85 192



**UNWIRED VERSION**



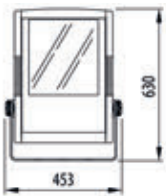
Code	Max lamp power	Lamp holder	Colour	Weight (kg)	Pack Carton
GW 85 192	400 W	E40	Smoke grey	7.4	1

**ACCESSORIES SUPPLIED:** structural components: reflector, accessory-holding plate.  
Electrical components: lampholder with cables, terminal block. The devices are supplied with standard service items.

## SYMMETRICAL RESTRICTED BEAM OPTICS



GW 85 203 M



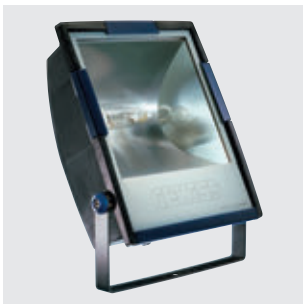
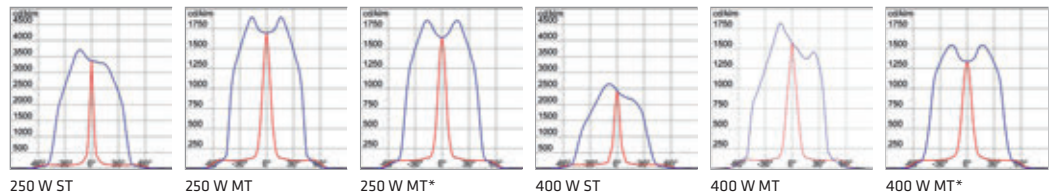
### WIRED VERSIONS WITH P.F. CORRECTION COMPLETE WITH LAMP - IP65 - CLASS II



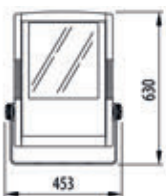
Code	Lamp power	Lamp supplied	Lamp holder	Lamp current	Colour	Weight (kg)	Pack Carton
<b>Voltage: 230 V - 50 Hz</b>							
GW 85 201 S	250 W	ST	E40	3 A	Smoke grey	10.5	1
GW 85 201 M	250 W	MT	E40	3 A	Smoke grey	10.5	1
GW 85 202 M	250 W	MT*	E40	2.2 A	Smoke grey	9.7	1
GW 85 203 S	400 W	ST	E40	4.2 A	Smoke grey	11.9	1
GW 85 203 M	400 W	MT	E40	4.2 A	Smoke grey	11.9	1
GW 85 204 M	400 W	MT*	E40	3.4 A	Smoke grey	10.4	1

\* Lamp with striking voltage of 0.7 + 1kV.

#### Photometric distributions



GW 85 291



### UNWIRED VERSION



Code	Max lamp power	Lamp holder	Colour	Weight (kg)	Pack Carton
GW 85 291	400 W	E40	Smoke grey	7.4	1

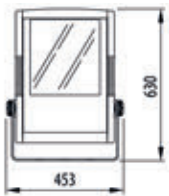
**ACCESSORIES SUPPLIED:** structural components: reflector, accessory-holding plate.

Electrical components: lampholder with cables, terminal block. The devices are supplied with standard service items.

**ASYMMETRICAL RESTRICTED BEAM OPTICS**



GW 85 223 M



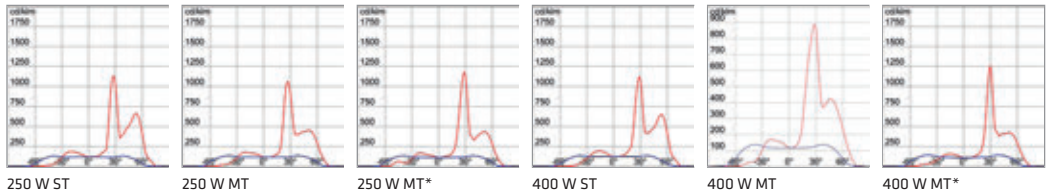
**WIRED VERSIONS WITH P.F. CORRECTION COMPLETE WITH LAMP - IP65 - CLASS II**



Code	Lamp power	Lamp supplied	Lamp holder	Lamp current	Colour	Weight (kg)	Pack Carton
<b>Voltage: 230 V - 50 Hz</b>							
GW 85 221 S	250 W	ST	E40	3 A	Smoke grey	10.5	1
GW 85 221 M	250 W	MT	E40	3 A	Smoke grey	10.5	1
GW 85 222 M	250 W	MT*	E40	2.2 A	Smoke grey	9.7	1
GW 85 223 S	400 W	ST	E40	4.2 A	Smoke grey	11.9	1
GW 85 223 M	400 W	MT	E40	4.2 A	Smoke grey	11.9	1
GW 85 224 M	400 W	MT*	E40	3.4 A	Smoke grey	10.4	1

\* Lamp with striking voltage of 0.7 + 1kV.

**Photometric distributions**

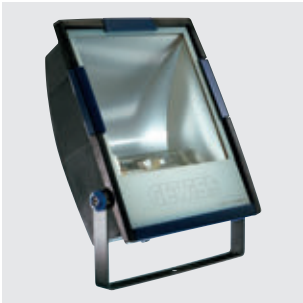


**UNWIRED VERSION**

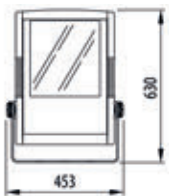


Code	Max lamp power	Lamp holder	Colour	Weight (kg)	Pack Carton
GW 85 292	400 W	E40	Smoke grey	7.4	1

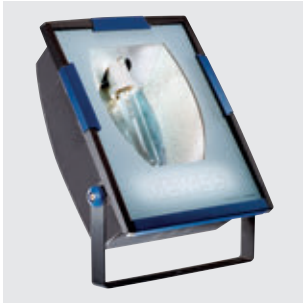
**ACCESSORIES SUPPLIED:** structural components: reflector, accessory-holding plate.  
Electrical components: lampholder with cables, terminal block. The devices are supplied with standard service items.



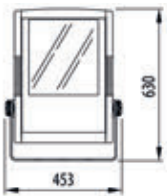
GW 85 292



## STREET OPTICS



GW 85 242 S

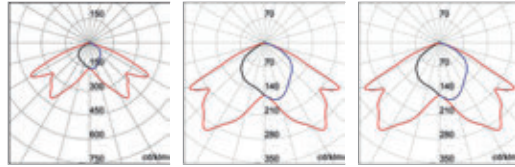


### WIRED VERSIONS WITH P.F. CORRECTION COMPLETE WITH LAMP - IP65 - CLASS II



Code	Lamp power	Lamp supplied	Lamp holder	Lamp current	Colour	Weight (kg)	Pack Carton
<b>Voltage: 230 V - 50 Hz</b>							
GW 85 241 S	150 W	ST	E40	1.8 A	Smoke grey	9.8	1
GW 85 242 S	250 W	ST	E40	3 A	Smoke grey	10.5	1
GW 85 242 M	250 W	MT	E40	3 A	Smoke grey	10.5	1

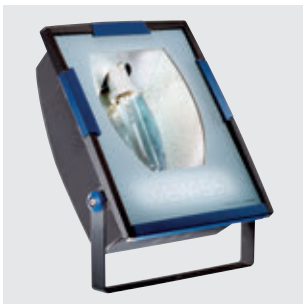
#### Photometric distributions



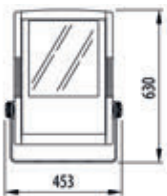
150 W ST

250 W ST

250 W MT



GW 85 293



### UNWIRED VERSION

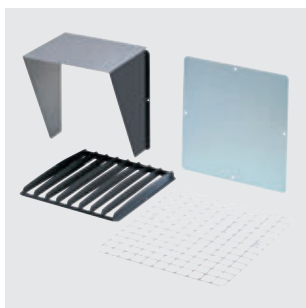


Code	Max lamp power	Lamp holder	Colour	Weight (kg)	Pack Carton
GW 85 293	250 W	E40	Smoke grey	7.4	1

**ACCESSORIES SUPPLIED:** structural components: reflector, accessory-holding plate.

Electrical components: lampholder with cables, terminal block. The devices are supplied with standard service items.

**COMPLEMENTARY ITEMS**



**OPTICAL COMPONENTS**

Code	Description	Colour	Weight (kg)	Pack Carton
GW 85 181	Anti-glare louvre	Smoke grey	2.1	1/5
GW 85 182	Protective wire guard		1.7	1/4
GW 85 184	Visor	Smoke grey	3.6	1/2
GW 85 185	Diffused glass		2.6	1/2



**SPARE PARTS**

Code	Description	Weight (kg)	Pack Carton
GW 88 293	Tempered glass for symmetric / asymmetric optics	2.4	1
GW 88 294	Tempered glass for street optic	2.4	1

GW 88 293

# Horus



## ANTI-CONDENSATION DEVICE



The special anti-condensation Gore-Tex membrane mounted on the HORUS 3 versions makes compensation of the internal pressure easier and prevents needless mechanical stresses on glass and seals.

## QUICK INSTALLATION



To simplify and speed up the installation operations, the HORUS floodlights are packaged and sold with the bracket dismantled and already complete with the coupling accessories.


## THE QUALITY OF TECHNOPOLYMER



When applied to the lighting industry, GEWISS' extensive know-how with regards to plastic materials guarantees an excellent degree of reliability of the products, certified with a 5-year warranty.

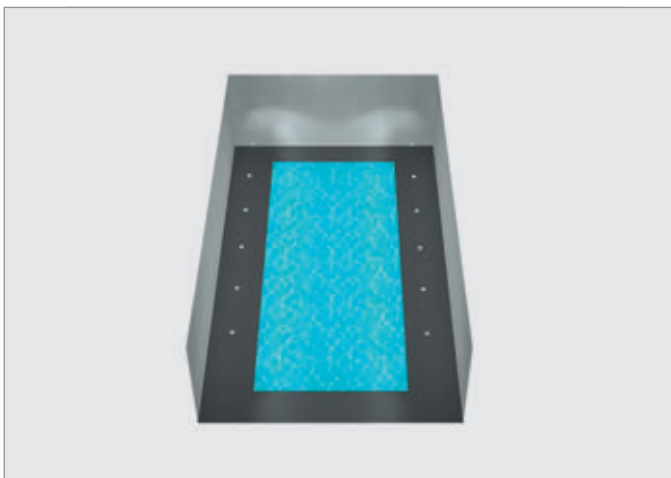
## Technical characteristics

<b>INSTALLATION</b>	External / Internal (Horus1)
<b>COLOUR</b>	Smokey grey
<b>MATERIALS</b>	
<b>Body</b>	Technopolymer PA6.6+GF
<b>Reflector</b>	Polished aluminium 99.85%
<b>Shield</b>	Flat glass 4 mm
<b>Bracket</b>	Painted galvanised steel

<b>DEGREE OF PROTECTION</b>	IP65
<b>IMPACT RESISTANCE</b>	IK09
<b>INSULATION CLASS</b>	II
<b>MARKS</b>	CE  DIN18032-3

## Technical solutions

### Project: indoor swimming pool



<b>Length [m]</b>	40
<b>Width [m]</b>	20
<b>Activity</b>	SPORT - Indoor swimming pool
<b>Class</b>	EN 12193
<b>Eave [lx]</b>	200
<b>Emin/Eave</b>	0.6
<b>Luminaire</b>	<b>GW85134M HORUS 3 400 W MT</b>
<b>Number of poles</b>	4
<b>Pole height</b>	12
<b>Number of floodlights</b>	16
<b>Number of floodlights per pole</b>	4
<b>Eave [lx]</b>	200
<b>Emin/Eave</b>	0.6



# Genius

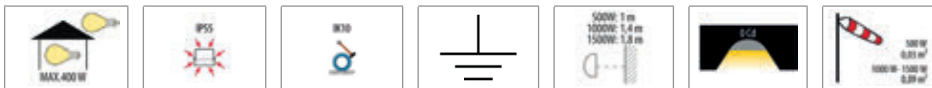
## Multifunction floodlights for fixed or portable applications

Suitable for either fixed or mobile use in both indoor and outdoor contexts, the Genius floodlight in die-cast aluminium is painted with polyester powders to ensure the best possible protection against corrosion.



Technical characteristics page 83

### GENIUS



#### FIXED APPLICATION



GW 84 201

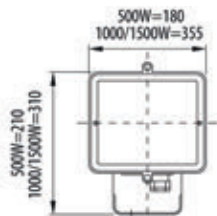
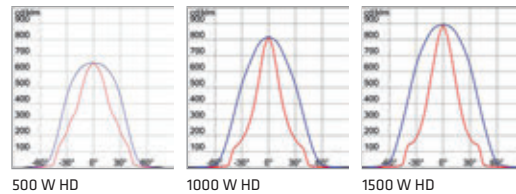
#### FLOODLIGHTS - IP55 - CLASS I



Code	Max lamp power	Lamp	Lamp holder	Lamp current	Colour	Weight (kg)	Pack Carton
GW 84 201	500 W	HD	R7s	2.1 A	Graphite grey	1.2	1/12
GW 84 215	500 W	HD	R7s	2.1 A	White	1.2	1/12
GW 84 202	1000 W	HD	R7s	4.3 A	Graphite grey	3	1
GW 84 203	1500 W	HD	R7s	6.5 A	Graphite grey	3	1

CHARACTERISTICS: GW84201 - GW84215 also suitable for 120W - 400W lamps.  
GW84202 also suitable for 750W lamps.

#### Photometric distributions



#### MOBILE APPLICATION



GW 84 204

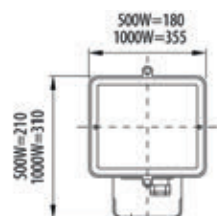
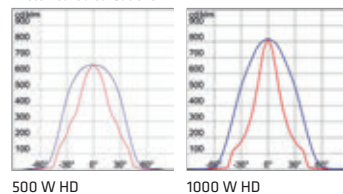
#### FLOODLIGHTS ON TUBULAR SUPPORT - IP55 - CLASS I



Code	Max lamp power	Lamp	Lamp holder	Lamp current	Colour	Weight (kg)	Pack Carton
GW 84 204	500 W	HD	R7s	2.1 A	Graphite grey	2.8	1
GW 84 205	1000 W	HD	R7s	4.3 A	Graphite grey	4.8	1

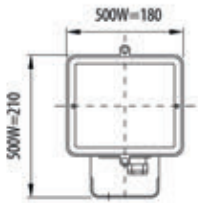
CHARACTERISTICS: protective wire guard and cable type H07RN-F section 3x1.5mm<sup>2</sup>, length 5m with plug IEC 309 16A 2P+E 200-250V - IP67.  
GW84204: also suitable for 120W - 400W lamps; GW84205: also suitable for 750W lamps.

#### Photometric distributions





GW 84 220



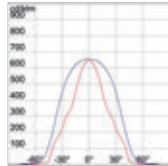
## FLOODLIGHTS ON ADJUSTABLE TELESCOPIC SUPPORT (MIN 1 M - MAX 1.4 M) - IP55 - CLASS I



Code	Max lamp power	Lamp	Lamp holder	Lamp current	Colour	Weight (kg)	Pack Carton
GW 84 220	500 W	HD	R7s	2.1 A	Graphite grey	4.6	1

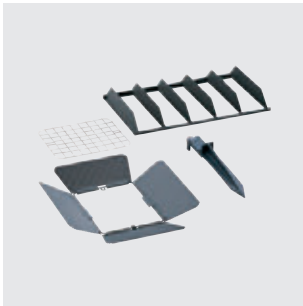
**CHARACTERISTICS:** protective wire guard and cable type H07RN-F section 3x1.5mm<sup>2</sup>, length 5m with plug IEC 309 16A 2P+E 200-250V - IP67. also suitable for 120W - 400W lamps.

### Photometric distributions



500 W HD

## COMPLEMENTARY ITEMS



### COMPLEMENTARY ITEMS FOR INSTALLATION

Code	Description	Suitable for	Dimensions (mm)	Colour	Weight (kg)	Pack Carton
GW 84 213	Protective wire guard	500 W	180x150		0.1	1/5
GW 84 214	Protective wire guard	1000/1500W	350x220		0.2	1/5
GW 84 221	Barn door shutter	500 W	300x340	Graphite grey	0.4	1/5
GW 84 222	Anti-glare louvre	1000/1500W	340x215	Graphite grey	0.6	1/5
GW 84 223	Spike	500 W	255x30		0.1	1/5



GW 88 202

### SPARE PARTS

Code	Description	Suitable for	Dimensions (mm)	Weight (kg)	Pack Carton
GW 88 202	Tempered glass	500 W	150x180	0.3	1/5
GW 88 223	Tempered glass	1000W	350x220	0.9	1/5
GW 88 203	Tempered glass	1500W	350x220	0.9	1/5

# Genius



## HIGH RESISTANCE TO ATMOSPHERIC AGENTS



The painting with thermosetting polyester powders, and the galvanised steel bracket painted in the same colour as the product, ensure not only optimum resistance to corrosion but also an attractive appearance of good quality.

## HIGH LEVEL OF ROBUSTNESS



The floodlights of the GENIUS range are extremely robust, and are therefore perfectly suitable for portable applications on construction sites.

## EASY ACCESSIBILITY



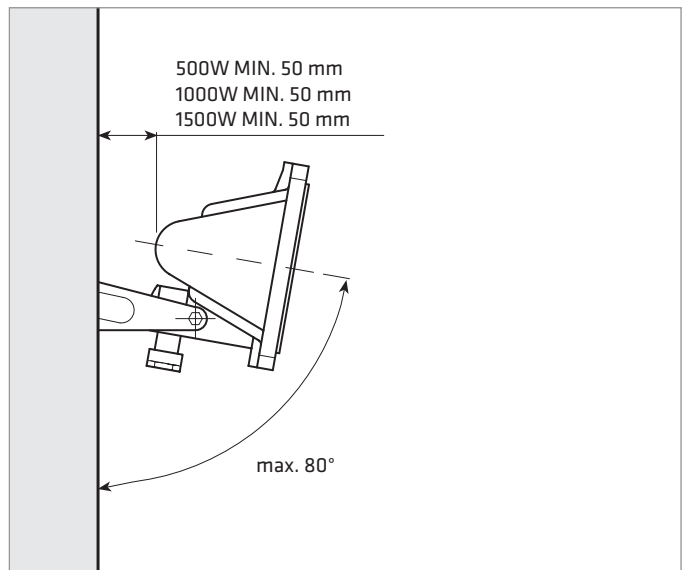
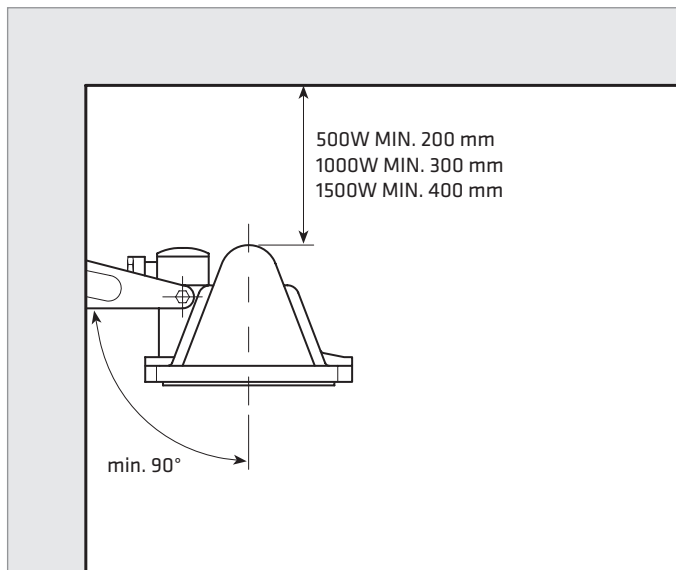
The external power supply compartment facilitates access to the cable gland and the power supply terminal.

## Technical characteristics

<b>INSTALLATION</b>	External / Internal (max 400 W)
<b>COLOUR</b>	Graphite grey / White
<b>MATERIALS</b>	
<b>Body</b>	Die-cast aluminium EN AB 46100
<b>Reflector</b>	Polished aluminium 99.8%
<b>Shield</b>	Flat glass 5 mm
<b>Bracket</b>	Painted galvanised steel

<b>DEGREE OF PROTECTION</b>	IP55
<b>IMPACT RESISTANCE</b>	IK10
<b>INSULATION CLASS</b>	I
<b>MARKS</b>	CE

FLOODLIGHTS



# Mercurio

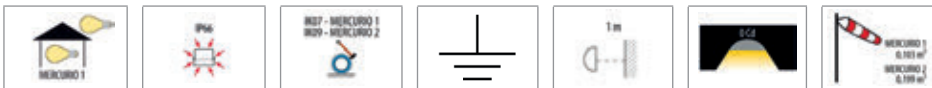
## Low and medium power aluminium floodlights

The outdoor floodlight in die-cast aluminium with low and medium power is distinguished for its wide selection of optics (symmetrical, asymmetrical, circular and street), and its compact design. Mercurio meets every design requirement and can be used in urban, industrial and sports contexts. The devices are also available in Hot Restrike versions.



Technical characteristics page 98

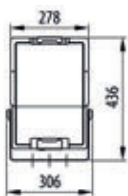
### MERCURIO 1



#### SYMMETRICAL OPTICS



GW 84 014 M



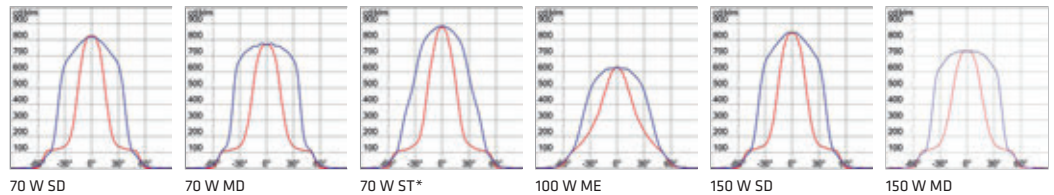
#### WIRED VERSIONS WITH P.F. CORRECTION COMPLETE WITH LAMP - IP66 - CLASS I



Code	Lamp power	Lamp supplied	Lamp holder	Lamp current	Colour	Weight (kg)	Pack Carton
<b>Voltage: 230 V - 50 Hz</b>							
GW 84 011 S	70 W	SD	RX7s	1 A	Graphite grey	5.6	1
GW 84 011 M	70 W	MD	RX7s	1 A	Graphite grey	5.6	1
GW 84 012 S	70 W	ST*	E27	1 A	Graphite grey	5.7	1
GW 84 013 M	100 W	ME	E27	1.1 A	Graphite grey	5.8	1
GW 84 014 S	150 W	SD	RX7s	1.8 A	Graphite grey	6.8	1
GW 84 014 M	150 W	MD	RX7s	1.8 A	Graphite grey	6.8	1
GW 84 015 S	70 W	SD	RX7s	1 A	Aluminium	5.6	1
GW 84 015 M	70 W	MD	RX7s	1 A	Aluminium	5.6	1
GW 84 016 S	70 W	ST*	E27	1 A	Aluminium	5.7	1
GW 84 017 M	100 W	ME	E27	1.1 A	Aluminium	5.8	1
GW 84 018 S	150 W	SD	RX7s	1.8 A	Aluminium	6.8	1
GW 84 018 M	150 W	MD	RX7s	1.8 A	Aluminium	6.8	1

\* Lamps without built-in ignitor.

#### Photometric distributions





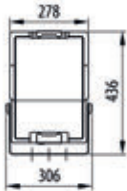
GW 84 081

**UNWIRED VERSIONS**



Code	Max lamp power	Lamp holder	Colour	Weight (kg)	Pack Carton
GW 84 081	150 W	RX7s	Graphite grey	4.2	1
GW 84 082	100 W	E27	Graphite grey	4.2	1
GW 84 083	150 W	RX7s	Aluminium	4.2	1
GW 84 084	100 W	E27	Aluminium	4.2	1

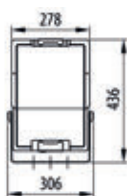
**ACCESSORIES SUPPLIED:** structural components: body, reflector and accessory-holding plate; Electrical components: lamp holder (RX7s version cables lamp included), terminal block. The devices are supplied with standards service items.



## ASYMMETRICAL OPTICS



GW 84 032 M

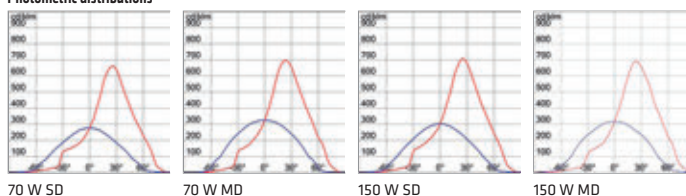


### WIRED VERSIONS WITH P.F. CORRECTION COMPLETE WITH LAMP - IP66 - CLASS I



Code	Lamp power	Lamp supplied	Lamp holder	Lamp current	Colour	Weight (kg)	Pack Carton
<b>Voltage: 230 V - 50 Hz</b>							
GW 84 031 S	70 W	SD	RX7s	1 A	Graphite grey	5.6	1
GW 84 031 M	70 W	MD	RX7s	1 A	Graphite grey	5.6	1
GW 84 032 S	150 W	SD	RX7s	1.8 A	Graphite grey	6.8	1
GW 84 032 M	150 W	MD	RX7s	1.8 A	Graphite grey	6.8	1
GW 84 033 S	70 W	SD	RX7s	1 A	Aluminium	5.6	1
GW 84 033 M	70 W	MD	RX7s	1 A	Aluminium	5.6	1
GW 84 034 S	150 W	SD	RX7s	1.8 A	Aluminium	6.8	1
GW 84 034 M	150 W	MD	RX7s	1.8 A	Aluminium	6.8	1

#### Photometric distributions



### UNWIRED VERSIONS

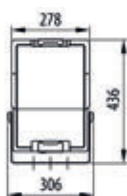


Code	Max lamp power	Lamp holder	Colour	Weight (kg)	Pack Carton
GW 84 085	150 W	RX7s	Graphite grey	4.2	1
GW 84 086	150 W	RX7s	Aluminium	4.2	1

**ACCESSORIES SUPPLIED:** structural components: body, reflector and accessory-holding plate; Electrical components: lamp holder with cables, terminal block. The devices are supplied with standards service items.



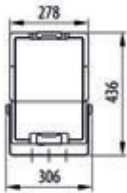
GW 84 085



**CIRCULAR OPTICS**



GW 84 042 M

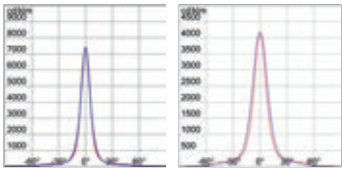


**WIRED VERSIONS WITH P.F. CORRECTION COMPLETE WITH LAMP - IP66 - CLASS I**



Code	Lamp power	Lamp supplied	Lamp holder	Lamp current	Colour	Weight (kg)	Pack Carton
<b>Voltage: 230 V - 50 Hz</b>							
GW 84 041 M	70 W	MD	RX7s	1 A	Graphite grey	5.6	1
GW 84 042 M	150 W	MD	RX7s	1.8 A	Graphite grey	6.8	1
GW 84 043 M	70 W	MD	RX7s	1 A	Aluminium	5.6	1
GW 84 044 M	150 W	MD	RX7s	1.8 A	Aluminium	6.8	1

**Photometric distributions**

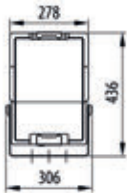


70 W MD

150 W MD



GW 84 087



**UNWIRED VERSIONS**



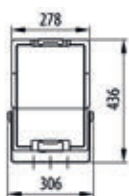
Code	Max lamp power	Lamp holder	Colour	Weight (kg)	Pack Carton
GW 84 087	150 W	RX7s	Graphite grey	4.2	1
GW 84 088	150 W	RX7s	Aluminium	4.2	1

**ACCESSORIES SUPPLIED:** structural components: body, reflector and accessory-holding plate; Electrical components: lamp holder with cables, terminal block. The devices are supplied with standards service items.

## STREET OPTICS



GW 84 053

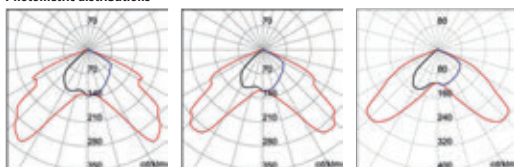


### WIRED VERSIONS WITH P.F. CORRECTION - IP66 - CLASS I



Code	Lamp power	Lamp	Lamp holder	Lamp current	Colour	Weight (kg)	Pack Carton
<b>Voltage: 230 V - 50 Hz</b>							
GW 84 051	35 W	MT	G12	0.5 A	Graphite grey	4.9	1
GW 84 052	70 W	MT	G12	1 A	Graphite grey	5.6	1
GW 84 053	150 W	MT	G12	1.8 A	Graphite grey	6.8	1
GW 84 054	35 W	MT	G12	0.5 A	Aluminium	4.9	1
GW 84 055	70 W	MT	G12	1 A	Aluminium	5.6	1
GW 84 056	150 W	MT	G12	1.8 A	Aluminium	6.8	1

#### Photometric distributions



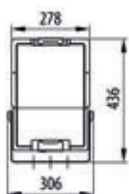
35 W MT

70 W MT

150 W MT



GW 84 057 S



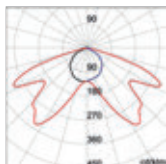
### WIRED VERSIONS WITH P.F. CORRECTION, COMPLETE WITH LAMP - IP66 - CLASS I



Code	Lamp power	Lamp supplied	Lamp holder	Lamp current	Colour	Weight (kg)	Pack Carton
<b>Voltage: 230 V - 50 Hz</b>							
GW 84 057 S	70 W	ST*	E27	1 A	Graphite grey	5.7	1

\* Lamps without built-in ignitor.

#### Photometric distributions

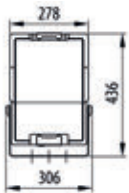


70 W ST\*





GW 84 089



**UNWIRED VERSIONS**

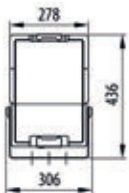


Code	Max lamp power	Lamp holder	Colour	Weight (kg)	Pack Carton
GW 84 089	150 W	G12	Graphite grey	4.2	1
GW 84 090	150 W	G12	Aluminium	4.2	1
GW 84 091	70 W	E27	Graphite grey	4.2	1

**ACCESSORIES SUPPLIED:** structural components: body, reflector and accessory-holding plate; Electrical components: lamp holder (G12 version cables lamp included), terminal block. The devices are supplied with standards service items.



GW 84 059

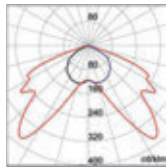


**WIRED VERSIONS - IP66 - CLASS I - ELECTRONIC POWER SUPPLY**



Code	Lamp power	Lamp	Lamp holder	Lamp current	Colour	Weight (kg)	Pack Carton
<b>Voltage: 220/240 V - 50/60 Hz</b>							
GW 84 059	90 W	MT	PGZ-12	0.97 A	Graphite grey	5	1

**Photometric distributions**



90 W MT

## POLES



GW 84 096

### STEEL CONICAL POLES

Code	Total length (m)	Planting (m)	Base diameter (mm)	Top diameter (mm)	Colour	Weight (kg)	Pack Carton
GW 84 096	5.5	0.5	115	60	Graphite grey	45	1
GW 87 591	6.8	0.8	128	60	Graphite grey	48	1
GW 84 097	7.8	0.8	138	60	Graphite grey	54	1
GW 87 592	8.8	0.8	148	60	Graphite grey	91	1
GW 87 593	9.8	0.8	158	60	Graphite grey	107	1

**NOTE:** painted poles in hot galvanised steel complete with a junction terminal block.

## BRACKETS



GW 84 080

### POLE HEAD BRACKETS Ø60

Code	Description	Colour	Weight (kg)	Pack Carton
GW 84 079	Single pole head bracket	Graphite grey	3.1	1
GW 84 080	Double pole head bracket	Graphite grey	5.8	1



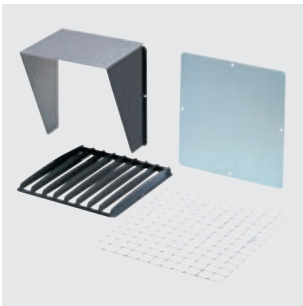
GW 84 077

### BRACKET

Code	Description	Colour	Weight (kg)	Pack Carton
GW 84 077	Bracket for pole/wall	Graphite grey	4.2	1

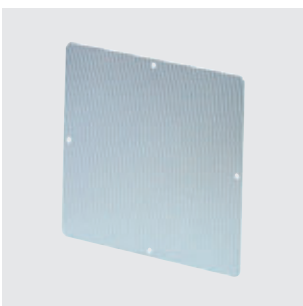
**NOTE:** for poles with a diameter from 60 to 75mm.

**COMPLEMENTARY ITEMS**



**OPTICAL COMPONENTS**

Code	Description	Colour	Pack Carton
<b>GW 84 072</b>	Visor	Smoke grey	1/2
<b>GW 84 073</b>	Rectangular anti-glare	Smoke grey	1/5
<b>GW 85 082</b>	Circular anti-glare	Black	1/5
<b>GW 84 075</b>	Protective wire guard	Smoke grey	1/5
<b>GW 84 076</b>	Barn door shutter	Smoke grey	1/5



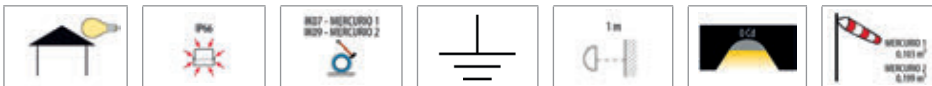
**SPARE PARTS**

Code	Description	Dimensions (mm)	Weight (kg)	Pack Carton
<b>GW 84 071</b>	Tempered glass for symm./asymm./circ. optic	239x360	1.1	1
<b>GW 84 078</b>	Tempered glass for street optic	239x360	1.1	1

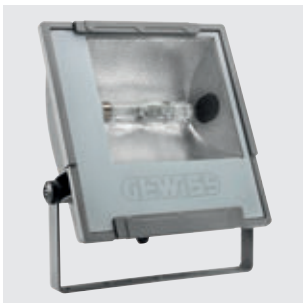
GW 84 071

# Mercurio

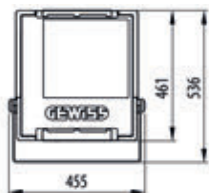
## MERCURIO 2



### SYMMETRICAL OPTIC



GW 85 403 S



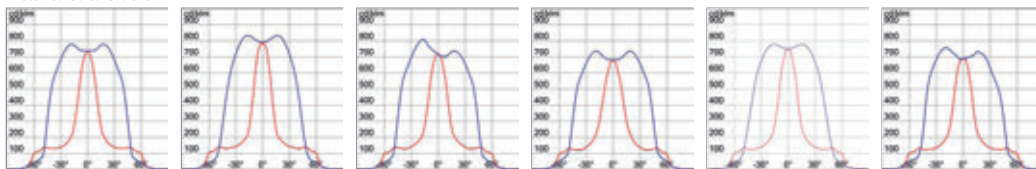
### WIRED VERSIONS WITH P.F. CORRECTION COMPLETE WITH LAMP - IP66 - CLASS I



Code	Lamp power	Lamp supplied	Lamp holder	Lamp current	Colour	Weight (kg)	Pack Carton
<b>Voltage: 230 V - 50 Hz</b>							
GW 85 401 M	250 W	MT	E40	3 A	Graphite grey	9.8	1
GW 85 401 S	250 W	ST	E40	3 A	Graphite grey	9.8	1
GW 85 402 M	250 W	MT*	E40	2.2 A	Graphite grey	9.8	1
GW 85 403 M	400 W	MT	E40	4.2 A	Graphite grey	11.7	1
GW 85 403 S	400 W	ST	E40	4.2 A	Graphite grey	11.7	1
GW 85 404 M	400 W	MT*	E40	3.4 A	Graphite grey	9.5	1

\* Lamp with striking voltage of 0.7 ÷ 1kV.

#### Photometric distributions



250 W MT

250 W ST

250 W MT\*

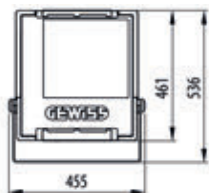
400 W MT

400 W ST

400 W MT\*



GW 85 491



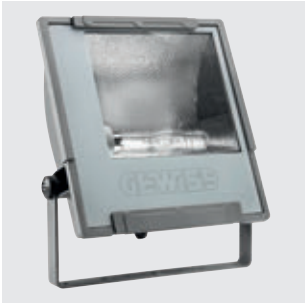
### UNWIRED VERSIONS



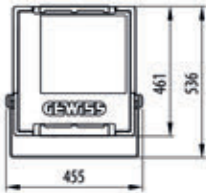
Code	Max lamp power	Lamp holder	Colour	Weight (kg)	Pack Carton
GW 85 491	400 W	E40	Graphite grey	6.7	1

**ACCESSORIES SUPPLIED:** structural components: body, reflector and accessory-holding plate; Electrical components: lamp holder with cables, terminal block. The devices are supplied with standards service items.

**ASYMMETRICAL OPTIC**



GW 85 423 S



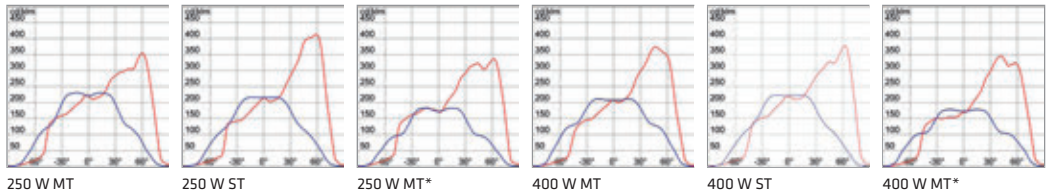
**WIRED VERSIONS WITH P.F. CORRECTION COMPLETE WITH LAMP - IP66 - CLASS I**



Code	Lamp power	Lamp supplied	Lamp holder	Lamp current	Colour	Weight (kg)	Pack Carton
<b>Voltage: 230 V - 50 Hz</b>							
GW 85 421 M	250 W	MT	E40	3 A	Graphite grey	9.8	1
GW 85 421 S	250 W	ST	E40	3 A	Graphite grey	9.8	1
GW 85 422 M	250 W	MT*	E40	2.2 A	Graphite grey	9.8	1
GW 85 423 M	400 W	MT	E40	4.2 A	Graphite grey	11.7	1
GW 85 423 S	400 W	ST	E40	4.2 A	Graphite grey	11.7	1
GW 85 424 M	400 W	MT*	E40	3.4 A	Graphite grey	9.5	1

\* Lamp with striking voltage of 0.7 + 1kV.

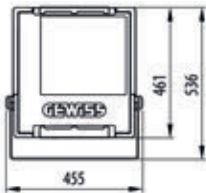
**Photometric distributions**



FLOODLIGHTS



GW 85 492



**UNWIRED VERSIONS**



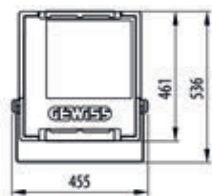
Code	Max lamp power	Lamp holder	Colour	Weight (kg)	Pack Carton
GW 85 492	400 W	E40	Graphite grey	6.7	1

**ACCESSORIES SUPPLIED:** structural components: body, reflector and accessory-holding plate; Electrical components: lamp holder with cables, terminal block. The devices are supplied with standards service items.

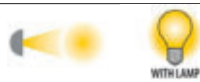
## CIRCULAR OPTIC



GW 85 442 M

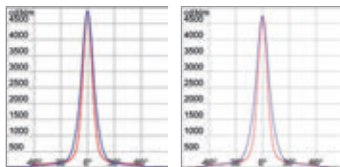


### WIRED VERSIONS WITH P.F. CORRECTION COMPLETE WITH LAMP - IP66 - CLASS I



Code	Lamp power	Lamp supplied	Lamp holder	Lamp current	Colour	Weight (kg)	Pack Carton
<b>Voltage: 230 V - 50 Hz</b>							
GW 85 441 M	250 W	MD	FC2	3 A	Graphite grey	9.8	1
GW 85 442 M	400 W	MD	FC2	4.1 A	Graphite grey	11.5	1

#### Photometric distributions

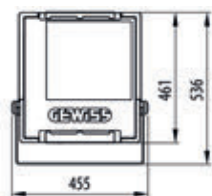


250 W MD

400 W MD



GW 85 493



### UNWIRED VERSIONS



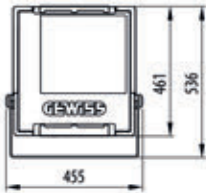
Code	Max lamp power	Lamp holder	Colour	Weight (kg)	Pack Carton
GW 85 493	400 W	FC2	Graphite grey	6.7	1

**ACCESSORIES SUPPLIED:** structural components: body, reflector and accessory-holding plate; Electrical components: lamp holder with cables, terminal block. The devices are supplied with standards service items.

**STREET OPTICS**



GW 85 452 M



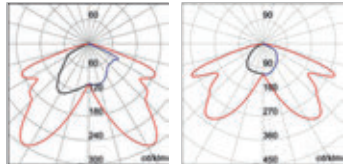
**WIRED VERSIONS WITH P.F. CORRECTION COMPLETE WITH LAMP - IP66 - CLASS I**



Code	Lamp power	Lamp supplied	Lamp holder	Lamp current	Colour	Weight (kg)	Pack Carton
<b>Voltage: 230 V - 50 Hz</b>							
GW 85 451 M	150 W	MT	E40	1.8 A	Graphite grey	8.7	1
GW 85 452 M	250 W	MT	E40	3 A	Graphite grey	10	1

NOTES: GW85452M use 250W MT lamps with a maximum length of 225mm.

**Photometric distributions**



150W MT

250 W MT

**UNWIRED VERSIONS**

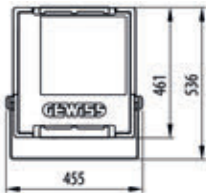


Code	Max lamp power	Lamp holder	Colour	Weight (kg)	Pack Carton
GW 85 494	250 W	E40	Graphite grey	6.7	1

ACCESSORIES SUPPLIED: structural components: body, reflector and accessory-holding plate; Electrical components: lamp holder with cables, terminal block. The devices are supplied with standards service items.

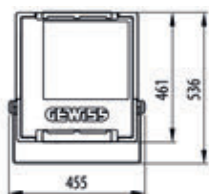


GW 85 494





GW 85 453

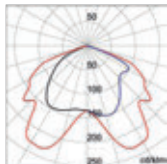


## WIRED VERSIONS - IP66 - CLASS I - ELECTRONIC POWER SUPPLY



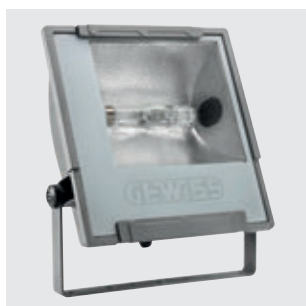
Code	Lamp power	Lamp holder	Lamp current	Colour	Weight (kg)	Pack Carton
<b>Voltage: 220/240 V - 50/60 Hz</b>						
GW 85 453	140 W	MT	1.49 A	Graphite grey	10	1

### Photometric distributions

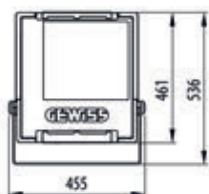


140 W MT

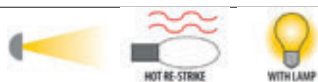
## SYMMETRICAL OPTIC - VERSION FOR HOT-RESTRIKE



GW 85 463 M

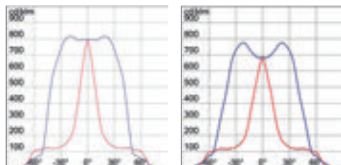


## WIRED VERSIONS WITH P.F. CORRECTION COMPLETE WITH LAMP - IP66 - CLASS I



Code	Lamp power	Lamp supplied	Lamp holder	Lamp current	Colour	Weight (kg)	Pack Carton
<b>Voltage: 230 V - 50 Hz</b>							
GW 85 463 M	250 W	MD	FC2	3 A	Graphite grey	8.4	1
GW 85 464 M	400 W	MD	FC2	4.2 A	Graphite grey	8.4	1

### Photometric distributions



250 W MD

400 W MD



**COMPLEMENTARY ITEMS**



**OPTICAL COMPONENTS**

Code	Description	Colour	Weight (kg)	Pack Carton
GW 85 481	Rectangular anti-glare	Smoke grey	0.5	1/5
GW 85 482	Protective wire guard		0.2	1/5



**SPARE PARTS**

Code	Description	Dimensions (mm)	Weight (kg)	Pack Carton
GW 85 483	Tempered glass for symmetric / asymmetric optics	400x420	2.5	1/4
GW 85 484	Tempered glass for circular optic	400x420	2.5	1/4
GW 85 485	Tempered glass for street optic	400x420	2.5	1/4

GW 85 483

# Mercurio



## URBAN SOLUTIONS



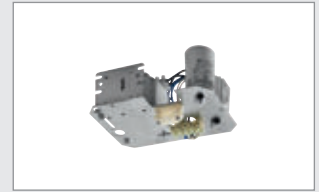
Can be used in an urban environment. The Mercurio 1 system includes single and double pole head brackets, brackets for intermediate application on poles, and painted steel poles.

## EASY INSTALLATION



Quick installation and maintenance made easier by the quick-release glass closure. The handle also has a screw that prevents tampering-


## FEED-THROUGH WIRING



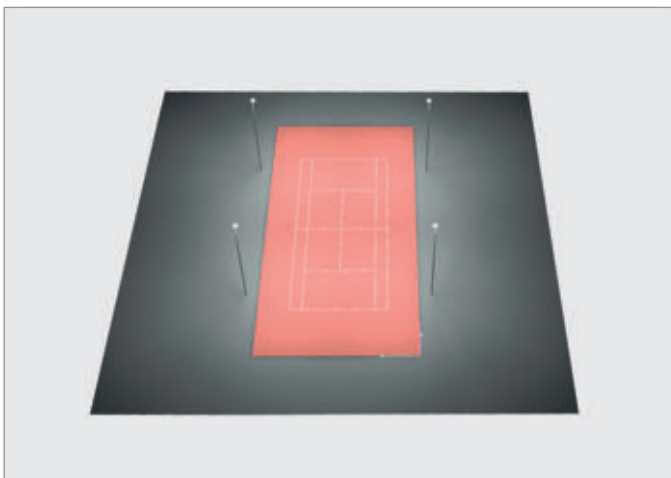
Feed-through wiring can be made between the floodlights, creating the electric junction directly from the terminal block. Implementation of the Mercurio 2 range in class 2 is possible.

## Technical characteristics

<b>INSTALLATION</b>	External / Internal (Mercurio 1)
<b>COLOUR</b>	Graphite grey or Aluminium grey
<b>MATERIALS</b>	
<b>Body</b>	Die-cast aluminium EN AB 46100
<b>Reflector</b>	Polished aluminium 99.85%
<b>Shield</b>	Flat glass 4 mm
<b>Bracket</b>	Painted galvanised steel

<b>DEGREE OF PROTECTION</b>	IP66
<b>IMPACT RESISTANCE</b>	IK10 (MERCURIO1) / IK09 (MERCURIO2)
<b>INSULATION CLASS</b>	I
<b>MARKS</b>	CE  DIN18032-3

### Project: outdoor tennis court



<b>Length [m]</b>	36
<b>Width [m]</b>	18
<b>Activity</b>	SPORT - outdoor tennis
<b>Class</b>	EN 12193
<b>Eave [lx]</b>	200
<b>Emin/Eave</b>	0.6

<b>Luminaire</b>	<b>GW85424M MERCURIO 2 400 W MT</b>
<b>Number of poles</b>	4
<b>Pole height</b>	12
<b>Number of floodlights</b>	16
<b>Number of floodlights per pole</b>	4
<b>Eave [lx]</b>	200
<b>Emin/Eave</b>	0.6

# Titano

## Medium and high power aluminium floodlights

Floodlight in die-cast aluminium for outdoor use. Medium power, with separate wiring and optical compartments. The front opening can be adjusted with manual clip hooks to facilitate installation and maintenance. Also available in versions that meet the requisites of the Atex directive.

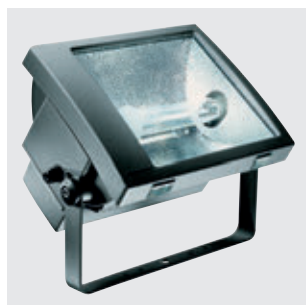


Technical characteristics page 107

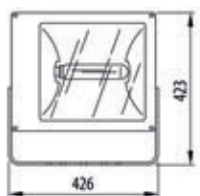
### TITANO



#### SYMMETRICAL DIFFUSED OPTICS



GW 84 460 S



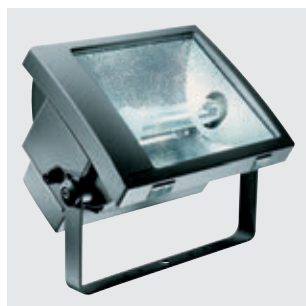
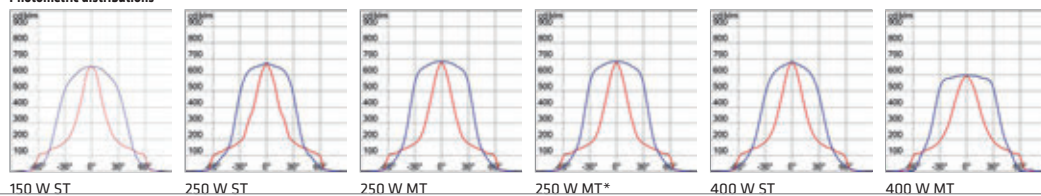
#### WIRED VERSIONS WITH P.F. CORRECTION COMPLETE WITH LAMP - IP66 - CLASS I



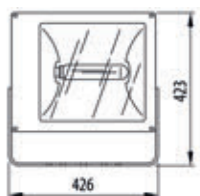
Code	Lamp power	Lamp supplied	Lamp holder	Lamp current	Colour	Weight (kg)	Pack Carton
<b>Voltage: 230 V - 50 Hz</b>							
GW 84 460 S	150 W	ST	E40	1.8 A	Graphite grey	10.1	1
GW 84 461 S	250 W	ST	E40	3 A	Graphite grey	10.8	1
GW 84 461 M	250 W	MT	E40	3 A	Graphite grey	10.8	1
GW 84 465 M	250 W	MT*	E40	2.2 A	Graphite grey	10	1
GW 84 464 S	400 W	ST	E40	4.2 A	Graphite grey	12.2	1
GW 84 464 M	400 W	MT	E40	4.2 A	Graphite grey	12.2	1
GW 84 466 M	400 W	MT*	E40	3.4 A	Graphite grey	10.7	1

\* Lamp with striking voltage of 0.7 ÷ 1kV.

#### Photometric distributions



GW 84 433



#### UNWIRED VERSION



Code	Max lamp power	Lamp holder	Colour	Weight (kg)	Pack Carton
GW 84 433	400 W	E40	Graphite grey	7.7	1

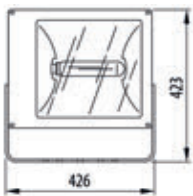
ACCESSORIES SUPPLIED: structural components: reflector, accessory-holding plate.

Electrical components: lampholder with cables, terminal block. The devices are supplied with standard service items.

# Titano



GW 84 467



## WIRED VERSIONS - IP66 - CLASS I

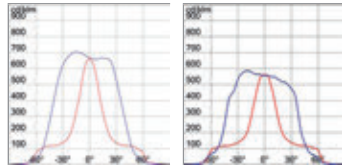


Code	Lamp power	Lamp	Lamp holder	Lamp current	Colour	Weight (kg)	Pack Carton
GW 84 467	600 W	ST	E40	6.2 A	Graphite grey	9	1
GW 84 468	1000 W	MT	E40	9.5 A	Graphite grey	9	1

NOTES: to be used with the relative supply unit.

GW84468: use 1000W MT lamps with a maximum length of 345mm.

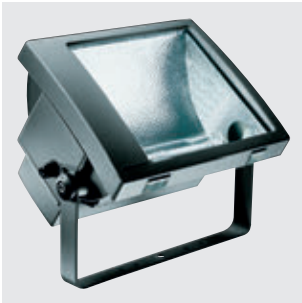
### Photometric distributions



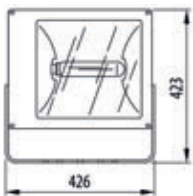
600 W ST

1000 W MT

## ASYMMETRICAL DIFFUSED OPTICS



GW 84 491 S



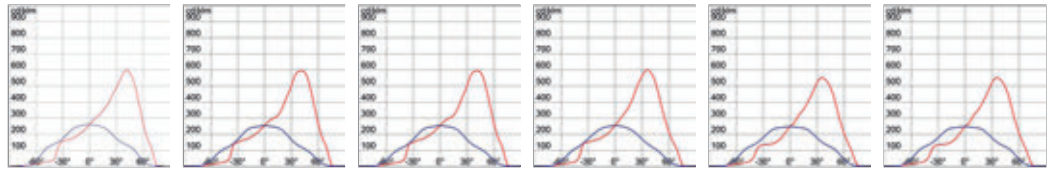
## WIRED VERSIONS WITH P.F. CORRECTION COMPLETE WITH LAMP - IP66 - CLASS I



Code	Lamp power	Lamp supplied	Lamp holder	Lamp current	Colour	Weight (kg)	Pack Carton
<b>Voltage: 230 V - 50 Hz</b>							
GW 84 491 S	250 W	ST	E40	3 A	Graphite grey	10.8	1
GW 84 491 M	250 W	MT	E40	3 A	Graphite grey	10.8	1
GW 84 495 M	250 W	MT*	E40	2.2 A	Graphite grey	10	1
GW 84 494 S	400 W	ST	E40	4.2 A	Graphite grey	12.2	1
GW 84 494 M	400 W	MT	E40	4.2 A	Graphite grey	12.2	1
GW 84 496 M	400 W	MT*	E40	3.4 A	Graphite grey	10.7	1

\* Lamp with striking voltage of 0.7 ÷ 1kV.

### Photometric distributions



250 W ST

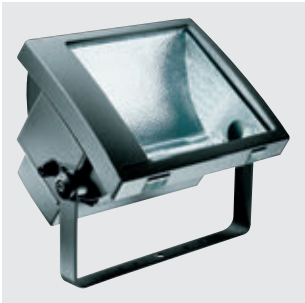
250 W MT

250 W MT\*

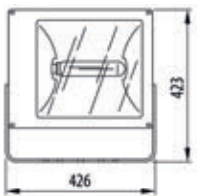
400 W ST

400 W MT

400 W MT\*



GW 84 497



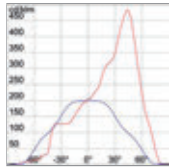
**WIRED VERSIONS - IP66 - CLASS I**



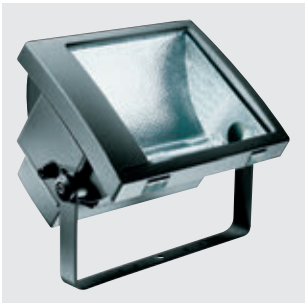
Code	Lamp power	Lamp	Lamp holder	Lamp current	Colour	Weight (kg)	Pack Carton
GW 84 497	600 W	ST	E40	6.2 A	Graphite grey	9	1

NOTES: to be used with the relative supply unit.

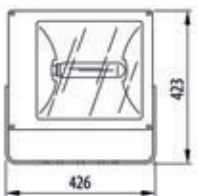
**Photometric distributions**



600 W ST



GW 84 434



**UNWIRED VERSION**



Code	Max lamp power	Lamp holder	Colour	Weight (kg)	Pack Carton
GW 84 434	400 W	E40	Graphite grey	7.7	1

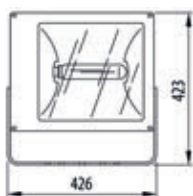
ACCESSORIES SUPPLIED: structural components: reflector, accessory-holding plate.

Electrical components: lampholder with cables, terminal block. The devices are supplied with standard service items.

## SYMMETRICAL RESTRICTED BEAM OPTICS



GW 84 520 S



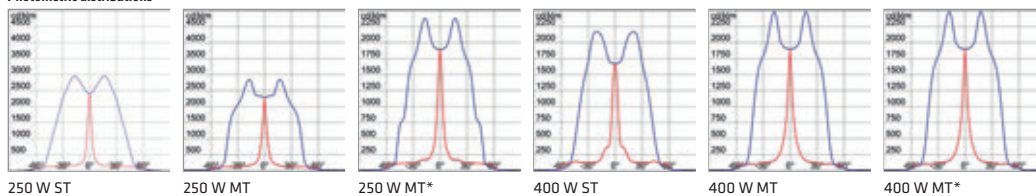
### WIRED VERSIONS WITH P.F. CORRECTION COMPLETE WITH LAMP - IP66 - CLASS I



Code	Lamp power	Lamp supplied	Lamp holder	Lamp current	Colour	Weight (kg)	Pack Carton
<b>Voltage: 230 V - 50 Hz</b>							
GW 84 520 S	250 W	ST	E40	3 A	Graphite grey	10.8	1
GW 84 520 M	250 W	MT	E40	3 A	Graphite grey	10.8	1
GW 84 521 M	250 W	MT*	E40	2.2 A	Graphite grey	10	1
GW 84 522 S	400 W	ST	E40	4.2 A	Graphite grey	12.2	1
GW 84 522 M	400 W	MT	E40	4.2 A	Graphite grey	12.2	1
GW 84 523 M	400 W	MT*	E40	3.4 A	Graphite grey	10.7	1

\* Lamp with striking voltage of 0.7 + 1kV.

#### Photometric distributions



250 W ST

250 W MT

250 W MT\*

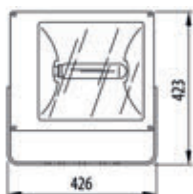
400 W ST

400 W MT

400 W MT\*



GW 84 435



### UNWIRED VERSION



Code	Max lamp power	Lamp holder	Colour	Weight (kg)	Pack Carton
GW 84 435	400 W	E40	Graphite grey	7.7	1

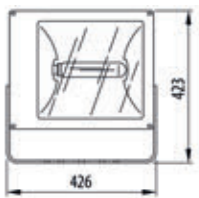
**ACCESSORIES SUPPLIED:** structural components: reflector, accessory-holding plate.

Electrical components: lampholder with cables, terminal block. The devices are supplied with standard service items.

**ASYMMETRICAL RESTRICTED BEAM OPTICS**



GW 84 551 S



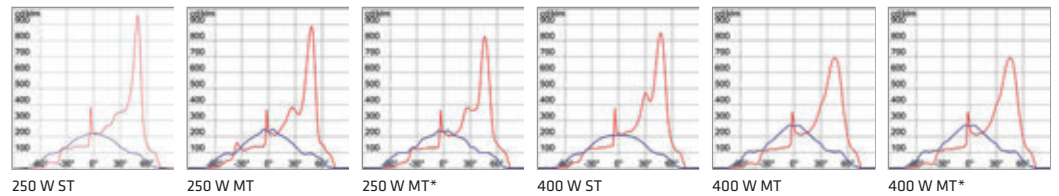
**WIRED VERSIONS WITH P.F. CORRECTION COMPLETE WITH LAMP - IP66 - CLASS I**



Code	Lamp power	Lamp supplied	Lamp holder	Lamp current	Colour	Weight (kg)	Pack Carton
<b>Voltage: 230 V - 50 Hz</b>							
GW 84 551 S	250 W	ST	E40	3 A	Graphite grey	10.8	1
GW 84 551 M	250 W	MT	E40	3 A	Graphite grey	10.8	1
GW 84 552 M	250 W	MT*	E40	2.2 A	Graphite grey	10	1
GW 84 553 S	400 W	ST	E40	4.2 A	Graphite grey	12.2	1
GW 84 553 M	400 W	MT	E40	4.2 A	Graphite grey	12.2	1
GW 84 554 M	400 W	MT*	E40	3.4 A	Graphite grey	10.7	1

\* Lamp with striking voltage of 0.7 + 1kV.

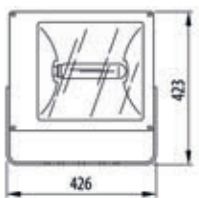
**Photometric distributions**



FLOODLIGHTS



GW 84 436



**UNWIRED VERSION**

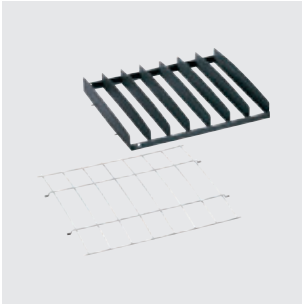


Code	Max lamp power	Lamp holder	Colour	Weight (kg)	Pack Carton
GW 84 436	400 W	E40	Graphite grey	7.7	1

**ACCESSORIES SUPPLIED:** structural components: reflector, accessory-holding plate.

Electrical components: lampholder with cables, terminal block. The devices are supplied with standard service items.

## COMPLEMENTARY ITEMS



### OPTICAL COMPONENTS

Code	Description	Colour	Dimensions (mm)	Weight (kg)	Pack Carton
GW 84 407	Protective wire guard		310x270	0.2	1/5
GW 84 408	Anti-glare louvre	Graphite grey	300x270	0.9	1/5



### OPTIC AIMING DEVICE

Code	Material	Pack Carton
GW 84 783	Galvanised steel	1

GW 84 783



### SUPPLY UNIT - IP66 - CLASS I

Code	Lamp power	Lamp	Lamp current	Voltage	Weight (kg)	Pack Carton
GW 84 611	600 W	ST	6.2 A	230 V - 50 Hz	10.6	1
GW 84 612	600 W	ST	6.2 A	240 V - 50 Hz	10.6	1
GW 84 613	600 W	ST	6.2 A	220 V - 60 Hz	10.6	1
GW 84 616	1000 W	MT/MN/ST	9.5-10.3 A	230 V - 50 Hz	13.7	1
GW 84 617	1000 W	MT/MN/ST	9.5-10.3 A	240 V - 50 Hz	13.7	1
GW 84 618	1000 W	MT/MN/ST	9.5-10.3 A	220 V - 60 Hz	13.7	1

GW 84 611



### SUPPLY UNIT - IP20 - CLASS I

Code	Lamp power	Lamp	Lamp current	Voltage	Weight (kg)	Pack Carton
GW 84 636	600 W	ST	6.2 A	230 V - 50 Hz	8.4	1
GW 84 637	1000 W	MT/MN/ST	9.5-10.3 A	230 V - 50 Hz	11.5	1

GW 84 637





GW 88 284

**SPARE PARTS**

Code	Description	Type	Dimensions (mm)	Weight (kg)	Pack Carton
<b>GW 88 284</b>	Tempered transparent glass	For frame with slots or hooks	390x307x5	1.4	1/5
<b>GW 88 260</b>	Tempered transparent glass	For frame Without slots	390x301x5	1.4	1/5

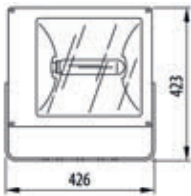
## ATEX VERSION - ZONE 2 (G) - ZONE 22 (D)



### SYMMETRICAL DIFFUSED OPTICS



GW 84 581 S



### WIRED VERSIONS WITH P.F. CORRECTION COMPLETE WITH LAMP - IP66 - CLASS I



Code	Lamp power	Lamp supplied	Lamp holder	Lamp current	Colour	Weight (kg)	Pack Carton
<b>Voltage: 230 V - 50 Hz</b>							
GW 84 581 S	250 W	ST	E40	3 A	Graphite grey	10.8	1
GW 84 581 M	250 W	MT	E40	3 A	Graphite grey	10.8	1
GW 84 582 M	250 W	MT*	E40	2.2 A	Graphite grey	10	1
GW 84 583 S	400 W	ST	E40	4.2 A	Graphite grey	12.2	1
GW 84 583 M	400 W	MT	E40	4.2 A	Graphite grey	12.2	1
GW 84 584 M	400 W	MT*	E40	3.4 A	Graphite grey	10.7	1

\* Lamp with striking voltage of 0.7 ÷ 1kV.

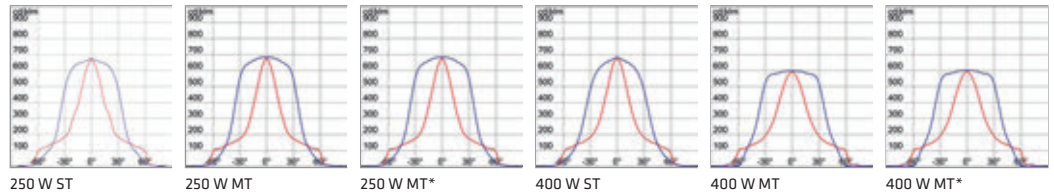
ATEX classification: Group II Category 3 GD.

Gas protection mode: nR.

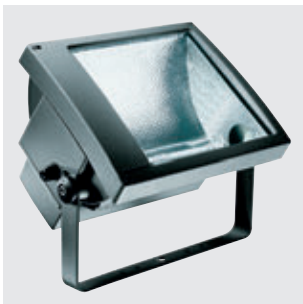
Dust protection mode: tc.

Ambient temperature: -20°C Glt;= Ta Glt;= +25°C.

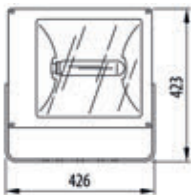
#### Photometric distributions



### ASYMMETRICAL DIFFUSED OPTICS



GW 84 591 S



### WIRED VERSIONS WITH P.F. CORRECTION COMPLETE WITH LAMP - IP66 - CLASS I



Code	Lamp power	Lamp supplied	Lamp holder	Lamp current	Colour	Weight (kg)	Pack Carton
<b>Voltage: 230 V - 50 Hz</b>							
GW 84 591 S	250 W	ST	E40	3 A	Graphite grey	10.8	1
GW 84 591 M	250 W	MT	E40	3 A	Graphite grey	10.8	1
GW 84 592 M	250 W	MT*	E40	2.2 A	Graphite grey	10	1
GW 84 593 S	400 W	ST	E40	4.2 A	Graphite grey	12.2	1
GW 84 593 M	400 W	MT	E40	4.2 A	Graphite grey	12.2	1
GW 84 594 M	400 W	MT*	E40	3.4 A	Graphite grey	10.7	1

\* Lamp with striking voltage of 0.7 ÷ 1kV.

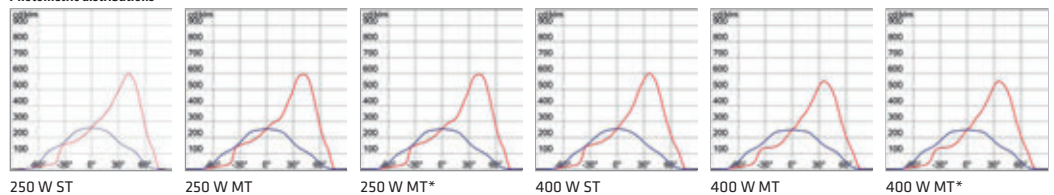
ATEX classification: Group II Category 3 GD.

Gas protection mode: nR.

Dust protection mode: tc.

Ambient temperature: -20°C Glt;= Ta Glt;= +25°C.

#### Photometric distributions



# Titano



## ATEX



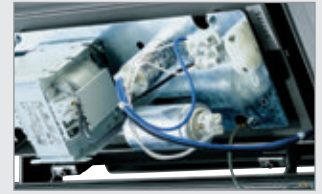
The TITANO range is completed with the ATEX versions, that can be installed in environments classified: Zone 2 (G) - Zone 22 (D).

## QUICK OPENING



The front is opened with 4 stainless steel hooks that can be opened manually without the use of tools. The bottom hooks are with hinge to support the frame when opened.


## SAFETY



The versions with 250 W and 400 W power are equipped with explosion-proof capacitors. These guarantee the absolute electrical safety during use, and the complete protection of the electrical components and lamp.

## Technical characteristics

<b>INSTALLATION</b>	External
<b>COLOUR</b>	Graphite grey
<b>MATERIALS</b>	
<b>Body</b>	Die-cast aluminium EN AB 46100
<b>Reflector</b>	Polished aluminium 99.85%
<b>Shield</b>	Flat glass 5 mm
<b>Bracket</b>	Painted galvanised steel

<b>DEGREE OF PROTECTION</b>	IP66
<b>IMPACT RESISTANCE</b>	IK10
<b>INSULATION CLASS</b>	I
<b>MARKS</b>	CE  DIN18032-3

## Technical solutions

### Project: 5-a-side football pitch



<b>Length [m]</b>	40
<b>Width [m]</b>	20
<b>Activity</b>	SPORT - 5-a-side football
<b>Class</b>	EN 12193
<b>Eave [lx]</b>	200
<b>Emin/Eave</b>	0.6

<b>Luminaire</b>	<b>GW84494M TITANO Standard version - 400 W MT</b>
<b>Number of poles</b>	4
<b>Pole height</b>	12
<b>Number of floodlights</b>	16
<b>Number of floodlights per pole</b>	4
<b>Eave [lx]</b>	200
<b>Emin/Eave</b>	0.6

# Colosseum

## High power aluminium floodlights

A high-power (up to 2000W) floodlight in die-cast aluminium treated with trivalent passivation and painted with polyester powders. Colosseum comes with a selection of optics: symmetrical diffused, symmetrical restricted and asymmetrical. In addition, it is fitted with an anti-condensation device made of Gore-Tex to compensate the internal pressure.



Technical characteristics page 116

## COLOSSEUM



### SYMMETRICAL DIFFUSED OPTICS



GW 84 647

#### WIRED VERSIONS - IP66 - CLASS I



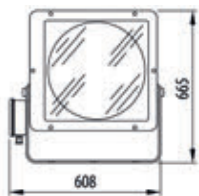
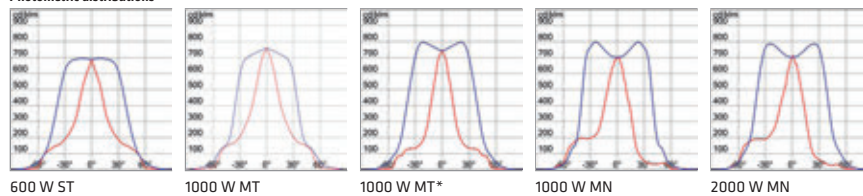
Code	Lamp power	Lamp	Lamp holder	Lamp current	Colour	Weight (kg)	Pack Carton
GW 84 646	600 W	ST	E40	6.2 A	Graphite grey	16	1
GW 84 647	1000 W	MT/ST	E40	9.5-10.3 A	Graphite grey	16	1
GW 84 648	1000 W	MT*	E40	8.25 A	Graphite grey	15.7	1
GW 84 649	1000 W	MN	X528/CABLE	9.5 A	Graphite grey	16.4	1
GW 84 644	2000 W	MN	X528/CABLE	10.3 A	Graphite grey	16.4	1

\* Lamp with striking voltage of 0.7 + 1kV.

ACCESSORIES SUPPLIED: ignitor.

NOTES: to be used with the relative supply unit. GW84649 and GW84644 suitable for long-arc HID lamp.

#### Photometric distributions



GW 84 693

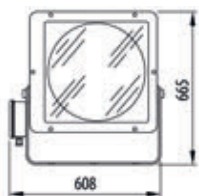
#### UNWIRED VERSION



Code	Max lamp power	Lamp holder	Colour	Weight (kg)	Pack Carton
GW 84 693	1000 W	E40	Graphite grey	15.6	1

ACCESSORIES SUPPLIED: structural components: reflector, accessory-holding plate.

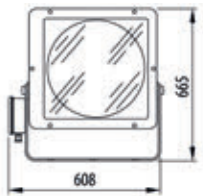
Electrical components: lampholder with cables, terminal block. The devices are supplied with standard service items.



**ASYMMETRICAL DIFFUSED OPTICS**



GW 84 659



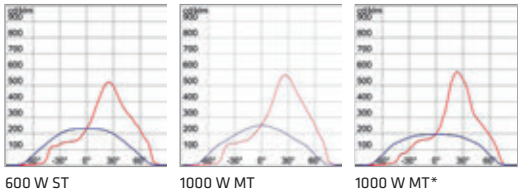
**WIRED VERSIONS - IP66 - CLASS I**



Code	Lamp power	Lamp	Lamp holder	Lamp current	Colour	Weight (kg)	Pack Carton
GW 84 658	600 W	ST	E40	6.2 A	Graphite grey	16	1
GW 84 659	1000 W	MT/ST	E40	9.5-10.3 A	Graphite grey	16	1
GW 84 660	1000 W	MT*	E40	8.25 A	Graphite grey	15.7	1

\* Lamp with striking voltage of 0.7 ÷ 1kV.  
**ACCESSORIES SUPPLIED:** ignitor.  
**NOTES:** to be used with the relative supply unit.

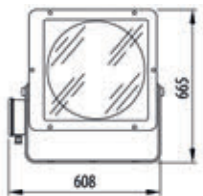
**Photometric distributions**



600 W ST      1000 W MT      1000 W MT\*



GW 84 694



**UNWIRED VERSION**



Code	Max lamp power	Lamp holder	Colour	Weight (kg)	Pack Carton
GW 84 694	1000 W	E40	Graphite grey	15.6	1

**ACCESSORIES SUPPLIED:** structural components: reflector, accessory-holding plate.  
 Electrical components: lampholder with cables, terminal block. The devices are supplied with standard service items.

# Colosseum

## SYMMETRICAL RESTRICTED BEAM OPTICS



GW 84 747

### WIRED VERSIONS - IP66 - CLASS I



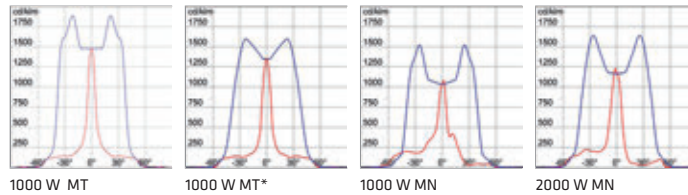
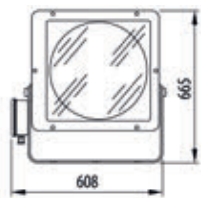
Code	Lamp power	Lamp	Lamp holder	Lamp current	Colour	Weight (kg)	Pack Carton
GW 84 747	1000 W	MT/ST	E40	9.5-10.3 A	Graphite grey	16	1
GW 84 748	1000 W	MT*	E40	8.25 A	Graphite grey	15.7	1
GW 84 749	1000 W	MN	X528/CABLE	9.5 A	Graphite grey	16.4	1
GW 84 744	2000 W	MN	X528/CABLE	10.3 A	Graphite grey	16.4	1

\* Lamp with striking voltage of 0.7 ÷ 1kV.

ACCESSORIES SUPPLIED: ignitor.

NOTES: to be used with the relative supply unit. GW84749 and GW84744 suitable for long- arc HID lamp.

#### Photometric distributions



1000 W MT

1000 W MT\*

1000 W MN

2000 W MN



GW 84 695

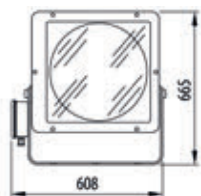
### UNWIRED VERSION



Code	Max lamp power	Lamp holder	Colour	Weight (kg)	Pack Carton
GW 84 695	1000 W	E40	Graphite grey	15.6	1

ACCESSORIES SUPPLIED: structural components: reflector, accessory-holding plate.

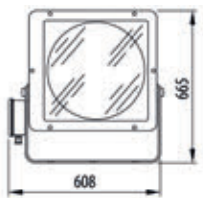
Electrical components: lampholder with cables, terminal block. The devices are supplied with standard service items.



**ASYMMETRICAL RESTRICTED BEAM OPTICS**



GW 84 759



**WIRED VERSIONS - IP66 - CLASS I**



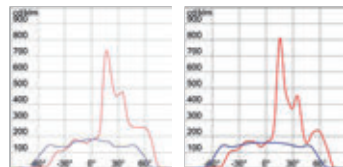
Code	Lamp power	Lamp	Lamp holder	Lamp current	Colour	Weight (kg)	Pack Carton
GW 84 759	1000 W	MT/ST	E40	9.5-10.3 A	Graphite grey	16	1
GW 84 760	1000 W	MT*	E40	8.25 A	Graphite grey	15.7	1

\* Lamp with striking voltage of 0.7 ÷ 1kV.

**ACCESSORIES SUPPLIED:** ignitor.

**NOTES:** to be used with the relative supply unit.

**Photometric distributions**

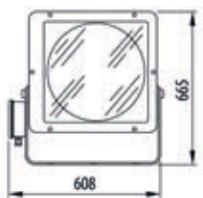


1000 W MT

1000 W MT\*



GW 84 696



**UNWIRED VERSION**



Code	Max lamp power	Lamp holder	Colour	Weight (kg)	Pack Carton
GW 84 696	1000 W	E40	Graphite grey	15.6	1

**ACCESSORIES SUPPLIED:** structural components: reflector, accessory-holding plate.

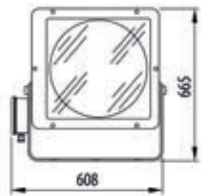
Electrical components: lampholder with cables, terminal block. The devices are supplied with standard service items.

# Colosseum

## CIRCULAR OPTICS



GW 84 657



### WIRED VERSIONS - IP66 - CLASS I

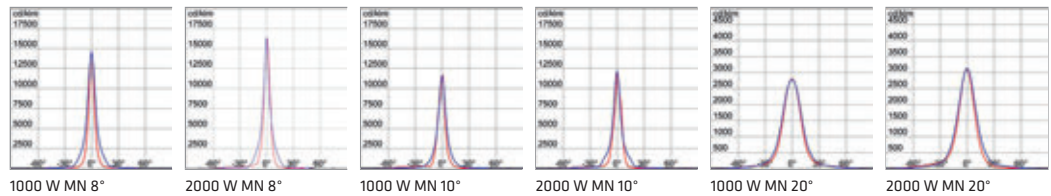


Code	Lamp power	Lamp	Lamp holder	Lamp current	Colour	Weight (kg)	Pack Carton
<b>Beam: Restricted - 8°</b>							
GW 84 656	1000 W	MN	K12s/Cable	9.6 A	Graphite grey	16	1
GW 84 657	2000 W	MN	K12s/Cable	11.3 A	Graphite grey	16	1
<b>Beam: Medium - 10°</b>							
GW 84 754	1000 W	MN	K12s/Cable	9.6 A	Graphite grey	16	1
GW 84 755	2000 W	MN	K12s/Cable	11.3 A	Graphite grey	16	1
<b>Beam: Diffused - 20°</b>							
GW 84 756	1000 W	MN	K12s/Cable	9.6 A	Graphite grey	16	1
GW 84 757	2000 W	MN	K12s/Cable	11.3 A	Graphite grey	16	1

ACCESSORIES SUPPLIED: ignitor.

NOTES: to be used with the relative supply unit. To be used for angles between 0 and 120°. Versions for short-arc discharge lamps.

#### Photometric distributions





COMPLEMENTARY ITEMS



GW 84 611

**SUPPLY UNIT - IP66 - CLASS I**

Code	Lamp power	Lamp	Lamp current	Voltage	Weight (kg)	Pack Carton
GW 84 611	600 W	ST	6.2 A	230 V - 50 Hz	10.6	1
GW 84 612	600 W	ST	6.2 A	240 V - 50 Hz	10.6	1
GW 84 613	600 W	ST	6.2 A	220 V - 60 Hz	10.6	1
GW 84 616	1000 W	MT/MN/ST	9.5-10.3 A	230 V - 50 Hz	13.7	1
GW 84 617	1000 W	MT/MN/ST	9.5-10.3 A	240 V - 50 Hz	13.7	1
GW 84 618	1000 W	MT/MN/ST	9.5-10.3 A	220 V - 60 Hz	13.7	1
GW 84 627	1000 W	MT	8.25 A	230 V - 50 Hz	11	1
GW 84 628	1000 W	MT	8.25 A	240 V - 50 Hz	11	1
GW 84 629	1000 W	MT	8.25 A	220 V - 60 Hz	11	1
GW 84 621	2000 W	MT/MN	9.8-11.3 A	400 V - 50 Hz	18.5	1
GW 84 622	2000 W	MT/MN	9.8-11.3 A	415 V - 50 Hz	18.5	1
GW 84 623	2000 W	MT/MN	9.8-11.3 A	380 V - 60 Hz	18.5	1



GW 84 626

**UNWIRED SUPPLY UNIT - IP66**

Code	Description	Weight (kg)	Pack Carton
GW 84 626	Unwired box	4.2	1

NOTES: the unwired box is supplied with accessory-holding plate and standard service items.



GW 84 639

**SUPPLY UNIT - IP20 - CLASS I**

Code	Lamp power	Lamp	Lamp current	Voltage	Weight (kg)	Pack Carton
GW 84 636	600 W	ST	6.2 A	230 V - 50 Hz	8.4	1
GW 84 637	1000 W	MT/MN/ST	9.5-10.3 A	230 V - 50 Hz	11.5	1
GW 84 638	1000 W	MT	8.25 A	230 V - 50 Hz	8.8	1
GW 84 639	2000 W	MT/MN	9.8-11.3 A	400 V - 50 Hz	16.3	1

# Colosseum

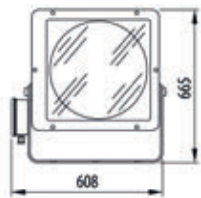
## HOT RE-STRIKE



### CIRCULAR OPTICS



GW 84 761



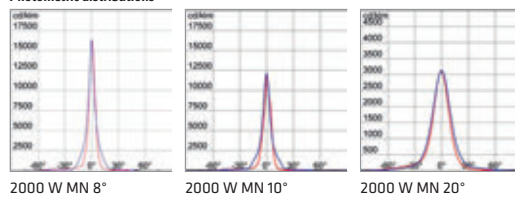
### WIRED VERSIONS - HOT RE-STRIKE - IP66 - CLASS I



Code	Lamp power	Lamp	Lamp holder	Lamp current	Beam	Colour	Weight (kg)	Pack Carton
GW 84 761	2000 W	MN	K12s/Cable	11.3 A	Restricted - 8°	Graphite grey	16.5	1
GW 84 766	2000 W	MN	K12s/Cable	11.3 A	Medium - 10°	Graphite grey	16.5	1
GW 84 771	2000 W	MN	K12s/Cable	11.3 A	Diffused - 20°	Graphite grey	16.5	1

NOTES: to be used with the relative supply unit. To be used for angles between 0 and 120°. Versions for short-arc discharge lamps.

#### Photometric distributions



2000 W MN 8°

2000 W MN 10°

2000 W MN 20°

## COMPLEMENTARY ITEMS



GW 84 624

### SUPPLY UNIT - IP66 - CLASS I



Code	Lamp power	Lamp	Lamp current	Voltage	Weight (kg)	Pack Carton
GW 84 624	2000 W	MN	11.3 A	380 / 415 V - 50 Hz	25.2	1

NOTES: power supply unit supplied with a 5m high voltage cable.

**COLOSSEUM RANGE COMMON ARTICLES**



**COMPLEMENTARY ITEMS**



GW 84 781

**OPTICAL COMPONENTS**

Code	Description	Colour	Weight (kg)	Pack Carton
GW 84 781	Visor	Matt black	4.1	1



GW 84 783

**OPTIC AIMING DEVICE**

Code	Material	Pack Carton
GW 84 783	Galvanised steel	1



GW 88 261

**SPARE PARTS**

Code	Description	Dimensions (mm)	Weight (kg)	Pack Carton
GW 88 261	Tempered transparent glass	468x439x4	2.1	1/2
GW 88 285	Tempered diffused glass	468x439x4	2.1	1/2

GW88285: spare part for diffused beam floodlights GW84756, GW84757 and GW84771.

# Colosseum



## SEPARATE OPENINGS



The front or rear opening, adjusted with unlosable stainless steel screws, makes it possible not to change the pointing of the device during maintenance operations.

## BREATHER DEVICE



The goniometer incorporates a special breather mechanism that lets the floodlight compensate the internal pressure and therefore prevents condensation build-up.


## HOT RESTRIKE



The hot re-ignition version of COLOSSEUM consists of a special supply unit and a dedicated floodlight to guarantee the hot re-ignition of the 2000W metal halides discharge lamp.

## Technical characteristics

<b>INSTALLATION</b>	External
<b>COLOUR</b>	Graphite grey
<b>MATERIALS</b>	
<b>Body</b>	Die-cast aluminium EN AB 46100
<b>Reflector</b>	Polished aluminium 99.85%
<b>Shield</b>	Flat glass 4 mm
<b>Bracket</b>	Painted galvanised steel

<b>DEGREE OF PROTECTION</b>	IP66
<b>IMPACT RESISTANCE</b>	IK09
<b>INSULATION CLASS</b>	I
<b>MARKS</b>	CE  DIN18032-3

## Technical solutions

### Project: 11-a-side football pitch



<b>Length [m]</b>	105
<b>Width [m]</b>	65
<b>Activity</b>	SPORT - 11-a-side football
<b>Class</b>	EN 12193
<b>Eave [lx]</b>	75
<b>Emin/Eave</b>	0.5
<b>Luminaire</b>	<b>GW84757 COLOSSEUM</b> Traditional wiring 2000 W MN cable - 20°
<b>Number of poles</b>	4
<b>Pole height</b>	25
<b>Number of floodlights</b>	8
<b>Number of floodlights per pole</b>	2
<b>Eave [lx]</b>	108
<b>Emin/Eave</b>	0.55

# Stadium

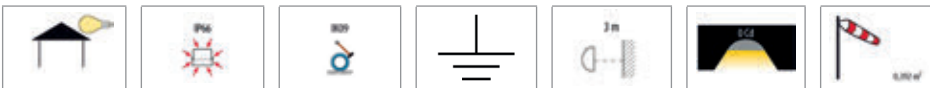
## High power aluminium floodlights

High-power outdoor floodlight (2000W) for lighting large areas. Stadium comes with a choice of optics: diffused symmetrical, restricted symmetrical and asymmetrical. Lamp changes are easy thanks to the separate hinged opening on the product body.

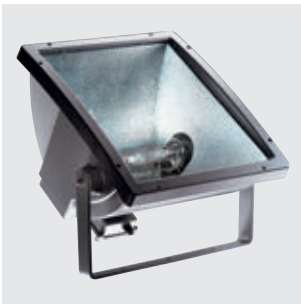


Technical characteristics page 120

### STADIUM



#### SYMMETRICAL DIFFUSED OPTICS



GW 84 662

#### WIRED VERSIONS - IP66 - CLASS I



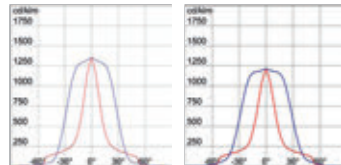
Code	Lamp power	Lamp	Lamp holder	Lamp current	Colour	Weight (kg)	Pack Carton
GW 84 662	1000 W	ST	E40	10.3 A	Graphite grey	24.1	1
GW 84 663	2000 W	MT	E40	10.3 A	Graphite grey	23.5	1

ACCESSORIES SUPPLIED: GW84662: ignitor.

GW84663: ignitor not included, floodlight suitable for 380/400V lamps with built-in ignitor.

NOTES: to be used with the relative supply unit.

#### Photometric distributions



1000 W ST

2000 W MT

#### ASYMMETRICAL OPTIC



GW 84 667

#### WIRED VERSIONS - IP66 - CLASS I

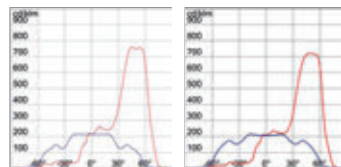


Code	Lamp power	Lamp	Lamp holder	Lamp current	Colour	Weight (kg)	Pack Carton
GW 84 667	1000 W	MN	X528/CABLE	9.5 A	Graphite grey	24.1	1
GW 84 668	2000 W	MN	X528/CABLE	10.3 A	Graphite grey	23.5	1

ACCESSORIES SUPPLIED: ignitor.

NOTES: to be used with the relative supply unit. Suitable for long-arc HID lamp.

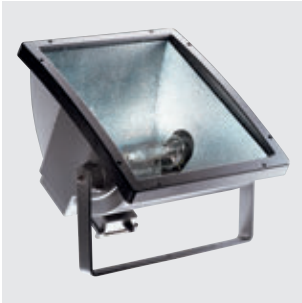
#### Photometric distributions



1000 W MN

2000 W MN

## SYMMETRICAL RESTRICTED BEAM OPTICS



GW 84 672

### WIRED VERSIONS - IP66 - CLASS I



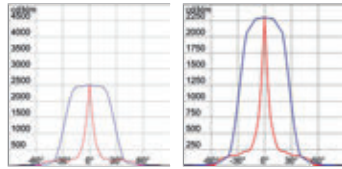
Code	Lamp power	Lamp	Lamp holder	Lamp current	Colour	Weight (kg)	Pack Carton
GW 84 672	1000 W	ST	E40	10.3 A	Graphite grey	24.1	1
GW 84 673	2000 W	MT	E40	10.3 A	Graphite grey	23.5	1

ACCESSORIES SUPPLIED: GW84672: ignitor.

GW84673: ignitor not included, floodlight suitable for 380/400V lamps with built-in ignitor.

NOTES: to be used with the relative supply unit.

#### Photometric distributions



1000 W ST

2000 W MT

## OPTICAL COMPONENTS



GW 84 783

### OPTIC AIMING DEVICE

Code	Material	Pack Carton
GW 84 783	Galvanised steel	1

COMPLEMENTARY ITEMS



GW 84 616

**SUPPLY UNIT - IP66 - CLASS I**

Code	Lamp power	Lamp	Lamp current	Voltage	Weight (kg)	Pack Carton
GW 84 616	1000 W	MT/MN/ST	9.5-10.3 A	230 V - 50 Hz	13.7	1
GW 84 617	1000 W	MT/MN/ST	9.5-10.3 A	240 V - 50 Hz	13.7	1
GW 84 618	1000 W	MT/MN/ST	9.5-10.3 A	220 V - 60 Hz	13.7	1
GW 84 621	2000 W	MT/MN	9.8-11.3 A	400 V - 50 Hz	18.5	1
GW 84 622	2000 W	MT/MN	9.8-11.3 A	415 V - 50 Hz	18.5	1
GW 84 623	2000 W	MT/MN	9.8-11.3 A	380 V - 60 Hz	18.5	1



GW 84 626

**UNWIRED SUPPLY UNIT - IP66**

Code	Description	Weight (kg)	Pack Carton
GW 84 626	Unwired box	4.2	1

NOTES: the unwired box is supplied with accessory-holding plate and standard service items.



GW 84 639

**SUPPLY UNIT - IP20 - CLASS I**

Code	Lamp power	Lamp	Lamp current	Voltage	Weight (kg)	Pack Carton
GW 84 637	1000 W	MT/MN/ST	9.5-10.3 A	230 V - 50 Hz	11.5	1
GW 84 639	2000 W	MT/MN	9.8-11.3 A	400 V - 50 Hz	16.3	1



GW 88 262

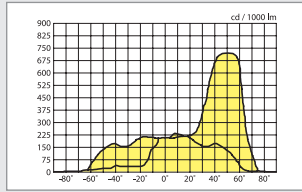
**SPARE PARTS**

Code	Description	Dimensions (mm)	Weight (kg)	Pack Carton
GW 88 262	Tempered transparent glass	614x548x5	4.1	1/2

# Stadium

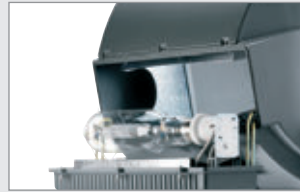


## LIGHT POLLUTION



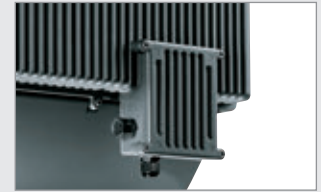
The version with asymmetrical optic guarantees light emission, that can illuminate even at large distances while fully respecting the laws regarding light pollution.

## SEPARATE OPENINGS



The double opening (front and rear), with a hinge with unlosable stainless steel screws, makes it easier to carry out maintenance and installation operations without compromising the pointing of the device.

## SPECIAL GORE-TEX MEMBRANE



The special Gore-Tex membrane facilitates the compensation of the inner pressure and reduces mechanical stress on the glass and gaskets.

## Technical characteristics

<b>INSTALLATION</b>	External
<b>COLOUR</b>	Graphite grey
<b>MATERIALS</b>	
<b>Body</b>	Die-cast aluminium EN AB 46100
<b>Reflector</b>	Polished aluminium 99.85%
<b>Shield</b>	Flat glass 5 mm
<b>Bracket</b>	Painted galvanised steel

<b>DEGREE OF PROTECTION</b>	IP66
<b>IMPACT RESISTANCE</b>	IK10
<b>INSULATION CLASS</b>	I
<b>MARKS</b>	CE

## Technical solutions

### Project: 11-a-side football pitch



<b>Length [m]</b>	105
<b>Width [m]</b>	65
<b>Activity</b>	SPORT - 11-a-side football
<b>Class</b>	EN 12193
<b>Eave [lx]</b>	200
<b>Emin/Eave</b>	0.6
<b>Luminaire</b>	<b>GW84668 STADIUM 2000 W MN</b>
<b>Number of poles</b>	4
<b>Pole height</b>	25
<b>Number of floodlights</b>	16
<b>Number of floodlights per pole</b>	4
<b>Eave [lx]</b>	200
<b>Emin/Eave</b>	0.6



## COMMON INSTALLATION ACCESSORIES FOR THE FLOODLIGHT RANGE

### COMPLEMENTARY ITEMS COMMON TO ALL GEWISS FLOODLIGHTS



GW 85 080

#### POLE COUPLINGS



Code	Description	For pole diameter (mm)	Length post head	Weight (kg)	Pack Carton
GW 85 080	Post head	60	L=400	3.5	1
GW 85 081	Post head	60	L=1100	7.1	1
GW 85 083	Intermediate with collar	60 - 76		1.2	1
GW 85 186	Post head	76	L=260	4.5	1
GW 85 187	Post head	76	L=400	6.3	1
GW 85 188	Post head	76	L=1100	9	1

CHARACTERISTICS: hot galvanised steel.



GW 85 084

#### COMPLEMENTARY ITEMS FOR INSTALLATION

Code	Description	Accessories supplied	Length (mm)	Weight (kg)	Pack Carton
GW 85 084	Wall support		500	2.6	1
GW 85 085	Wall support		1000	4	1
GW 85 086	Angle bracket			1.4	1
GW 85 087	Adjustable bracket		800	2.8	1/2
GW 85 088	Adjustable bracket	Junction box, terminal block and fuseholder	800	3	1

CHARACTERISTICS: steel supports coated with graphite grey polyester powder.

### COMMON INSTALLATION ACCESSORIES FOR THE FLOODLIGHT RANGE

	POLE FIXING				WALL-MOUNTING SUPPORTS				
	L=260	L=400	L=1100	A collare	500mm	1000mm	Corner	Adjustable	Adjustable, with junction box
		GW 85 080	GW 85 081	GW 85 083	GW 85 084	GW 85 085	GW 85 086	GW 85 087	GW 85 088
	GW 85 186	GW 85 187	GW 85 188						
HORUS 1	✓	✓	✓	✓	✓	✓	✓	✓	✓
HORUS 2	✓	✓	✓	✓	✓	✓	✓		
HORUS 3	✓	✓	✓	✓					
GENIUS 1000-1500 W	✓	✓	✓	✓	✓	✓	✓	✓	✓
MERCURIO 1	✓	✓	✓	✓	✓	✓	✓		
MERCURIO 2	✓	✓	✓	✓					
TITANO	✓	✓	✓	✓					
SMART [4] 2.0 FL 2L	✓	✓							
SMART [4] 2.0 FL 2+2L	✓	✓							
SMART [4] 2.0 FL 5L	✓	✓	✓	✓	✓	✓			
SMART [4] 2.0 FL 5+5L	✓	✓							
SMART [4] 2.0 FL 4x5L	✓	✓							

# Urban lighting

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## Urban [O<sub>3</sub>]

URBAN LIGHTING SYSTEMS



*pag. 124*

## Saturno

ARCHITECTURAL FLOODLIGHTS



*pag. 143*

## Dedalo

ARCHITECTURAL FLOODLIGHTS



*pag. 150*

## Trilight

BOLLARDS



*pag. 153*

## Luxor Led

LED UPLIGHTS



*pag. 155*

## Luxor Wall LED

LED WALL-RECESSED FITTINGS



*pag. 163*

## Metrolight

MODULAR FLUSH-MOUNTING  
ELEMENTS



*pag. 169*

## Point

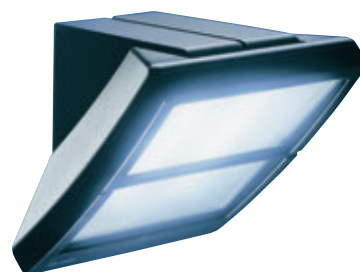
GARDEN LIGHTING DEVICES



*pag. 179*

## Extro

MULTIFUNCTIONAL ILLUMINATION  
DEVICES



*pag. 181*

# Urban [O<sub>3</sub>]

## Urban lighting systems



Urban [O<sub>3</sub>] is a modular urban lighting system that's the perfect combination of design and innovation. The different installation configurations (pole, pole head, side bracket, suspension) and the wide range of proposed optics ensure lighting for urban environments that guarantees energy savings and respect for the environment.

The line is completed with the new BlueGreen versions that blend perfectly into the context of gardens and parks.



**Technical characteristics page 141**

## SIDE COUPLING SYSTEMS FOR COMMERCIAL SIDE BRACKETS - LED



### LED - ST1 STREET OPTIC



GW 87 601



### URBAN LIGHTING DEVICES IN DIE-CAST ALUMINIUM - IP66 LED MODULES POWERED AT 550 MA WITH PMMA LENSES



Code	Number of modules	Colour temperature	System power	Nominal flux (lm)	Lumen output (lm)	Colour	Weight (kg)	Pack Carton
<b>Voltage: 220/240 V - 50/60 Hz - Stand alone and/or possibility of dimmer 1-10 V</b>								
GW 87 601	2 (2x16 LED)	3500 K (CRI 85)	54 W	3940	3460	Graphite grey	9.7	1
GW 87 602	3 (3x16 LED)	3500 K (CRI 85)	81 W	5760	5050	Graphite grey	10.3	1
GW 87 603	4 (4x16 LED)	3500 K (CRI 85)	105 W	7540	6610	Graphite grey	11	1
GW 87 606	2 (2x16 LED)	4000 K (CRI 70)	54 W	7020	5890	Graphite grey	9.7	1
GW 87 607	3 (3x16 LED)	4000 K (CRI 70)	81 W	10230	8590	Graphite grey	10.3	1
GW 87 608	4 (4x16 LED)	4000 K (CRI 70)	105 W	13400	11240	Graphite grey	11	1
GW 87 611	2 (2x16 LED)	3500 K (CRI 85)	54 W	3940	3460	Aluminium	9.7	1
GW 87 612	3 (3x16 LED)	3500 K (CRI 85)	81 W	5760	5050	Aluminium	10.3	1
GW 87 613	4 (4x16 LED)	3500 K (CRI 85)	105 W	7540	6610	Aluminium	11	1
GW 87 616	2 (2x16 LED)	4000 K (CRI 70)	54 W	7020	5890	Aluminium	9.7	1
GW 87 617	3 (3x16 LED)	4000 K (CRI 70)	81 W	10230	8590	Aluminium	10.3	1
GW 87 618	4 (4x16 LED)	4000 K (CRI 70)	105 W	13400	11240	Aluminium	11	1
<b>Voltage: 220/240 V - 50/60 Hz - Bi-power with self-learning</b>								
GW 87 621	2 (2x16 LED)	3500 K (CRI 85)	54 W	3940	3460	Graphite grey	9.7	1
GW 87 622	3 (3x16 LED)	3500 K (CRI 85)	81 W	5760	5050	Graphite grey	10.3	1
GW 87 623	4 (4x16 LED)	3500 K (CRI 85)	105 W	7540	6610	Graphite grey	11	1
GW 87 626	2 (2x16 LED)	4000 K (CRI 70)	54 W	7020	5890	Graphite grey	9.7	1
GW 87 627	3 (3x16 LED)	4000 K (CRI 70)	81 W	10230	8590	Graphite grey	10.3	1
GW 87 628	4 (4x16 LED)	4000 K (CRI 70)	105 W	13400	11240	Graphite grey	11	1
GW 87 631	2 (2x16 LED)	3500 K (CRI 85)	54 W	3940	3460	Aluminium	9.7	1
GW 87 632	3 (3x16 LED)	3500 K (CRI 85)	81 W	5760	5050	Aluminium	10.3	1
GW 87 633	4 (4x16 LED)	3500 K (CRI 85)	105 W	7540	6610	Aluminium	11	1
GW 87 636	2 (2x16 LED)	4000 K (CRI 70)	54 W	7020	5890	Aluminium	9.7	1
GW 87 637	3 (3x16 LED)	4000 K (CRI 70)	81 W	10230	8590	Aluminium	10.3	1
GW 87 638	4 (4x16 LED)	4000 K (CRI 70)	105 W	13400	11240	Aluminium	11	1

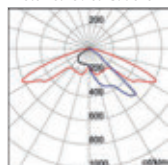
NOTES: the data refer to 550 mA.

Full prog.driver setted in self learning Bi-power mode (50% reduction from 1 h previous to 4 h after the mid point switch on period).

due to the continuous changes with the LED technologies, the technical data can undertake variations.

The nominal flux is referred to T<sub>J</sub>=85°C.

#### Photometric distributions



ST1 optic

**LED - CYCLE AND PEDESTRIAN OPTIC**



GW S7 201



**URBAN LIGHTING DEVICES IN DIE-CAST ALUMINIUM - IP66  
LED MODULES POWERED AT 550 MA WITH PMMA LENSES**



Code	Number of modules	Colour temperature	System power	Nominal flux (lm)	Lumen output (lm)	Colour	Weight (kg)	Pack Carton
<b>Voltage: 220/240 V - 50/60 Hz - Stand alone and/or possibility of dimmer 1-10 V</b>								
GW S7 201	2 (2x16 LED)	3500 K (CRI 85)	54 W	3940	3240	Graphite grey	9.7	1
GW S7 202	3 (3x16 LED)	3500 K (CRI 85)	81 W	5760	4740	Graphite grey	10.3	1
GW S7 203	4 (4x16 LED)	3500 K (CRI 85)	105 W	7540	6210	Graphite grey	11	1
GW S7 206	2 (2x16 LED)	4000 K (CRI 70)	54 W	7020	5520	Graphite grey	9.7	1
GW S7 207	3 (3x16 LED)	4000 K (CRI 70)	81 W	10230	8060	Graphite grey	10.3	1
GW S7 208	4 (4x16 LED)	4000 K (CRI 70)	105 W	13400	10560	Graphite grey	11	1
GW S7 211	2 (2x16 LED)	3500 K (CRI 85)	54 W	3940	3240	Aluminium	9.7	1
GW S7 212	3 (3x16 LED)	3500 K (CRI 85)	81 W	5760	4740	Aluminium	10.3	1
GW S7 213	4 (4x16 LED)	3500 K (CRI 85)	105 W	7540	6210	Aluminium	11	1
GW S7 216	2 (2x16 LED)	4000 K (CRI 70)	54 W	7020	5520	Aluminium	9.7	1
GW S7 217	3 (3x16 LED)	4000 K (CRI 70)	81 W	10230	8060	Aluminium	10.3	1
GW S7 218	4 (4x16 LED)	4000 K (CRI 70)	105 W	13400	10560	Aluminium	11	1
<b>Voltage: 220/240 V - 50/60 Hz - Bi-power with self-learning</b>								
GW S7 221	2 (2x16 LED)	3500 K (CRI 85)	54 W	3940	3240	Graphite grey	9.7	1
GW S7 222	3 (3x16 LED)	3500 K (CRI 85)	81 W	5760	4740	Graphite grey	10.3	1
GW S7 223	4 (4x16 LED)	3500 K (CRI 85)	105 W	7540	6210	Graphite grey	11	1
GW S7 226	2 (2x16 LED)	4000 K (CRI 70)	54 W	7020	5520	Graphite grey	9.7	1
GW S7 227	3 (3x16 LED)	4000 K (CRI 70)	81 W	10230	8060	Graphite grey	10.3	1
GW S7 228	4 (4x16 LED)	4000 K (CRI 70)	105 W	13400	10560	Graphite grey	11	1
GW S7 231	2 (2x16 LED)	3500 K (CRI 85)	54 W	3940	3240	Aluminium	9.7	1
GW S7 232	3 (3x16 LED)	3500 K (CRI 85)	81 W	5760	4740	Aluminium	10.3	1
GW S7 233	4 (4x16 LED)	3500 K (CRI 85)	105 W	7540	6210	Aluminium	11	1
GW S7 236	2 (2x16 LED)	4000 K (CRI 70)	54 W	7020	5520	Aluminium	9.7	1
GW S7 237	3 (3x16 LED)	4000 K (CRI 70)	81 W	10230	8060	Aluminium	10.3	1
GW S7 238	4 (4x16 LED)	4000 K (CRI 70)	105 W	13400	10560	Aluminium	11	1

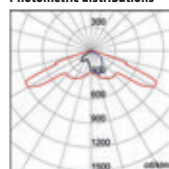
**NOTES:** the data refer to 550 mA.

Full prog.driver setted in self learning Bi-power mode (50% reduction from 1 h previous to 4 h after the mid point switch on period).

Due to the continuous changes with the LED technologies, the technical data can undertake variations.

The nominal flux is referred to Tj=85°C.

**Photometric distributions**

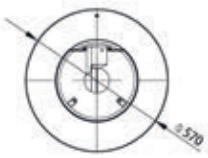


Cycle ped.optic

## LED - ELLIPTICAL OPTIC



GW S7 251



### URBAN LIGHTING DEVICES IN DIE-CAST ALUMINIUM - IP66 LED MODULES POWERED AT 550 MA WITH PMMA LENSES



Code	Number of modules	Colour temperature	System power	Nominal flux (lm)	Lumen output (lm)	Colour	Weight (kg)	Pack Carton
<b>Voltage: 220/240 V - 50/60 Hz - Stand alone and/or possibility of dimmer 1-10 V</b>								
GW S7 251	2 (2x16 LED)	3500 K (CRI 85)	54 W	3940	3460	Graphite grey	9.7	1
GW S7 252	3 (3x16 LED)	3500 K (CRI 85)	81 W	5760	5050	Graphite grey	10.3	1
GW S7 253	4 (4x16 LED)	3500 K (CRI 85)	105 W	7540	6610	Graphite grey	11	1
GW S7 256	2 (2x16 LED)	4000 K (CRI 70)	54 W	7020	5890	Graphite grey	9.7	1
GW S7 257	3 (3x16 LED)	4000 K (CRI 70)	81 W	10230	8590	Graphite grey	10.3	1
GW S7 258	4 (4x16 LED)	4000 K (CRI 70)	105 W	13400	11240	Graphite grey	11	1
GW S7 261	2 (2x16 LED)	3500 K (CRI 85)	54 W	3940	3460	Aluminium	9.7	1
GW S7 262	3 (3x16 LED)	3500 K (CRI 85)	81 W	5760	5050	Aluminium	10.3	1
GW S7 263	4 (4x16 LED)	3500 K (CRI 85)	105 W	7540	6610	Aluminium	11	1
GW S7 266	2 (2x16 LED)	4000 K (CRI 70)	54 W	7020	5890	Aluminium	9.7	1
GW S7 267	3 (3x16 LED)	4000 K (CRI 70)	81 W	10230	8590	Aluminium	10.3	1
GW S7 268	4 (4x16 LED)	4000 K (CRI 70)	105 W	13400	11240	Aluminium	11	1
<b>Voltage: 220/240 V - 50/60 Hz - Bi-power with self-learning</b>								
GW S7 271	2 (2x16 LED)	3500 K (CRI 85)	54 W	3940	3460	Graphite grey	9.7	1
GW S7 272	3 (3x16 LED)	3500 K (CRI 85)	81 W	5760	5050	Graphite grey	10.3	1
GW S7 273	4 (4x16 LED)	3500 K (CRI 85)	105 W	7540	6610	Graphite grey	11	1
GW S7 276	2 (2x16 LED)	4000 K (CRI 70)	54 W	7020	5890	Graphite grey	9.7	1
GW S7 277	3 (3x16 LED)	4000 K (CRI 70)	81 W	10230	8590	Graphite grey	10.3	1
GW S7 278	4 (4x16 LED)	4000 K (CRI 70)	105 W	13400	11240	Graphite grey	11	1
GW S7 281	2 (2x16 LED)	3500 K (CRI 85)	54 W	3940	3460	Aluminium	9.7	1
GW S7 282	3 (3x16 LED)	3500 K (CRI 85)	81 W	5760	5050	Aluminium	10.3	1
GW S7 283	4 (4x16 LED)	3500 K (CRI 85)	105 W	7540	6610	Aluminium	11	1
GW S7 286	2 (2x16 LED)	4000 K (CRI 70)	54 W	7020	5890	Aluminium	9.7	1
GW S7 287	3 (3x16 LED)	4000 K (CRI 70)	81 W	10230	8590	Aluminium	10.3	1
GW S7 288	4 (4x16 LED)	4000 K (CRI 70)	105 W	13400	11240	Aluminium	11	1

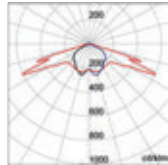
NOTES: the data refer to 550 mA.

Full prog.driver setted in self learning Bi-power mode (50% reduction from 1 h previous to 4 h after the mid point switch on period).

Due to the continuous changes with the LED technologies, the technical data can undertake variations.

The nominal flux is referred to T<sub>j</sub>=85°C.

#### Photometric distributions



Elliptical optic

**FIXING ACCESSORIES**



GW 87 882

**POLE HEAD BRACKETS**

Code	Description	Length	Colour	Weight (kg)	Pack Carton
GW 87 881	Single	400 mm	Graphite grey	2	1
GW 87 882	Double	800 mm	Graphite grey	2.5	1
GW 87 891	Single	400 mm	Aluminium	2	1
GW 87 892	Double	800 mm	Aluminium	2.5	1



GW 87 883

**BRACKETS AT VARIABLE HEIGHTS**

Code	Description	Length	Colour	Weight (kg)	Pack Carton
GW 87 883	Single intermediate	400 mm	Graphite grey	2.5	1
GW 87 884	Intermediate single pole with slots	400 mm	Graphite grey	2.5	1
GW 87 893	Single intermediate	400 mm	Aluminium	2.5	1
GW 87 894	Intermediate single pole with slots	400 mm	Aluminium	2.5	1

NOTE: for poles with a diameter from 60 to 75 mm.



GW 87 885

**WALL-MOUNTING BRACKETS**

Code	Description	Length	Colour	Weight (kg)	Pack Carton
GW 87 885	Wall-mounting bracket	450 mm	Graphite grey	4	1
GW 87 895	Wall-mounting bracket	450 mm	Aluminium	4	1

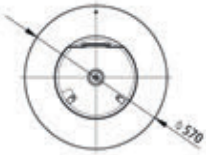
## SYSTEMS FOR COMMERCIAL BRACKETS WITH TOP CONNECTION - LED



### LED - ST1 STREET OPTIC



GW 87 701



### URBAN LIGHTING DEVICES IN DIE-CAST ALUMINIUM - IP66 LED MODULES POWERED AT 550 MA WITH PMMA LENSES



CONSTANT  
CURRENT  
DRIVER

5 YEARS  
WARRANTY



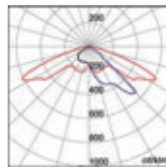
Code	Number of modules	Colour temperature	System power	Nominal flux (lm)	Lumen output (lm)	Colour	Weight (kg)	Pack Carton
<b>Voltage: 220/240 V - 50/60 Hz - Stand alone and/or possibility of dimmer 1-10 V</b>								
GW 87 701	2 (2x16 LED)	3500 K (CRI 85)	54 W	3940	3460	Graphite grey	9.3	1
GW 87 702	3 (3x16 LED)	3500 K (CRI 85)	81 W	5760	5050	Graphite grey	9.9	1
GW 87 703	4 (4x16 LED)	3500 K (CRI 85)	105 W	7540	6610	Graphite grey	10.6	1
GW 87 706	2 (2x16 LED)	4000 K (CRI 70)	54 W	7020	5890	Graphite grey	9.3	1
GW 87 707	3 (3x16 LED)	4000 K (CRI 70)	81 W	10230	8590	Graphite grey	9.9	1
GW 87 708	4 (4x16 LED)	4000 K (CRI 70)	105 W	13400	11240	Graphite grey	10.6	1
GW 87 711	2 (2x16 LED)	3500 K (CRI 85)	54 W	3940	3460	Aluminium	9.3	1
GW 87 712	3 (3x16 LED)	3500 K (CRI 85)	81 W	5760	5050	Aluminium	9.9	1
GW 87 713	4 (4x16 LED)	3500 K (CRI 85)	105 W	7540	6610	Aluminium	10.6	1
GW 87 716	2 (2x16 LED)	4000 K (CRI 70)	54 W	7020	5890	Aluminium	9.3	1
GW 87 717	3 (3x16 LED)	4000 K (CRI 70)	81 W	10230	8590	Aluminium	9.9	1
GW 87 718	4 (4x16 LED)	4000 K (CRI 70)	105 W	13400	11240	Aluminium	10.6	1
<b>Voltage: 220/240 V - 50/60 Hz - Bi-power with self-learning</b>								
GW 87 721	2 (2x16 LED)	3500 K (CRI 85)	54 W	3940	3460	Graphite grey	9.3	1
GW 87 722	3 (3x16 LED)	3500 K (CRI 85)	81 W	5760	5050	Graphite grey	9.9	1
GW 87 723	4 (4x16 LED)	3500 K (CRI 85)	105 W	7540	6610	Graphite grey	10.6	1
GW 87 726	2 (2x16 LED)	4000 K (CRI 70)	54 W	7020	5890	Graphite grey	9.3	1
GW 87 727	3 (3x16 LED)	4000 K (CRI 70)	81 W	10230	8590	Graphite grey	9.9	1
GW 87 728	4 (4x16 LED)	4000 K (CRI 70)	105 W	13400	11240	Graphite grey	10.6	1
GW 87 731	2 (2x16 LED)	3500 K (CRI 85)	54 W	3940	3460	Aluminium	9.3	1
GW 87 732	3 (3x16 LED)	3500 K (CRI 85)	81 W	5760	5050	Aluminium	9.9	1
GW 87 733	4 (4x16 LED)	3500 K (CRI 85)	105 W	7540	6610	Aluminium	10.6	1
GW 87 736	2 (2x16 LED)	4000 K (CRI 70)	54 W	7020	5890	Aluminium	9.3	1
GW 87 737	3 (3x16 LED)	4000 K (CRI 70)	81 W	10230	8590	Aluminium	9.9	1
GW 87 738	4 (4x16 LED)	4000 K (CRI 70)	105 W	13400	11240	Aluminium	10.6	1

NOTES: the data refer to 550 mA.

Full prog.driver settled in self learning Bi-power mode (50% reduction from 1 h previous to 4 h after the mid point switch on period).  
due to the continuous changes with the LED technologies, the technical data can undertake variations.

The nominal flux is referred to T<sub>j</sub>=85°C.

#### Photometric distributions



ST1 optic



**LED - CYCLE AND PEDESTRIAN OPTIC**



GW S7 301



**URBAN LIGHTING DEVICES IN DIE-CAST ALUMINIUM - IP66  
LED MODULES POWERED AT 550 MA WITH PMMA LENSES**



Code	Number of modules	Colour temperature	System power	Nominal flux (lm)	Lumen output (lm)	Colour	Weight (kg)	Pack Carton
<b>Voltage: 220/240 V - 50/60 Hz - Stand alone and/or possibility of dimmer 1-10 V</b>								
GW S7 301	2 (2x16 LED)	3500 K (CRI 85)	54 W	3940	3240	Graphite grey	9.3	1
GW S7 302	3 (3x16 LED)	3500 K (CRI 85)	81 W	5760	4740	Graphite grey	9.9	1
GW S7 303	4 (4x16 LED)	3500 K (CRI 85)	105 W	7540	6210	Graphite grey	10.6	1
GW S7 306	2 (2x16 LED)	4000 K (CRI 70)	54 W	7020	5520	Graphite grey	9.3	1
GW S7 307	3 (3x16 LED)	4000 K (CRI 70)	81 W	10230	8060	Graphite grey	9.9	1
GW S7 308	4 (4x16 LED)	4000 K (CRI 70)	105 W	13400	10560	Graphite grey	10.6	1
GW S7 311	2 (2x16 LED)	3500 K (CRI 85)	54 W	3940	3240	Aluminium	9.3	1
GW S7 312	3 (3x16 LED)	3500 K (CRI 85)	81 W	5760	4740	Aluminium	9.9	1
GW S7 313	4 (4x16 LED)	3500 K (CRI 85)	105 W	7540	6210	Aluminium	10.6	1
GW S7 316	2 (2x16 LED)	4000 K (CRI 70)	54 W	7020	5520	Aluminium	9.3	1
GW S7 317	3 (3x16 LED)	4000 K (CRI 70)	81 W	10230	8060	Aluminium	9.9	1
GW S7 318	4 (4x16 LED)	4000 K (CRI 70)	105 W	13400	10560	Aluminium	10.6	1
<b>Voltage: 220/240 V - 50/60 Hz - Bi-power with self-learning</b>								
GW S7 321	2 (2x16 LED)	3500 K (CRI 85)	54 W	3940	3240	Graphite grey	9.3	1
GW S7 322	3 (3x16 LED)	3500 K (CRI 85)	81 W	5760	4740	Graphite grey	9.9	1
GW S7 323	4 (4x16 LED)	3500 K (CRI 85)	105 W	7540	6210	Graphite grey	10.6	1
GW S7 326	2 (2x16 LED)	4000 K (CRI 70)	54 W	7020	5520	Graphite grey	9.3	1
GW S7 327	3 (3x16 LED)	4000 K (CRI 70)	81 W	10230	8060	Graphite grey	9.9	1
GW S7 328	4 (4x16 LED)	4000 K (CRI 70)	105 W	13400	10560	Graphite grey	10.6	1
GW S7 331	2 (2x16 LED)	3500 K (CRI 85)	54 W	3940	3240	Aluminium	9.3	1
GW S7 332	3 (3x16 LED)	3500 K (CRI 85)	81 W	5760	4740	Aluminium	9.9	1
GW S7 333	4 (4x16 LED)	3500 K (CRI 85)	105 W	7540	6210	Aluminium	10.6	1
GW S7 336	2 (2x16 LED)	4000 K (CRI 70)	54 W	7020	5520	Aluminium	9.3	1
GW S7 337	3 (3x16 LED)	4000 K (CRI 70)	81 W	10230	8060	Aluminium	9.9	1
GW S7 338	4 (4x16 LED)	4000 K (CRI 70)	105 W	13400	10560	Aluminium	10.6	1

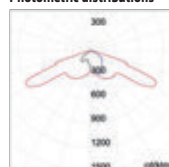
**NOTES:** the data refer to 550 mA.

Full prog.driver setted in self learning Bi-power mode (50% reduction from 1 h previous to 4 h after the mid point switch on period).

Due to the continuous changes with the LED technologies, the technical data can undertake variations.

The nominal flux is referred to Tj=85°C.

**Photometric distributions**



Cycle ped.optic

## LED - ELLIPTICAL OPTIC



GW S7 351



### URBAN LIGHTING DEVICES IN DIE-CAST ALUMINIUM - IP66 LED MODULES POWERED AT 550 MA WITH PMMA LENSES



Code	Number of modules	Colour temperature	System power	Nominal flux (lm)	Lumen output (lm)	Colour	Weight (kg)	Pack Carton
<b>Voltage: 220/240 V - 50/60 Hz - Stand alone and/or possibility of dimmer 1-10 V</b>								
GW S7 351	2 (2x16 LED)	3500 K (CRI 85)	54 W	3940	3460	Graphite grey	9.3	1
GW S7 352	3 (3x16 LED)	3500 K (CRI 85)	81 W	5760	5050	Graphite grey	9.9	1
GW S7 353	4 (4x16 LED)	3500 K (CRI 85)	105 W	7540	6610	Graphite grey	10.6	1
GW S7 356	2 (2x16 LED)	4000 K (CRI 70)	54 W	7020	5890	Graphite grey	9.3	1
GW S7 357	3 (3x16 LED)	4000 K (CRI 70)	81 W	10230	8590	Graphite grey	9.9	1
GW S7 358	4 (4x16 LED)	4000 K (CRI 70)	105 W	13400	11240	Graphite grey	10.6	1
GW S7 361	2 (2x16 LED)	3500 K (CRI 85)	54 W	3940	3460	Aluminium	9.3	1
GW S7 362	3 (3x16 LED)	3500 K (CRI 85)	81 W	5760	5050	Aluminium	9.9	1
GW S7 363	4 (4x16 LED)	3500 K (CRI 85)	105 W	7540	6610	Aluminium	10.6	1
GW S7 366	2 (2x16 LED)	4000 K (CRI 70)	54 W	7020	5890	Aluminium	9.3	1
GW S7 367	3 (3x16 LED)	4000 K (CRI 70)	81 W	10230	8590	Aluminium	9.9	1
GW S7 368	4 (4x16 LED)	4000 K (CRI 70)	105 W	13400	11240	Aluminium	10.6	1
<b>Voltage: 220/240 V - 50/60 Hz - Bi-power with self-learning</b>								
GW S7 371	2 (2x16 LED)	3500 K (CRI 85)	54 W	3940	3460	Graphite grey	9.3	1
GW S7 372	3 (3x16 LED)	3500 K (CRI 85)	81 W	5760	5050	Graphite grey	9.9	1
GW S7 373	4 (4x16 LED)	3500 K (CRI 85)	105 W	7540	6610	Graphite grey	10.6	1
GW S7 376	2 (2x16 LED)	4000 K (CRI 70)	54 W	7020	5890	Graphite grey	9.3	1
GW S7 377	3 (3x16 LED)	4000 K (CRI 70)	81 W	10230	8590	Graphite grey	9.9	1
GW S7 378	4 (4x16 LED)	4000 K (CRI 70)	105 W	13400	11240	Graphite grey	10.6	1
GW S7 381	2 (2x16 LED)	3500 K (CRI 85)	54 W	3940	3460	Aluminium	9.3	1
GW S7 382	3 (3x16 LED)	3500 K (CRI 85)	81 W	5760	5050	Aluminium	9.9	1
GW S7 383	4 (4x16 LED)	3500 K (CRI 85)	105 W	7540	6610	Aluminium	10.6	1
GW S7 386	2 (2x16 LED)	4000 K (CRI 70)	54 W	7020	5890	Aluminium	9.3	1
GW S7 387	3 (3x16 LED)	4000 K (CRI 70)	81 W	10230	8590	Aluminium	9.9	1
GW S7 388	4 (4x16 LED)	4000 K (CRI 70)	105 W	13400	11240	Aluminium	10.6	1

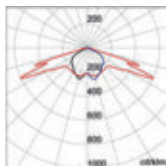
**NOTES:** the data refer to 550 mA.

Full prog.driver setted in self learning Bi-power mode (50% reduction from 1 h previous to 4 h after the mid point switch on period).

Due to the continuous changes with the LED technologies, the technical data can undertake variations.

The nominal flux is referred to T<sub>j</sub>=85°C.

#### Photometric distributions



Elliptical optic

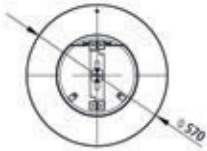
**SYSTEMS FOR SUSPENSIONS - LED**



**LED - ST1 STREET OPTIC**



GW 87 801



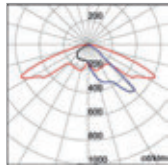
**URBAN LIGHTING DEVICES IN DIE-CAST ALUMINIUM - IP66  
LED MODULES POWERED AT 550 MA WITH PMMA LENSES**



Code	Number of modules	Colour temperature	System power	Nominal flux (lm)	Lumen output (lm)	Colour	Weight (kg)	Pack Carton
<b>Voltage: 220/240 V - 50/60 Hz - Stand alone and/or possibility of dimmer 1-10 V</b>								
GW 87 801	2 (2x16 LED)	3500 K (CRI 85)	54 W	3940	3460	Graphite grey	10.2	1
GW 87 802	3 (3x16 LED)	3500 K (CRI 85)	81 W	5760	5050	Graphite grey	10.8	1
GW 87 803	4 (4x16 LED)	3500 K (CRI 85)	105 W	7540	6610	Graphite grey	11.5	1
GW 87 806	2 (2x16 LED)	4000 K (CRI 70)	54 W	7020	5890	Graphite grey	10.2	1
GW 87 807	3 (3x16 LED)	4000 K (CRI 70)	81 W	10230	8590	Graphite grey	10.8	1
GW 87 808	4 (4x16 LED)	4000 K (CRI 70)	105 W	13400	11240	Graphite grey	11.5	1
GW 87 811	2 (2x16 LED)	3500 K (CRI 85)	54 W	3940	3460	Aluminium	10.2	1
GW 87 812	3 (3x16 LED)	3500 K (CRI 85)	81 W	5760	5050	Aluminium	10.8	1
GW 87 813	4 (4x16 LED)	3500 K (CRI 85)	105 W	7540	6610	Aluminium	11.5	1
GW 87 816	2 (2x16 LED)	4000 K (CRI 70)	54 W	7020	5890	Aluminium	10.2	1
GW 87 817	3 (3x16 LED)	4000 K (CRI 70)	81 W	10230	8590	Aluminium	10.8	1
GW 87 818	4 (4x16 LED)	4000 K (CRI 70)	105 W	13400	11240	Aluminium	11.5	1
<b>Voltage: 220/240 V - 50/60 Hz - Bi-power with self-learning</b>								
GW 87 821	2 (2x16 LED)	3500 K (CRI 85)	54 W	3940	3460	Graphite grey	10.2	1
GW 87 822	3 (3x16 LED)	3500 K (CRI 85)	81 W	5760	5050	Graphite grey	10.8	1
GW 87 823	4 (4x16 LED)	3500 K (CRI 85)	105 W	7540	6610	Graphite grey	11.5	1
GW 87 826	2 (2x16 LED)	4000 K (CRI 70)	54 W	7020	5890	Graphite grey	10.2	1
GW 87 827	3 (3x16 LED)	4000 K (CRI 70)	81 W	10230	8590	Graphite grey	10.8	1
GW 87 828	4 (4x16 LED)	4000 K (CRI 70)	105 W	13400	11240	Graphite grey	11.5	1
GW 87 831	2 (2x16 LED)	3500 K (CRI 85)	54 W	3940	3460	Aluminium	10.2	1
GW 87 832	3 (3x16 LED)	3500 K (CRI 85)	81 W	5760	5050	Aluminium	10.8	1
GW 87 833	4 (4x16 LED)	3500 K (CRI 85)	105 W	7540	6610	Aluminium	11.5	1
GW 87 836	2 (2x16 LED)	4000 K (CRI 70)	54 W	7020	5890	Aluminium	10.2	1
GW 87 837	3 (3x16 LED)	4000 K (CRI 70)	81 W	10230	8590	Aluminium	10.8	1
GW 87 838	4 (4x16 LED)	4000 K (CRI 70)	105 W	13400	11240	Aluminium	11.5	1

**NOTES:** the data refer to 550 mA.  
Full prog.driver setted in self learning Bi-power mode (50% reduction from 1 h previous to 4 h after the mid point switch on period).  
due to the continuous changes with the LED technologies, the technical data can undertake variations.  
The nominal flux is referred to Tj=85°C.

**Photometric distributions**

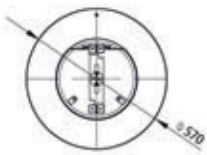


ST1 optic

## LED - CYCLE AND PEDESTRIAN OPTIC



GW S7 401



### URBAN LIGHTING DEVICES IN DIE-CAST ALUMINIUM - IP66 LED MODULES POWERED AT 550 MA WITH PMMA LENSES



Code	Number of modules	Colour temperature	System power	Nominal flux (lm)	Lumen output (lm)	Colour	Weight (kg)	Pack Carton
<b>Voltage: 220/240 V - 50/60 Hz - Stand alone and/or possibility of dimmer 1-10 V</b>								
GW S7 401	2 (2x16 LED)	3500 K (CRI 85)	54 W	3940	3240	Graphite grey	10.2	1
GW S7 402	3 (3x16 LED)	3500 K (CRI 85)	81 W	5760	4740	Graphite grey	10.8	1
GW S7 403	4 (4x16 LED)	3500 K (CRI 85)	105 W	7540	6210	Graphite grey	11.5	1
GW S7 406	2 (2x16 LED)	4000 K (CRI 70)	54 W	7020	5520	Graphite grey	10.2	1
GW S7 407	3 (3x16 LED)	4000 K (CRI 70)	81 W	10230	8060	Graphite grey	10.8	1
GW S7 408	4 (4x16 LED)	4000 K (CRI 70)	105 W	13400	10560	Graphite grey	11.5	1
GW S7 411	2 (2x16 LED)	3500 K (CRI 85)	54 W	3940	3240	Aluminium	10.2	1
GW S7 412	3 (3x16 LED)	3500 K (CRI 85)	81 W	5760	4740	Aluminium	10.8	1
GW S7 413	4 (4x16 LED)	3500 K (CRI 85)	105 W	7540	6210	Aluminium	11.5	1
GW S7 416	2 (2x16 LED)	4000 K (CRI 70)	54 W	7020	5520	Aluminium	10.2	1
GW S7 417	3 (3x16 LED)	4000 K (CRI 70)	81 W	10230	8060	Aluminium	10.8	1
GW S7 418	4 (4x16 LED)	4000 K (CRI 70)	105 W	13400	10560	Aluminium	11.5	1
<b>Voltage: 220/240 V - 50/60 Hz - Bi-power with self-learning</b>								
GW S7 421	2 (2x16 LED)	3500 K (CRI 85)	54 W	3940	3240	Graphite grey	10.2	1
GW S7 422	3 (3x16 LED)	3500 K (CRI 85)	81 W	5760	4740	Graphite grey	10.8	1
GW S7 423	4 (4x16 LED)	3500 K (CRI 85)	105 W	7540	6210	Graphite grey	11.5	1
GW S7 426	2 (2x16 LED)	4000 K (CRI 70)	54 W	7020	5520	Graphite grey	10.2	1
GW S7 427	3 (3x16 LED)	4000 K (CRI 70)	81 W	10230	8060	Graphite grey	10.8	1
GW S7 428	4 (4x16 LED)	4000 K (CRI 70)	105 W	13400	10560	Graphite grey	11.5	1
GW S7 431	2 (2x16 LED)	3500 K (CRI 85)	54 W	3940	3240	Aluminium	10.2	1
GW S7 432	3 (3x16 LED)	3500 K (CRI 85)	81 W	5760	4740	Aluminium	10.8	1
GW S7 433	4 (4x16 LED)	3500 K (CRI 85)	105 W	7540	6210	Aluminium	11.5	1
GW S7 436	2 (2x16 LED)	4000 K (CRI 70)	54 W	7020	5520	Aluminium	10.2	1
GW S7 437	3 (3x16 LED)	4000 K (CRI 70)	81 W	10230	8060	Aluminium	10.8	1
GW S7 438	4 (4x16 LED)	4000 K (CRI 70)	105 W	13400	10560	Aluminium	11.5	1

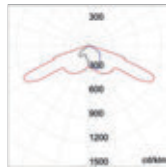
**NOTES:** the data refer to 550 mA.

Full prog.driver setted in self learning Bi-power mode (50% reduction from 1 h previous to 4 h after the mid point switch on period).

Due to the continuous changes with the LED technologies, the technical data can undertake variations.

The nominal flux is referred to T<sub>j</sub>=85°C.

#### Photometric distributions

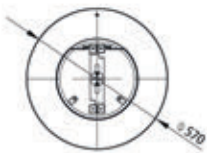


Cycle ped.optic

**LED - ELLIPTICAL OPTIC**



GW S7 451



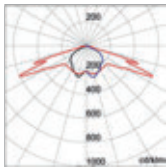
**URBAN LIGHTING DEVICES IN DIE-CAST ALUMINIUM - IP66  
LED MODULES POWERED AT 550 MA WITH PMMA LENSES**



Code	Number of modules	Colour temperature	System power	Nominal flux (lm)	Lumen output (lm)	Colour	Weight (kg)	Pack Carton
<b>Voltage: 220/240 V - 50/60 Hz - Stand alone and/or possibility of dimmer 1-10 V</b>								
GW S7 451	2 (2x16 LED)	3500 K (CRI 85)	54 W	3940	3460	Graphite grey	10.2	1
GW S7 452	3 (3x16 LED)	3500 K (CRI 85)	81 W	5760	5050	Graphite grey	10.8	1
GW S7 453	4 (4x16 LED)	3500 K (CRI 85)	105 W	7540	6610	Graphite grey	11.5	1
GW S7 456	2 (2x16 LED)	4000 K (CRI 70)	54 W	7020	5890	Graphite grey	10.2	1
GW S7 457	3 (3x16 LED)	4000 K (CRI 70)	81 W	10230	8590	Graphite grey	10.8	1
GW S7 458	4 (4x16 LED)	4000 K (CRI 70)	105 W	13400	11240	Graphite grey	11.5	1
GW S7 461	2 (2x16 LED)	3500 K (CRI 85)	54 W	3940	3460	Aluminium	10.2	1
GW S7 462	3 (3x16 LED)	3500 K (CRI 85)	81 W	5760	5050	Aluminium	10.8	1
GW S7 463	4 (4x16 LED)	3500 K (CRI 85)	105 W	7540	6610	Aluminium	11.5	1
GW S7 466	2 (2x16 LED)	4000 K (CRI 70)	54 W	7020	5890	Aluminium	10.2	1
GW S7 467	3 (3x16 LED)	4000 K (CRI 70)	81 W	10230	8590	Aluminium	10.8	1
GW S7 468	4 (4x16 LED)	4000 K (CRI 70)	105 W	13400	11240	Aluminium	11.5	1
<b>Voltage: 220/240 V - 50/60 Hz - Bi-power with self-learning</b>								
GW S7 471	2 (2x16 LED)	3500 K (CRI 85)	54 W	3940	3460	Graphite grey	10.2	1
GW S7 472	3 (3x16 LED)	3500 K (CRI 85)	81 W	5760	5050	Graphite grey	10.8	1
GW S7 473	4 (4x16 LED)	3500 K (CRI 85)	105 W	7540	6610	Graphite grey	11.5	1
GW S7 476	2 (2x16 LED)	4000 K (CRI 70)	54 W	7020	5890	Graphite grey	10.2	1
GW S7 477	3 (3x16 LED)	4000 K (CRI 70)	81 W	10230	8590	Graphite grey	10.8	1
GW S7 478	4 (4x16 LED)	4000 K (CRI 70)	105 W	13400	11240	Graphite grey	11.5	1
GW S7 481	2 (2x16 LED)	3500 K (CRI 85)	54 W	3940	3460	Aluminium	10.2	1
GW S7 482	3 (3x16 LED)	3500 K (CRI 85)	81 W	5760	5050	Aluminium	10.8	1
GW S7 483	4 (4x16 LED)	3500 K (CRI 85)	105 W	7540	6610	Aluminium	11.5	1
GW S7 486	2 (2x16 LED)	4000 K (CRI 70)	54 W	7020	5890	Aluminium	10.2	1
GW S7 487	3 (3x16 LED)	4000 K (CRI 70)	81 W	10230	8590	Aluminium	10.8	1
GW S7 488	4 (4x16 LED)	4000 K (CRI 70)	105 W	13400	11240	Aluminium	11.5	1

**NOTES:** the data refer to 550 mA.  
Full prog.driver setted in self learning Bi-power mode (50% reduction from 1 h previous to 4 h after the mid point switch on period).  
Due to the continuous changes with the LED technologies, the technical data can undertake variations.  
The nominal flux is referred to Tj=85°C.

**Photometric distributions**



Elliptical optic

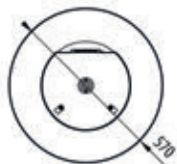
## SYSTEMS FOR GEWISS BRACKETS - LED



### LED - ST1 STREET OPTIC



GW 87 901



### URBAN LIGHTING DEVICES IN DIE-CAST ALUMINIUM - IP66 LED MODULES POWERED AT 550 MA WITH PMMA LENSES



CONSTANT  
CURRENT  
DRIVER

5 YEARS  
WARRANTY



Code	Number of modules	Colour temperature	System power	Nominal flux (lm)	Lumen output (lm)	Colour	Weight (kg)	Pack Carton
<b>Voltage: 220/240 V - 50/60 Hz - Stand alone and/or possibility of dimmer 1-10 V</b>								
GW 87 901	2 (2x16 LED)	3500 K (CRI 85)	54 W	3940	3460	Graphite grey	8.2	1
GW 87 902	3 (3x16 LED)	3500 K (CRI 85)	81 W	5760	5050	Graphite grey	8.8	1
GW 87 903	4 (4x16 LED)	3500 K (CRI 85)	105 W	7540	6610	Graphite grey	9.5	1
GW 87 906	2 (2x16 LED)	4000 K (CRI 70)	54 W	7020	5890	Graphite grey	8.2	1
GW 87 907	3 (3x16 LED)	4000 K (CRI 70)	81 W	10230	8590	Graphite grey	8.8	1
GW 87 908	4 (4x16 LED)	4000 K (CRI 70)	105 W	13400	11240	Graphite grey	9.5	1
GW 87 911	2 (2x16 LED)	3500 K (CRI 85)	54 W	3940	3460	Aluminium	8.2	1
GW 87 912	3 (3x16 LED)	3500 K (CRI 85)	81 W	5760	5050	Aluminium	8.8	1
GW 87 913	4 (4x16 LED)	3500 K (CRI 85)	105 W	7540	6610	Aluminium	9.5	1
GW 87 916	2 (2x16 LED)	4000 K (CRI 70)	54 W	7020	5890	Aluminium	8.2	1
GW 87 917	3 (3x16 LED)	4000 K (CRI 70)	81 W	10230	8590	Aluminium	8.8	1
GW 87 918	4 (4x16 LED)	4000 K (CRI 70)	105 W	13400	11240	Aluminium	9.5	1
<b>Voltage: 220/240 V - 50/60 Hz - Bi-power with self-learning</b>								
GW 87 921	2 (2x16 LED)	3500 K (CRI 85)	54 W	3940	3460	Graphite grey	8.2	1
GW 87 922	3 (3x16 LED)	3500 K (CRI 85)	81 W	5760	5050	Graphite grey	8.8	1
GW 87 923	4 (4x16 LED)	3500 K (CRI 85)	105 W	7540	6610	Graphite grey	9.5	1
GW 87 926	2 (2x16 LED)	4000 K (CRI 70)	54 W	7020	5890	Graphite grey	8.2	1
GW 87 927	3 (3x16 LED)	4000 K (CRI 70)	81 W	10230	8590	Graphite grey	8.8	1
GW 87 928	4 (4x16 LED)	4000 K (CRI 70)	105 W	13400	11240	Graphite grey	9.5	1
GW 87 931	2 (2x16 LED)	3500 K (CRI 85)	54 W	3940	3460	Aluminium	8.2	1
GW 87 932	3 (3x16 LED)	3500 K (CRI 85)	81 W	5760	5050	Aluminium	8.8	1
GW 87 933	4 (4x16 LED)	3500 K (CRI 85)	105 W	7540	6610	Aluminium	9.5	1
GW 87 936	2 (2x16 LED)	4000 K (CRI 70)	54 W	7020	5890	Aluminium	8.2	1
GW 87 937	3 (3x16 LED)	4000 K (CRI 70)	81 W	10230	8590	Aluminium	8.8	1
GW 87 938	4 (4x16 LED)	4000 K (CRI 70)	105 W	13400	11240	Aluminium	9.5	1

NB: to be completed with the accessories of the "Gewiss poles and side brackets" section.

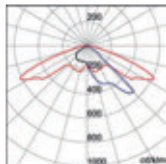
NOTES: the data refer to 550 mA.

Full prog.driver setted in self learning Bi-power mode (50% reduction from 1 h previous to 4 h after the mid point switch on period).

due to the continuous changes with the LED technologies, the technical data can undertake variations.

The nominal flux is referred to Tj=85°C.

#### Photometric distributions



ST1 optic

**LED - CYCLE AND PEDESTRIAN OPTIC**



GW S7 501



**URBAN LIGHTING DEVICES IN DIE-CAST ALUMINIUM - IP66  
LED MODULES POWERED AT 550 MA WITH PMMA LENSES**



Code	Number of modules	Colour temperature	System power	Nominal flux (lm)	Lumen output (lm)	Colour	Weight (kg)	Pack Carton
<b>Voltage: 220/240 V - 50/60 Hz - Stand alone and/or possibility of dimmer 1-10 V</b>								
GW S7 501	2 (2x16 LED)	3500 K (CRI 85)	54 W	3940	3240	Graphite grey	8.2	1
GW S7 502	3 (3x16 LED)	3500 K (CRI 85)	81 W	5760	4740	Graphite grey	8.8	1
GW S7 503	4 (4x16 LED)	3500 K (CRI 85)	105 W	7540	6210	Graphite grey	9.5	1
GW S7 506	2 (2x16 LED)	4000 K (CRI 70)	54 W	7020	5520	Graphite grey	8.2	1
GW S7 507	3 (3x16 LED)	4000 K (CRI 70)	81 W	10230	8060	Graphite grey	8.8	1
GW S7 508	4 (4x16 LED)	4000 K (CRI 70)	105 W	13400	10560	Graphite grey	9.5	1
GW S7 511	2 (2x16 LED)	3500 K (CRI 85)	54 W	3940	3240	Aluminium	8.2	1
GW S7 512	3 (3x16 LED)	3500 K (CRI 85)	81 W	5760	4740	Aluminium	8.8	1
GW S7 513	4 (4x16 LED)	3500 K (CRI 85)	105 W	7540	6210	Aluminium	9.5	1
GW S7 516	2 (2x16 LED)	4000 K (CRI 70)	54 W	7020	5520	Aluminium	8.2	1
GW S7 517	3 (3x16 LED)	4000 K (CRI 70)	81 W	10230	8060	Aluminium	8.8	1
GW S7 518	4 (4x16 LED)	4000 K (CRI 70)	105 W	13400	10560	Aluminium	9.5	1
GW S7 501 B	2 (2x16 LED)	3500 K (CRI 85)	54 W	3940	3240	Midnight blue	8.2	1
GW S7 502 B	3 (3x16 LED)	3500 K (CRI 85)	81 W	5760	4740	Midnight blue	8.8	1
GW S7 503 B	4 (4x16 LED)	3500 K (CRI 85)	105 W	7540	6210	Midnight blue	9.5	1
<b>Voltage: 220/240 V - 50/60 Hz - Bi-power with self-learning</b>								
GW S7 521	2 (2x16 LED)	3500 K (CRI 85)	54 W	3940	3240	Graphite grey	8.2	1
GW S7 522	3 (3x16 LED)	3500 K (CRI 85)	81 W	5760	4740	Graphite grey	8.8	1
GW S7 523	4 (4x16 LED)	3500 K (CRI 85)	105 W	7540	6210	Graphite grey	9.5	1
GW S7 526	2 (2x16 LED)	4000 K (CRI 70)	54 W	7020	5520	Graphite grey	8.2	1
GW S7 527	3 (3x16 LED)	4000 K (CRI 70)	81 W	10230	8060	Graphite grey	8.8	1
GW S7 528	4 (4x16 LED)	4000 K (CRI 70)	105 W	13400	10560	Graphite grey	9.5	1
GW S7 531	2 (2x16 LED)	3500 K (CRI 85)	54 W	3940	3240	Aluminium	8.2	1
GW S7 532	3 (3x16 LED)	3500 K (CRI 85)	81 W	5760	4740	Aluminium	8.8	1
GW S7 533	4 (4x16 LED)	3500 K (CRI 85)	105 W	7540	6210	Aluminium	9.5	1
GW S7 536	2 (2x16 LED)	4000 K (CRI 70)	54 W	7020	5520	Aluminium	8.2	1
GW S7 537	3 (3x16 LED)	4000 K (CRI 70)	81 W	10230	8060	Aluminium	8.8	1
GW S7 538	4 (4x16 LED)	4000 K (CRI 70)	105 W	13400	10560	Aluminium	9.5	1

**NB:** to be completed with the accessories of the "Gewiss poles and side brackets" section.

**NOTES:** the data refer to 550 mA.

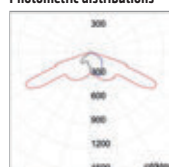
1-10 V stand alone and/or dimmerable versions: Driver adjustable at different LED current.

Full prog.driver setted in self learning Bi-power mode (50% reduction from 1 h previous to 4 h after the mid point switch on period).

Due to the continuous changes with the LED technologies, the technical data can undertake variations.

The nominal flux is referred to Tj=85°C.

**Photometric distributions**

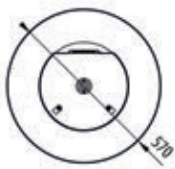


Cycle ped.optic

## LED - ELLIPTICAL OPTIC



GW S7 551



### URBAN LIGHTING DEVICES IN DIE-CAST ALUMINIUM - IP66 LED MODULES POWERED AT 550 MA WITH PMMA LENSES



CONSTANT  
CURRENT  
DRIVER

5 YEARS  
WARRANTY



Code	Number of modules	Colour temperature	System power	Nominal flux (lm)	Lumen output (lm)	Colour	Weight (kg)	Pack Carton
<b>Voltage: 220/240 V - 50/60 Hz - Stand alone and/or possibility of dimmer 1-10 V</b>								
GW S7 551	2 (2x16 LED)	3500 K (CRI 85)	54 W	3940	3460	Graphite grey	8.2	1
GW S7 552	3 (3x16 LED)	3500 K (CRI 85)	81 W	5760	5050	Graphite grey	8.8	1
GW S7 553	4 (4x16 LED)	3500 K (CRI 85)	105 W	7540	6610	Graphite grey	9.5	1
GW S7 556	2 (2x16 LED)	4000 K (CRI 70)	54 W	7020	5890	Graphite grey	8.2	1
GW S7 557	3 (3x16 LED)	4000 K (CRI 70)	81 W	10230	8590	Graphite grey	8.8	1
GW S7 558	4 (4x16 LED)	4000 K (CRI 70)	105 W	13400	11240	Graphite grey	9.5	1
GW S7 561	2 (2x16 LED)	3500 K (CRI 85)	54 W	3940	3460	Aluminium	8.2	1
GW S7 562	3 (3x16 LED)	3500 K (CRI 85)	81 W	5760	5050	Aluminium	8.8	1
GW S7 563	4 (4x16 LED)	3500 K (CRI 85)	105 W	7540	6610	Aluminium	9.5	1
GW S7 566	2 (2x16 LED)	4000 K (CRI 70)	54 W	7020	5890	Aluminium	8.2	1
GW S7 567	3 (3x16 LED)	4000 K (CRI 70)	81 W	10230	8590	Aluminium	8.8	1
GW S7 568	4 (4x16 LED)	4000 K (CRI 70)	105 W	13400	11240	Aluminium	9.5	1
<b>Voltage: 220/240 V - 50/60 Hz - Bi-power with self-learning</b>								
GW S7 571	2 (2x16 LED)	3500 K (CRI 85)	54 W	3940	3460	Graphite grey	8.2	1
GW S7 572	3 (3x16 LED)	3500 K (CRI 85)	81 W	5760	5050	Graphite grey	8.8	1
GW S7 573	4 (4x16 LED)	3500 K (CRI 85)	105 W	7540	6610	Graphite grey	9.5	1
GW S7 576	2 (2x16 LED)	4000 K (CRI 70)	54 W	7020	5890	Graphite grey	8.2	1
GW S7 577	3 (3x16 LED)	4000 K (CRI 70)	81 W	10230	8590	Graphite grey	8.8	1
GW S7 578	4 (4x16 LED)	4000 K (CRI 70)	105 W	13400	11240	Graphite grey	9.5	1
GW S7 581	2 (2x16 LED)	3500 K (CRI 85)	54 W	3940	3460	Aluminium	8.2	1
GW S7 582	3 (3x16 LED)	3500 K (CRI 85)	81 W	5760	5050	Aluminium	8.8	1
GW S7 583	4 (4x16 LED)	3500 K (CRI 85)	105 W	7540	6610	Aluminium	9.5	1
GW S7 586	2 (2x16 LED)	4000 K (CRI 70)	54 W	7020	5890	Aluminium	8.2	1
GW S7 587	3 (3x16 LED)	4000 K (CRI 70)	81 W	10230	8590	Aluminium	8.8	1
GW S7 588	4 (4x16 LED)	4000 K (CRI 70)	105 W	13400	11240	Aluminium	9.5	1

**NB:** to be completed with the accessories of the "Gewiss poles and side brackets" section.

**NOTES:** the data refer to 550 mA.

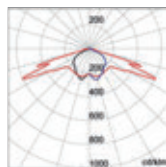
1-10 V stand alone and/or dimmable versions: Driver adjustable at different LED current.

Full prog.driver setted in self learning Bi-power mode (50% reduction from 1 h previous to 4 h after the mid point switch on period).

Due to the continuous changes with the LED technologies, the technical data can undertake variations.

The nominal flux is referred to T<sub>j</sub>=85°C.

#### Photometric distributions



Elliptical optic



## GEWISS POLES AND SIDE BRACKETS



GW 87 981

### KIT FOR PASTORAL POLE

Code	Description	Colour	Weight (kg)	Pack Carton
GW 87 981	Conical pole fixing	Graphite grey	11	1
GW 87 982	Fixing on pole with slots	Graphite grey	11	1
GW 87 991	Conical pole fixing	Aluminium	11	1
GW 87 992	Fixing on pole with slots	Aluminium	11	1



GW 87 983

### PASTORAL POLE KIT FOR WALL-MOUNTING

Code	Description	Colour	Weight (kg)	Pack Carton
GW 87 983	Wall fixing	Graphite grey	10	1
GW 87 993	Wall fixing	Aluminium	10	1



GW 87 984


### POLE HEAD BRACKETS WITH FLAT SIDE BRACKET FOR CONICAL POLES

Code	Description	Length	Colour	Weight (kg)	Pack Carton
GW 87 984	Single	1000 mm	Graphite grey	9.5	1
GW 87 985	Double	2000 mm	Graphite grey	17.5	1
GW 87 986	Single intermediate	1000 mm	Graphite grey	9.5	1
GW 87 994	Single	1000 mm	Aluminium	9.5	1
GW 87 995	Double	2000 mm	Aluminium	17.5	1
GW 87 996	Single intermediate	1000 mm	Aluminium	9.5	1



GW 87 987



### SUSPENDED POLE HEAD BRACKETS FOR CYLINDRICAL POLES

Code	Description	Colour	Weight (kg)	Pack Carton
GW 87 987	Single	Graphite grey	6.5	1
 GW 87 987 B	Single	Midnight blue	6.5	1
GW 87 997	Single	Aluminium	6.5	1



GW 87 691

## CYLINDRICAL POLES PAINTED

Code	Total length (m)	Planting (m)	Base diameter (mm)	Top diameter (mm)	Colour	Weight (kg)	Pack Carton
GW 87 691	4	0.5	102	60	Graphite grey	31	1
GW 87 692	4.5	0.5	102	60	Graphite grey	35	1
GW 87 696	4	0.5	102	60	Aluminium	31	1
GW 87 697	4.5	0.5	102	60	Aluminium	35	1
 GW 87 691 B	4	0.5	102	60	Midnight blue	31	1
 GW 87 692 B	4.5	0.5	102	60	Midnight blue	35	1

NOTE: painted poles in hot galvanised steel complete with a junction terminal block



GW 87 591

## CONICAL POLES PAINTED

Code	Total length (m)	Planting (m)	Base diameter (mm)	Top diameter (mm)	Colour	Weight (kg)	Pack Carton
GW 87 591	6.8	0.8	128	60	Graphite grey	48	1
GW 87 592	8.8	0.8	148	60	Graphite grey	91	1
GW 87 593	9.8	0.8	158	60	Graphite grey	107	1
GW 87 596	6.8	0.8	128	60	Aluminium	48	1
GW 87 597	8.8	0.8	148	60	Aluminium	69	1
GW 87 598	9.8	0.8	158	60	Aluminium	81	1

NOTE: painted poles in hot galvanised steel complete with a junction terminal block.



GW 86 527

## POLES WITH SLOTS FOR PLANTING



Code	Material	Length (mm)	Planting recommended	Colour	Weight (kg)	Pack Carton
GW 86 527	Extruded aluminium	3500	500 mm	Graphite grey	17.8	1
GW 86 528	Extruded aluminium	4600	600 mm	Graphite grey	23	1
GW 86 529	Extruded aluminium	5800	800 mm	Graphite grey	28.6	1

NOTES: poles complete with pole terminal and junction terminal block. Poles suited only for private areas.



GW 86 530

## POLES WITH SLOTS FOR ASSEMBLY ON AN EXTERNAL BASE



Code	Material	Length (mm)	Colour	Weight (kg)	Pack Carton
GW 86 530	Extruded aluminium	3000	Graphite grey	15.4	1
GW 86 531	Extruded aluminium	4000	Graphite grey	20.2	1

NOTES: poles complete with pole terminal and junction terminal block. Poles suited only for private areas.



GW 86 533

**POLE SUPPORT BASE FOR EXTERNAL ASSEMBLY**

Code	Material	Weight (kg)	Pack Carton
GW 86 533	Galvanised iron	7.2	1

**CHARACTERISTICS:** the fixing of the base + pole assembly to the concrete is made either with clamps drowned in the concrete, or with wall plugs with max screw Ø = 12mm.



GW 86 526

**ATTRACTIVE POLE-COVERING BASE**

Code	Material	Colour	Weight (kg)	Pack Carton
GW 86 526	Turn aluminium	Graphite grey	1.5	1



GW 86 524

**CABLES - POLE CLOSING PROFILE**

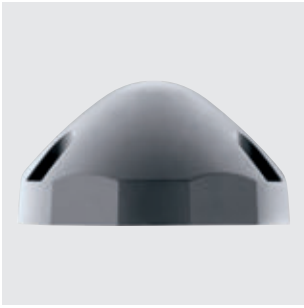
Code	Material	Length (mm)	Colour	Weight (kg)	Pack Carton
GW 86 524	EPDM rubber	3000	Black	0.7	1



GW 86 523

**UNIVERSAL ADAPTER**

Code	Material	Weight (kg)	Pack Carton
GW 86 523	Black galvanised steel	0.1	1/4



GW 86 522

## POLE TERMINAL

Code	Material	Colour	Weight (kg)	Pack Carton
GW 86 522	Nylon	Graphite grey	0.2	1/4

# Urban [O<sub>3</sub>]



## VERSATILE INSTALLATION



Urban [O<sub>3</sub>] can be coordinated with different supports: single or double pole head, side bracket or suspension. Various installation heights are possible, to suit the particular application environment.

## DECORATIVE DESIGN



Urban lighting reaches installation heights that are not too high, and includes devices that are especially evident in the visual field. The body design therefore becomes a part of the urban lighting.

## 5-YEAR WARRANTY




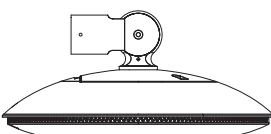

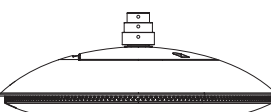

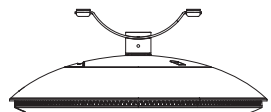
This Led Lighting Gewiss range benefit from a full five-year warranty.

## Technical characteristics












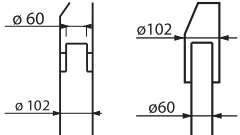
<b>INSTALLATION</b>	External
<b>COLOUR</b>	Graphite grey/Aluminium grey/Midnight blue
<b>MATERIALS</b>	
<b>Body</b>	Die-cast aluminium EN AB 46100
<b>Heat sink</b>	Aluminium extrusion - range 6000
<b>Lenses</b>	Integrated in the shield
<b>Shield</b>	PMMA

<b>DEGREE OF PROTECTION</b>	IP66
<b>IMPACT RESISTANCE</b>	IK08 / IK06
<b>INSULATION CLASS</b>	II
<b>LIFETIME</b>	L80B10 @+25°C >100.000h L90B20 @+25°C >50.000h
<b>MARKS</b>	CE

## Possible compositions for systems for commercial side brackets

<b>SIDE COUPLING</b>	 + <b>Commercial side brackets</b>	- Ø Min. 55 mm - Ø Max. 65 mm		<b>Notes</b> Complete system for coupling on commercial poles
<b>UPPER COUPLING</b>	 + <b>Commercial side brackets</b>	- Ø Min. 48 mm - Ø Max. 60 mm		<b>Notes</b> Complete system for coupling on poles with Ø 48 mm or Ø 60 mm  Fixing of poles to the bush with three holes Ø 7.5 mm at 120°
<b>SUSPENSION</b>	 + <b>Metal ropes</b>			<b>Notes</b> Complete system for installation on metal ropes

## Possible compositions for GEWISS side bracket systems

	<p style="text-align: center;"><b>Single intermediate side bracket</b></p>  <p style="text-align: center;">GW 87 901 / GW 87 968</p> <p style="text-align: center;">GW 87 986 * o GW 87 996 *</p>	OR	<p style="text-align: center;"><b>Single pole-head</b></p>  <p style="text-align: center;">GW 87 984 * o GW 87 994 *</p>	OR	<p style="text-align: center;"><b>Double pole-head</b></p>  <p style="text-align: center;">GW 87 985 * o GW 87 995 *</p>	<p><b>Notes</b> Possibility of completing the system with Gewiss pole (Ø 60 mm)</p>
	<p style="text-align: center;"><b>For conical pole</b></p>  <p style="text-align: center;">GW 87 901 / GW 87 968</p> <p style="text-align: center;">GW 87 981 * o GW 87 991 *</p>	OR	<p style="text-align: center;"><b>For Place pole</b></p>  <p style="text-align: center;">GW 87 982 * o GW 87 992 *</p>		<p><b>Notes</b> Possibility to assemble dual side bracket solutions. (GW code x 2)</p>	
	<p style="text-align: center;"><b>Surface-mounting</b></p>  <p style="text-align: center;">GW 87 901 / GW 87 968</p> <p style="text-align: center;">GW 87 983 * o GW 87 993 *</p>					
	<p style="text-align: center;"><b>Suspended pole head</b></p>  <p style="text-align: center;">GW 87 901 / GW 87 968</p> <p style="text-align: center;">GW 87 987 * o GW 87 997 *</p>			<p><b>Notes</b></p>  <p>Gewiss pole configuration      Commercial pole configuration</p>		



\* The installation kit includes the fixing component and the cover.

# Saturno

## Architectural Floodlights



Floodlights in die-cast aluminium of low-medium power and with a compact design are the ideal solution for accentuating architectural details, both indoors and outdoors, and for creating spectacular effects with the aid of colour. The SATURNO floodlights are available with different optics (asymmetric, spot and street). The line is completed with the new BlueGreen versions that blend perfectly into the context of gardens and parks.



Technical characteristics page 149

### SATURNO LED



#### VERSIONS WITH BASE



GW 85 661

#### WIRED VERSIONS - IP65 - CLASS II



EXTENDED WARRANTY

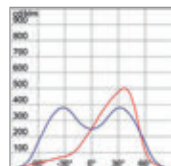
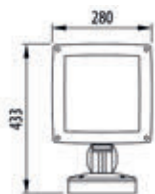


CONSTANT CURRENT DRIVER

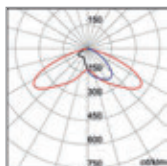
Code	Optic	No. of lamps	Colour temperature	System power	Nominal flux (lm)	Lumen output (lm)	Colour	Pack Carton
<b>Voltage: 220/240 V - 50/60 Hz - Stand alone</b>								
GW 85 661	Asymmetrical	24	4000 K (CRI 65)	50 W	5100	4250	Graphite grey	1
GW 85 662	Street	24	4000 K (CRI 65)	50 W	4680	3900	Graphite grey	1
GW 85 663	16° spotlight	24	4000 K (CRI 65)	50 W	5220	4350	Graphite grey	1
GW 85 661 B	Asymmetrical	24	3000 K (CRI 90)	50 W	3750	2980	Midnight blue	1
GW 85 662 B	Street	24	3000 K (CRI 90)	50 W	3280	2730	Midnight blue	1
GW 85 663 B	16° spotlight	24	3000 K (CRI 90)	50 W	3650	3050	Midnight blue	1

NOTE: due to the continuous changes with the LED technologies, the technical data can undertake variations.

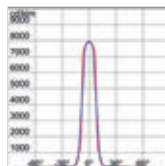
#### Photometric distributions



Asymm.optic



Street optic



Spot 16° optic

## VERSIONS FOR POLE DIAMETER 60/76MM



GW 85 667



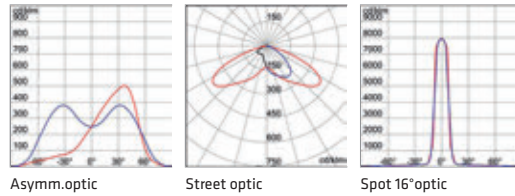
### WIRED VERSIONS - IP65 - CLASS III



Code	Optic	No. of lamps	Colour temperature	System power	Nominal flux (lm)	Lumen output (lm)	Colour	Pack Carton
<b>LED current: 700 mA</b>								
GW 85 666	Asymmetrical	24	4000 K (CRI 65)	50 W	5100	4250	Graphite grey	1
GW 85 667	Street	24	4000 K (CRI 65)	50 W	4680	3900	Graphite grey	1
GW 85 668	16° spotlight	24	4000 K (CRI 65)	50 W	5220	4350	Graphite grey	1

**NOTE:** to be completed with the power supply for the 700 mA SELV LED.  
Due to the continuous changes with the LED technologies, the technical data can undertake variations.

#### Photometric distributions



### LED POWER SUPPLY



GW 85 693

Code	Description	Max. power	Output current	Weight (kg)	Pack Carton
<b>Voltage: 220 / 240 V - 50 / 60 Hz - IP67</b>					
GW 85 693	Power supply for LED SELV	52 W	700 mA	0.3	1

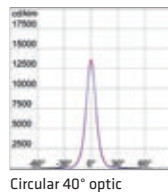
### WIRED VERSIONS WITH P.F. CORRECTION - IP65 - CLASS I



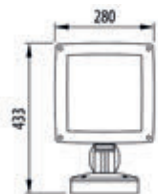
Code	Optic	Lamp	No. of lamps	Overall power	Colour	Weight (kg)	Pack Carton
<b>Voltage: 90 / 260 V - 50 / 60 Hz - Power supply 350 mA</b>							
GW 85 646	Circular 40°	RGB Led	16	48 W	Graphite grey	3	1
GW 85 646 B	Circular 40°	RGB Led	16	48 W	Midnight blue	3	1

**ACCESSORIES SUPPLIED:** 6 DMX channels: Red; Green; Blue; Strobe; Rainbow and dimmer.  
**NOTE:** due to the continuous changes with the LED technologies, the technical data can undertake variations.

#### Photometric distributions



GW 85 646







GW 85 691

**RGB CONTROL MODULE**

Code	No. of manageable devices/units	No. Chorus modules	DMX Channels	Display	Weight (kg)	Pack Carton
<b>Voltage: 12 V - 50/60 Hz</b>						
GW 85 691	10	3	64	O-Led	0.5	1

**NOTE:** to be installed on a Chorus 3 gang frame GW16803. Using the repeater/splitter GW85692, it is possible to increase the number of devices that can be managed. For the KNX-DMX interface, refer to the Domotics catalogue.



GW 85 692

**COMPLEMENTARY ITEMS FOR THE DMX SYSTEM**

Code	Description	Voltage	Number of outputs	Pack Carton
GW 85 692	DMX repeater / splitter	100/240 V - 50/60 Hz	4	1

## COMPLEMENTARY ITEMS FOR INSTALLATION



### POLES



GW 86 527

#### POLES WITH SLOTS FOR PLANTING



Code	Material	Length (mm)	Planting recommended	Colour	Weight (kg)	Pack Carton
GW 86 527	Extruded aluminium	3500	500 mm	Graphite grey	17.8	1
GW 86 528	Extruded aluminium	4600	600 mm	Graphite grey	23	1
GW 86 529	Extruded aluminium	5800	800 mm	Graphite grey	28.6	1

NOTES: poles complete with pole terminal and junction terminal block. Poles suited only for private areas.



GW 86 530

#### POLES WITH SLOTS FOR ASSEMBLY ON AN EXTERNAL BASE



Code	Material	Length (mm)	Colour	Weight (kg)	Pack Carton
GW 86 530	Extruded aluminium	3000	Graphite grey	15.4	1
GW 86 531	Extruded aluminium	4000	Graphite grey	20.2	1

NOTES: poles complete with pole terminal and junction terminal block. Poles suited only for private areas.

## ACCESSORIES FOR POLES WITH SLOTS



GW 86 533

#### POLE SUPPORT BASE FOR EXTERNAL ASSEMBLY

Code	Material	Weight (kg)	Pack Carton
GW 86 533	Galvanised iron	7.2	1

CHARACTERISTICS: the fixing of the base + pole assembly to the concrete is made either with clamps drowned in the concrete, or with wall plugs with max screw Ø = 12mm.



GW 86 526

#### ATTRACTIVE POLE-COVERING BASE

Code	Material	Colour	Weight (kg)	Pack Carton
GW 86 526	Turn aluminium	Graphite grey	1.5	1



GW 86 524

**CABLES - POLE CLOSING PROFILE**

Code	Material	Length (mm)	Colour	Weight (kg)	Pack Carton
GW 86 524	EPDM rubber	3000	Black	0.7	1



GW 86 523

**UNIVERSAL ADAPTER**

Code	Material	Weight (kg)	Pack Carton
GW 86 523	Black galvanised steel	0.1	1/4



GW 86 522

**POLE TERMINAL**

Code	Material	Colour	Weight (kg)	Pack Carton
GW 86 522	Nylon	Graphite grey	0.2	1/4

## COMPLEMENTARY ITEMS



GW 85 685

### EXTENSION FOR POLE WITH SLOTS

Code	Colour	Weight (kg)	Pack Carton
GW 85 685	Graphite grey	2	1/2



GW 85 686

### KIT FOR ASSEMBLY ON POLE WITH SLOTS

Code	Colour	Weight (kg)	Pack Carton
GW 85 686	Graphite grey	0.5	1



GW 85 688

### KIT FOR ASSEMBLY ON ROUND POLE

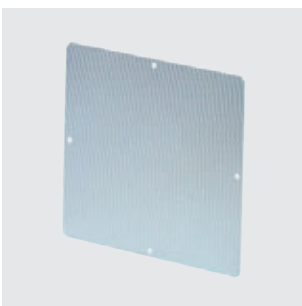
Code	Colour	Weight (kg)	Pack Carton
GW 85 688	Graphite grey	2	1/2



GW 85 682

### OPTICAL COMPONENTS

Code	Description	Colour	Weight (kg)	Pack Carton
GW 85 682	Visor	Graphite grey	0.3	1/5
GW 85 683	Anti-glare louvre	Graphite grey	0.3	1/5



GW 85 681

### SPARE PARTS

Code	Description	Dimensions (mm)	Weight (kg)	Pack Carton
GW 85 681	Tempered glass	248x248	0.7	1
GW 85 687	Serigraphed glass for street optics	248x248	0.7	1

# Saturno



## FREEDOM OF MOVEMENT



Robust central articulated joint with an effective locking system allowing it to be simultaneously adjusted on the two axes. An indicator precisely defines the degrees of rotation.

## ARCHITECTURAL AND URBAN SOLUTIONS



The devices are available in versions with a clip for architectural applications and with a coupling device for pole mounting.

## LED TECHNOLOGY



The variety of optics (spot, asymmetrical, street), together with the use of high performance LED lamps, meets every type of design requirement while also ensuring excellent energy savings.

## Technical characteristics

<b>INSTALLATION</b>	Internal / External
<b>COLOUR</b>	Graphite grey / Midnight blue
<b>MATERIALS</b>	
<b>Body</b>	Die-cast aluminium EN AB 46100
<b>Heat sink</b>	Die-cast aluminium EN AB 46100
<b>Lenses</b>	PMMA
<b>Shield</b>	Flat glass 4 mm

<b>DEGREE OF PROTECTION</b>	IP65
<b>IMPACT RESISTANCE</b>	IK10
<b>INSULATION CLASS</b>	I - II - III (depending on the version)
<b>LIFETIME</b>	B20L70 @ +25°C = 50000h (LED versions)
<b>MARKS</b>	CE

## Design data

Optics	Power	Photo	Footprint	Inst. H	L1 x L2	E ave	E max	Uniformity
SPOT	50 W			3	1 x 1	1964	2835	0,60
				5	730	730	1091	0,50
				7	475	475	559	0,80

Optics	Power	Photo	Footprint	Inst. H	D	L1 x L2	E ave	E max	Uniformity
ASYMMETRICAL	50 W			3	d=1,5	4 x 3	105	131	0,60
				5	d=2	7 x 4,5	39	47	0,60
				7	d=3	9 x 6	20	24	0,64

The above results were obtained using the following parameters:

- Calculation grid step 0.50 m
- Uniformity considered MinE / E ave

# Dedalo

## Architectural Floodlights



Compact, adjustable floodlight of limited power, in die-cast aluminium for decorative architectural use. Dedalo LED is the best solution for both indoor and outdoor applications, in contexts such as access drives, walkways, architectural façades, swimming pool surrounds and gardens. The line is completed with the new BlueGreen versions that blend perfectly into the context of gardens and parks.



**Technical characteristics page 152**

### DEDALO LED



### NARROW BEAM VERSIONS



GW 84 183

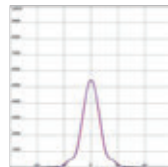
#### WIRED VERSIONS WITH ROUND BASE - IP66 - CLASS II



Code	Optic	No. of lamps	Colour temperature	System power	Nominal flux (lm)	Lumen output (lm)	Colour	Pack Carton
<b>Voltage: 220/240 V - 50/60 Hz - Stand alone</b>								
GW 84 173	Circular 20°	1	3000 K (CRI 80)	18 W	1290	1080	Graphite grey	1
GW 84 183	Circular 20°	1	4000 K (CRI 80)	18 W	1450	1210	Graphite grey	1
GW 84 173 B	Circular 20°	1	3000 K (CRI 80)	18 W	1290	1080	Midnight blue	1

**NOTE:** LED pilot current = 500 mA.  
Due to the continuous changes with the LED technologies, the technical data can undertake variations.

#### Photometric distributions



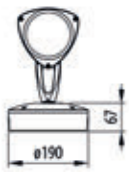
Circular 20° optic



**WIDE BEAM VERSIONS**



GW 84 184



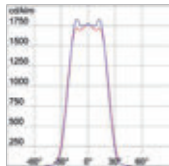
**WIRED VERSIONS WITH ROUND BASE - IP66 - CLASS II**



Code	Optic	No. of lamps	Colour temperature	System power	Nominal flux (lm)	Lumen output (lm)	Colour	Pack Carton
<b>Voltage: 220/240 V - 50/60 Hz - Stand alone</b>								
GW 84 174	Circular 45°	1	3000 K (CRI 80)	18 W	1280	1070	Graphite grey	1
GW 84 184	Circular 45°	1	4000 K (CRI 80)	18 W	1440	1200	Graphite grey	1
GW 84 174 B	Circular 45°	1	3000 K (CRI 80)	18 W	1280	1070	Midnight blue	1

**NOTE:** LED pilot current = 500 mA.  
Due to the continuous changes with the LED technologies, the technical data can undertake variations.

**Photometric distributions**



Circular 45° optic

**OPTICAL COMPONENTS**



Code	Description	Material	Colour	Pack Carton
GW 84 361	Anti-glare louvre	Aluminium	Graphite grey	1/4
GW 84 359	Elliptic lens	Tempered glass		1/4

**SPARE PARTS**



GW 88 281

Code	Description	Weight (kg)	Pack Carton
GW 88 281	Transparent glass	0.1	1/5

# Dedalo



## AIMING PRECISION



The graduated goniometric scale, stamped on the bracket, ensures extremely accurate pointing.

## LED TECHNOLOGY



The versions with 18W multichip LED, narrow to medium beam, enrich the range of new design solutions.

## ADJUSTMENT



The device can be adjusted on both its horizontal and vertical axes. Pointing is ensured by the mechanical tightening of two stainless steel lock screws.

## Technical characteristics

<b>INSTALLATION</b>	Internal / External
<b>COLOUR</b>	Graphite grey / Midnight blue
<b>MATERIALS</b>	
<b>Body</b>	Die-cast aluminium EN AB 46100
<b>Heat sink</b>	Die-cast aluminium EN AB 46100
<b>Lenses</b>	PMMA
<b>Shield</b>	Flat glass 4 mm

<b>DEGREE OF PROTECTION</b>	IP66
<b>IMPACT RESISTANCE</b>	IK09
<b>INSULATION CLASS</b>	I - II (depending on the version)
<b>LIFETIME</b>	B10L70 @ +25°C = 50000h (LED versions)
<b>MARKS</b>	CE

## Design data

LED	Power	Lumen Output	Opening beam	Beam	H (m)	Ø (cm)	E ave	Uniform min/ave *
	1 LED - 18 Watt GW 84 183	1200	20°		4	150	233	0,67
					6	200	111	0,73
					8	250	65	0,76
	1 LED - 18 Watt GW 84 184	1200	45°		4	300	89	0,72
					6	400	42	0,83
					8	500	24	0,88

\* Uniformity considered - min/ave



# Trilight

## Bollards



TRILIGHT is a LED urban lighting device in aluminium, ideal for creating atmospheric lighting in green areas. It has a triangular section with 6 white LEDs for standard lighting, plus 3 LEDs (white, blue or amber) for light signalling. The line is completed with the new BlueGreen versions that blend perfectly into the context of gardens and parks.

Technical characteristics page 154

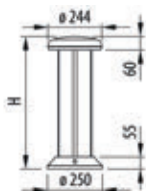
## TRILIGHT



### RESIDENTIAL / URBAN DECORATIVE DEVICES



GW 82 089



### WIRED VERSIONS WITH LED SOURCES - CLASS I



CONSTANT CURRENT DRIVER

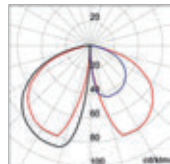


EXTENDED WARRANTY

Code	No. of lamps	System power	Main lamp	Light signalling lamp	Height H (mm)	Colour	Weight (kg)	Pack Carton
<b>Voltage: 220/230 V - 50/60 Hz</b>								
GW 82 081	6+3	27 W	White Led - 6300 K	Amber	350	Aluminium	4	1
GW 82 082	6+3	27 W	White Led - 6300 K	White	350	Aluminium	4	1
GW 82 083	6+3	27 W	White Led - 6300 K	Blue	350	Aluminium	4	1
GW 82 084	6+3	27 W	White Led - 6300 K	Amber	550	Aluminium	4.8	1
GW 82 085	6+3	27 W	White Led - 6300 K	White	550	Aluminium	4.8	1
GW 82 086	6+3	27 W	White Led - 6300 K	Blue	550	Aluminium	4.8	1
GW 82 087	6+3	27 W	White Led - 6300 K	Amber	950	Aluminium	6.4	1
GW 82 088	6+3	27 W	White Led - 6300 K	White	950	Aluminium	6.4	1
GW 82 089	6+3	27 W	White Led - 6300 K	Blue	950	Aluminium	6.4	1
GW 82 082 B	6+3	27 W	White Led - 3000 K	White	350	Midnight blue	4	1
GW 82 085 B	6+3	27 W	White Led - 3000 K	White	550	Midnight blue	4.8	1
GW 82 088 B	6+3	27 W	White Led - 3000 K	White	950	Midnight blue	6.4	1

NOTE: due to the continuous changes with the LED technologies, the technical data can undertake variations.

### Photometric distributions



27 W



GW 82 096

### COMPLEMENTARY ITEMS FOR INSTALLATION

Code	Description	Material	Pack Carton
GW 82 096	Anchorage plate	Hot galvanised steel	1

# Trilight



## LIGHT AND COLOUR



The devices of the Trilight range have dual ignition: one for the ordinary lighting with white light and one for signalling with coloured light.

## NO STOP WATER



The rounded shape not only gives the product a strong design quality but also lets water run off, preventing it collecting on the bottom.

## CREATIVITY AND LIGHTING











The side LED, used for light signalling, are available in white, blue and amber to create a suggestive atmosphere in every context.

## Technical characteristics

<b>INSTALLATION</b>	External
<b>COLOUR</b>	Graphite grey and/or Midnight blue
<b>MATERIALS</b>	
<b>Body</b>	PC
<b>Antiglare Louvre</b>	PMMA
<b>Shield</b>	PC

<b>DEGREE OF PROTECTION</b>	IP55
<b>IMPACT RESISTANCE</b>	IK10
<b>INSULATION CLASS</b>	II
<b>MARKS</b>	CE

SOURCE						
				Code	Height (mm)	Total power
LED (230 V)		White	Amber	GW 82 081	350	27 W
				GW 82 084	550	27 W
				GW 82 087	950	27 W
		White	White	GW 82 082	350	27 W
				GW 82 085	550	27 W
				GW 82 088	950	27 W
		White	Blue	GW 82 083	350	27 W
				GW 82 086	550	27 W
				GW 82 089	950	27 W

SOURCE						
				Code	Height (mm)	Total power
LED (230 V)		White	White	GW 82 082 B	350	27 W
				GW 82 085 B	550	27 W
				GW 82 088 B	950	27 W

# Luxor Led



## LED Uplights

The Luxor range consists of ground flush-mounting devices in full-dry die-cast aluminium for decorative architectural use. Designed for both indoor and outdoor applications, Luxor is particularly suitable in contexts where lighting performance needs to be combined with mechanical performance, while still ensuring compact dimensions to facilitate installation and maintenance operations.



Technical characteristics page 162

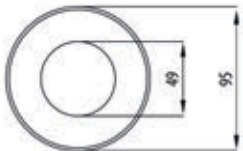
## WALK-ON FLUSH-MOUNTING LUMINAIRES



### LUXOR 80 - VERSIONS WITH STAINLESS STEEL FLANGE



GW 82 961



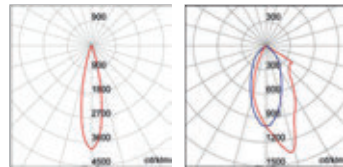
#### LED VERSIONS WITH STAINLESS STEEL RING - IP68



Code	Lamp power	Lamp	Beam opening	Use category	Weight (kg)	Pack Carton
<b>Current: 350 mA</b>						
GW 82 961	3x1 W	White Led - 4000 K	30°	5	0.5	1
GW 82 963	1 W	White Led - 4000 K	asymm.	5	0.5	1

NOTES: outer casing included. Versions 350 mA to be completed with external constant current power supply. Use category in compliance with Standard EN 60598-2-13.

#### Photometric distributions



30°

Asymmetrical

#### COMPLEMENTARY ITEMS FOR INSTALLATION

Code	Description	Pack Carton
GW 82 883	LED power supply 4W 350mA IP67	1/5

# Luxor LED

## DRIVE-OVER FLUSH-MOUNTING LUMINAIRES 2500KG



### LUXOR 100 - VERSIONS WITH ALUMINIUM FLANGE



GW 82 912



#### VERSIONS WITH BLACK RING - IP68



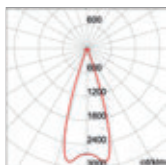
CONSTANT  
CURRENT  
DRIVER

Code	Lamp power	Lamp	Beam opening	Use category	Weight (kg)	Pack Carton
<b>Voltage: 230V - 50 / 60 Hz</b>						
GW 82 912	3x1 W	White Led - 3000 K	35°	5	1.2	1
GW 82 913	3x1 W	Blue led	35°	5	1.2	1

**NOTE:** outer casing included.

Use category in compliance with standard EN 60598-2-13.

#### Photometric distributions



35°

### LUXOR 100 - VERSIONS WITH STAINLESS STEEL FLANGE



GW 82 922



#### VERSIONS WITH STAINLESS STEEL RING - IP68



CONSTANT  
CURRENT  
DRIVER

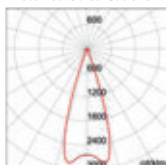
EXTENDED  
WARRANTY

Code	Lamp power	Lamp	Beam opening	Use category	Weight (kg)	Pack Carton
<b>Voltage: 230V - 50 / 60 Hz</b>						
GW 82 922	3x1 W	White Led - 3000 K	35°	5	1.3	1
GW 82 923	3x1 W	Blue led	35°	5	1.3	1

**NOTE:** outer casing included.

Use category in compliance with standard EN 60598-2-13.

#### Photometric distributions

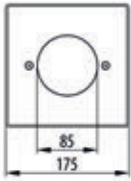


35°

**VERSIONS WITH STAINLESS STEEL FRAME - IP68**



GW 82 927





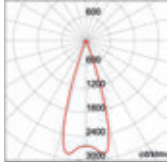





Code	Lamp power	Lamp	Beam opening	Use category	Weight (kg)	Pack Carton
<b>Voltage: 230V - 50 / 60 Hz</b>						
GW 82 927	3x1 W	White Led - 3000 K	35°	5	1.3	1
GW 82 928	3x1 W	Blue led	35°	5	1.3	1

**NOTE:** outer casing included.  
Use category in compliance with standard EN 60598-2-13.

**Photometric distributions**

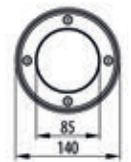


35°

**LUXOR 100 L - VERSIONS WITH ALUMINIUM FLANGE**



GW 82 933



**VERSIONS WITH BLACK RING - IP68**



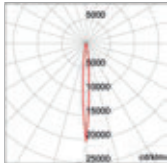




Code	Lamp power	Lamp	Beam opening	Use category	Weight (kg)	Pack Carton
<b>Voltage: 220 / 240 V - 50 / 60 Hz</b>						
GW 82 933	3x1 W	White Led - 3000 K	8°	5	2.2	1
GW 82 934	3x1 W	Blue led	8°	5	2.2	1

**NOTES:** outer casing included.  
use category in compliance with standard EN 60598-2-13.

**Photometric distributions**



8°

## LUXOR 100 L - VERSIONS WITH STAINLESS STEEL FLANGE



GW 82 943



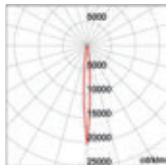
### VERSIONS WITH STAINLESS STEEL RING - IP68



Code	Lamp power	Lamp	Beam opening	Use category	Weight (kg)	Pack Carton
<b>Voltage: 220 / 240 V - 50 / 60 Hz</b>						
GW 82 943	3x1 W	White Led - 3000 K	8°	5	2.3	1
GW 82 944	3x1 W	Blue led	8°	5	2.3	1

**NOTES:** outer casing included.  
use category in compliance with standard EN 60598-2-13.

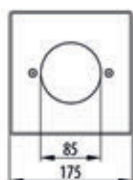
#### Photometric distributions



8°



GW 82 948



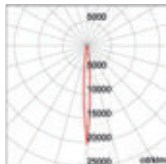
### VERSIONS WITH STAINLESS STEEL FRAME - IP68



Code	Lamp power	Lamp	Beam opening	Use category	Weight (kg)	Pack Carton
<b>Voltage: 220 / 240 V - 50 / 60 Hz</b>						
GW 82 948	3x1 W	White Led - 3000 K	8°	5	2.3	1
GW 82 949	3x1 W	Blue led	8°	5	2.3	1

**NOTES:** outer casing included.  
use category in compliance with standard EN 60598-2-13.

#### Photometric distributions



8°

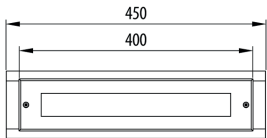
**WALK-ON FLUSH-MOUNTING LUMINAIRES 500KG**



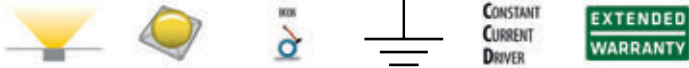
**LUXOR 400 - VERSIONS WITH STAINLESS STEEL FLANGE**



GW 82 993



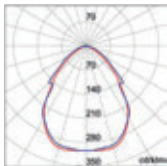
**VERSIONS WITH STAINLESS STEEL FRAME - IP67**



Code	Lamp power	Lamp	Beam opening	Use category	Weight (kg)	Pack Carton
<b>Voltage: 220 / 240 V - 50 / 60 Hz</b>						
GW 82 993	6x1 W	White Led - 3000 K	symm. 90°	5	3.2	1

**NOTES:** outer casing included.  
use category in compliance with standard EN 60598-2-13.

**Photometric distributions**



Symmetrical 90°

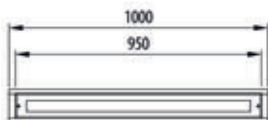
## DRIVE-OVER FLUSH-MOUNTING LUMINAIRES 2000 KG



### LUXOR 900 - VERSIONS WITH STAINLESS STEEL FLANGE



GW 82 998



#### VERSIONS WITH STAINLESS STEEL FRAME - IP67



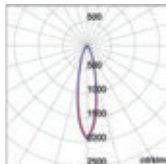
CONSTANT  
CURRENT  
DRIVER

EXTENDED  
WARRANTY

Code	Lamp power	Lamp	Beam opening	Use category	Weight (kg)	Pack Carton
<b>Voltage: 220 / 240 V - 50 / 60 Hz</b>						
GW 82 998	18x1 W	White Led - 3000 K	symm. 90°	5	6.5	1

NOTES: outer casing included.  
use category in compliance with standard EN 60598-2-13.

#### Photometric distributions



Symmetrical 90°



## UPLIGHT ACCESSORIES



GW 82 967

### COMPLEMENTARY ITEMS FOR INSTALLATION

Code	Description	Material	Pack Carton
<b>GW 82 882</b>	Feedthrough connector Luxor flush-mounting element		1/10
<b>GW 82 966</b>	Cylindrical outer casing for Luxor 80	Technopolymer	1
<b>GW 82 967</b>	Widened outer casing for Luxor 80	Technopolymer	1
<b>GW 82 886</b>	Luxor 100 outer casing	Technopolymer	1
<b>GW 82 887</b>	Luxor 100L outer casing	Technopolymer	1
<b>GW 82 889</b>	Luxor 400 outer casing	AISI 304 stainless steel	1
<b>GW 82 890</b>	Luxor 900 outer casing	AISI 304 stainless steel	1

**NOTE:** GW82882 for use inside the outer casing with LUXOR 100, you must use the outer casing GW82887

# Luxor LED

## COMPACTNESS AND RESISTANCE



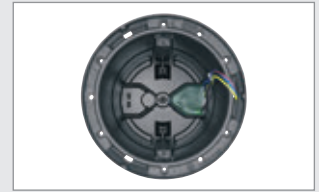
The use of materials with high mechanical characteristics guarantees the drive-over capacity of the devices without compromising their compactness. Powder painting, with a prior galvanic treatment, further protects the aluminium die-cast components

## EASY MAINTENANCE



The special characteristics of the body and outer casing mean orientation is no longer an installation issue: the device can be directed as required, regardless of the outer casing installation position. The product is supplied together with the cable, facilitating installation operations without compromising the degree of protection of the device.

## ANTI-CONDENSATION PROTECTION



The integrated design of the components means an IP 68 degree of protection can be reached. The resin finish around the cable inlet prevents the formation of condensation inside the device.

## Technical characteristics

<b>INSTALLATION</b>	Internal / External - Flush-mounting in the ground	<b>DEGREE OF PROTECTION</b>	IP67 / IP68 (depending on the version)
<b>COLOUR</b>	Black or with steel finish	<b>IMPACT RESISTANCE</b>	IK07 / IK08 (depending on the version)
<b>MATERIALS</b>		<b>INSULATION CLASS</b>	I - III (depending on the version)
<b>Body</b>	Die-cast aluminium	<b>LIFETIME</b>	
<b>Frame</b>	Stainless steel	<b>MARKS</b>	CE
<b>Flush-mounting</b>	Technopolymer or stainless steel		
<b>Lenses</b>	PMMA (where envisaged)		
<b>Shield</b>	Flat glass		

# Luxor Wall LED



## Wall-recessed fittings

The Luxor Wall LED range consists of ground flush-mounting devices in full-dry die-cast aluminium for decorative architectural use. The best solution for both indoor and outdoor applications, in contexts such as walkways, stairs, access drives and stair riser lamps.



Technical characteristics page 168

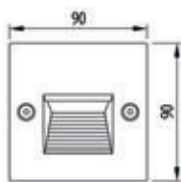
## WALL RECESSED LUMINAIRES



### LUXOR WALL 90



GW 82 801



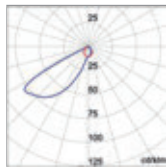
#### VERSIONS WITH ALUMINIUM FRAME - IP65



Code	Lamp power	Lamp	Colour	Weight (kg)	Pack Carton
<b>Voltage: 220/230 V - 50/60 Hz</b>					
GW 82 801	1x4 W	White Led - 6300 K	Aluminium	0.3	1
GW 82 101	1x4 W	White Led - 6300 K	Graphite grey	0.3	1

NOTES: outer casing included.

#### Photometric distributions



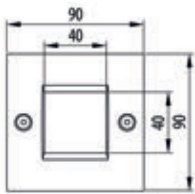
1x4 W

# Luxor Wall

## LUXOR WALL 90 S



GW 82 806



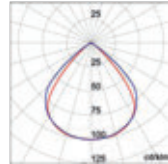
### VERSIONS WITH ALUMINIUM FRAME - IP65



Code	Lamp power	Lamp	Colour	Weight (kg)	Pack Carton
<b>Voltage: 220/230 V - 50/60 Hz</b>					
GW 82 806	1x4 W	White Led - 6300 K	Aluminium	0.3	1
GW 82 106	1x4 W	White Led - 6300 K	Graphite grey	0.3	1

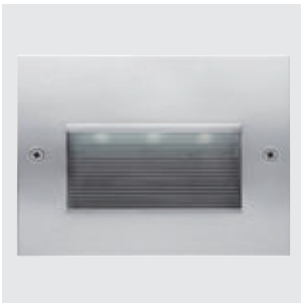
NOTES: outer casing included.

#### Photometric distributions



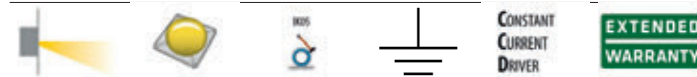
1x4 W

## LUXOR WALL 220



GW 82 812

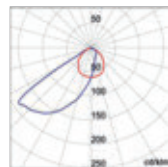
### VERSIONS WITH ALUMINIUM FRAME - IP65



Code	Lamp power	Lamp	Colour	Weight (kg)	Pack Carton
<b>Voltage: 220/240 V - 50/60 Hz</b>					
GW 82 812	3x1 W	White Led - 4000 K	Aluminium	1.5	1
GW 82 112	3x1 W	White Led - 4000 K	Graphite grey	1.5	1
GW 82 813	3x1 W	Blue led	Aluminium	1.5	1
GW 82 113	3x1 W	Blue led	Graphite grey	1.5	1

NOTES: outer casing included.

#### Photometric distributions

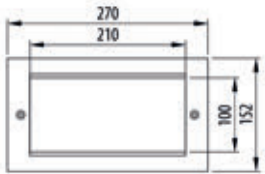


3x1 W







LUXOR WALL 260 S



GW 82 837



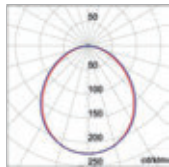
**VERSIONS WITH ALUMINIUM FRAME - IP65**

Code	Lamp power	Lamp	Colour	Weight (kg)	Pack Carton
<b>Voltage: 220/240 V - 50/60 Hz</b>					
GW 82 837	5x1 W	White Led - 3000 K	Aluminium	5.3	1
GW 82 137	5x1 W	White Led - 3000 K	Graphite grey	5.3	1
GW 82 838	5x1 W	Blue led	Aluminium	5.3	1
GW 82 138	5x1 W	Blue led	Graphite grey	5.3	1

NOTES: outer casing included.

**Photometric distributions**



5x1 W

# Luxor Wall

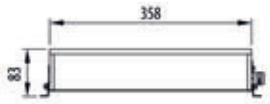
## WALL-MOUNTING DEVICES



### WALL WASHER 400



GW 82 843

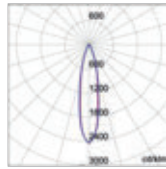


#### FULL GLASS VERSIONS - IP65



Code	Lamp power	Lamp	Colour	Weight (kg)	Pack Carton
<b>Voltage: 220/240 V - 50/60 Hz</b>					
GW 82 843	6x1 W	White Led - 3000 K	Aluminium	1.6	1
GW 82 143	6x1 W	White Led - 3000 K	Graphite grey	1.6	1

#### Photometric distributions

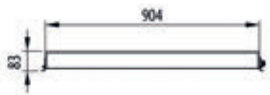


6x1 W

### WALL WASHER 900



GW 82 844

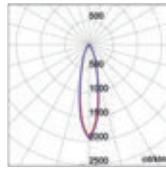


#### FULL GLASS VERSION - IP65



Code	Lamp power	Lamp	Colour	Weight (kg)	Pack Carton
<b>Voltage: 220/240 V - 50/60 Hz</b>					
GW 82 844	18x1 W	White Led - 3000 K	Aluminium	3.3	1
GW 82 144	18x1 W	White Led - 3000 K	Graphite grey	3.3	1

#### Photometric distributions



18x1 W

**ARTICLES SHARED WITH LUXOR WALL RANGE**



GW 82 896

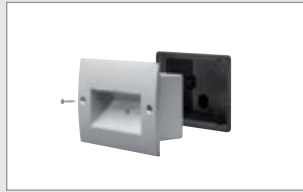
**COMPLEMENTARY ITEMS FOR INSTALLATION**

Code	Description	Material	Pack Carton
GW 82 896	Luxor Wall 220 outer casing	Technopolymer	1
GW 82 898	Luxor Wall 260 outer casing	Technopolymer	1

# Luxor Wall LED



## EASY INSTALLATION



The outer casing ensures easy pre-arrangement for the installation of the device, which only needs to be fixed at the end of the work. The flanges are designed to compensate any defects or problems in the finish.

## DESIGN CONTINUITY



Products made to be naturally integrated with the Chorus range: a lighting device with the same design as the domestic system, designed with painstaking attention to detail. The Wallwasher versions are extremely compact and easily integrated in the less visible parts of facades, showing off only their lighting effects.

## WIDE RANGE



The Luxor Wall range was designed to be harmoniously adapted and integrated in many application contexts. Various sizes in the Symmetrical and Asymmetrical version are available.

## Technical characteristics

<b>INSTALLATION</b>	Internal / External - Flush-mounting in the wall
<b>COLOUR</b>	Graphite grey or Aluminium grey
<b>MATERIALS</b>	
<b>Body</b>	Technopolymer or die-cast aluminium
<b>Frame</b>	Die-cast aluminium
<b>Flush-mounting</b>	Technopolymer
<b>Lenses</b>	PMMA (where envisaged)
<b>Shield</b>	Flat acid-etched glass

<b>DEGREE OF PROTECTION</b>	IP65
<b>IMPACT RESISTANCE</b>	IK05 / IK07 (depending on the version)
<b>INSULATION CLASS</b>	I - II (depending on the version)
<b>LIFETIME</b>	
<b>MARKS</b>	CE

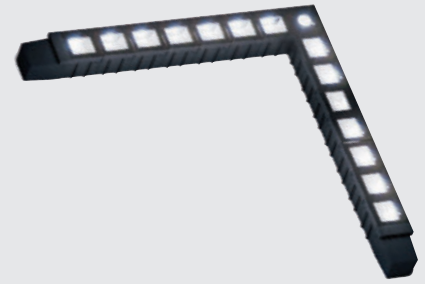


# Metrolight



## Modular flush-mounting elements

Modular LED devices for flush-mounting in walls and floors. Suitable for decorative lighting in both indoor and outdoor applications. The system with Wall Washer optic includes modules that can be combined to distribute the light in a continuous manner along walkways, outer walls and perimeter structures, guaranteeing spectacular effects in settings of notable architectural value.

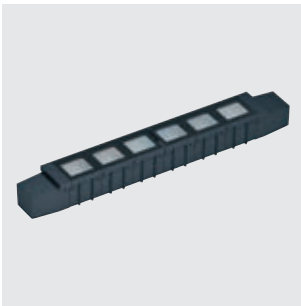


Technical characteristics page 177

## METROLIGHT



### COMPLETE KITS



GW 82 860



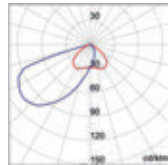
### WIRED KITS WITH LED SOURCES - IP67 - CLASS I



Code	No. of lamps	System power	Lamp	Number of modules	Colour	Weight (kg)	Pack Carton
<b>Voltage: 220/230 V - 50/60 Hz</b>							
GW 82 860	6	24 W	White Led - 6300 K	6	Black	4.3	1

NOTES: Supplied with 6-module outer casing GW82891, two closure caps and connector GW82894. Due to the continuous changes with the LED technologies, the technical data can undertake variations.

#### Photometric distributions

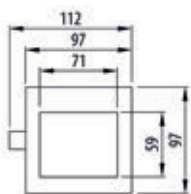


24 W

### LINEAR MODULAR FLUSH-MOUNTING ELEMENTS



GW 82 861



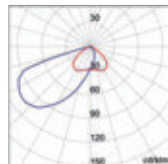
### WIRED VERSIONS WITH LED SOURCES - IP67 - CLASS I



Code	No. of lamps	System power	Lamp	Number of modules	Colour	Weight (kg)	Pack Carton
<b>Voltage: 220/230 V - 50/60 Hz</b>							
GW 82 861	1	4 W	White Led - 6300 K	1	Black	0.5	1
GW 82 862	6	24 W	White Led - 6300 K	6	Black	2.6	1

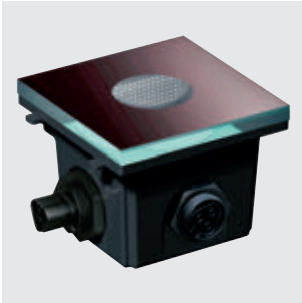
NOTE: due to the continuous changes with the LED technologies, the technical data can undertake variations.

#### Photometric distributions

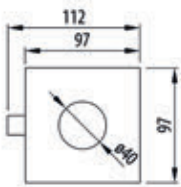


4-24 W

## ANGULAR MODULAR FLUSH-MOUNTING ELEMENTS



GW 82 866



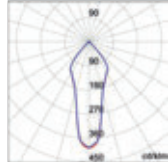
### WIRED VERSIONS WITH LED SOURCES - IP67 - CLASS I



Code	No. of lamps	System power	Lamp	Number of modules	Angle	Colour	Weight (kg)	Pack Carton
<b>Voltage: 220/230 V - 50/60 Hz</b>								
GW 82 866	1	4 W	White Led - 6300 K	1	Right	Black	0.5	1
GW 82 867	1	4 W	White Led - 6300 K	1	Left	Black	0.5	1

**NOTE:** due to the continuous changes with the LED technologies, the technical data can undertake variations.

#### Photometric distributions



4 W

### UNWIRED JOINING VERSIONS - IP67



GW 82 870

Code	Description	Number of modules	Colour	Weight (kg)	Pack Carton
GW 82 870	Neutral element to be placed between light elements	1	Black	0.5	1
GW 82 869	Neutral element to be placed between light elements	6	Black	1.8	1

### INSTALLATION COMPLEMENTARY ITEMS



GW 82 891

Code	Description	Number of modules	Material	Colour	Weight (kg)	Pack Carton
GW 82 891	Linear outer casing	6	Technopolymer	Black	0.8	1/12
GW 82 892	Angular outer casing	3	Technopolymer	Black	0.4	1/4
GW 82 893	Outer casing cap		Technopolymer	Black	0.5	1/2
GW 82 894	3 poles power supply connector				0.1	1/10

**NOTE:** 7 anti-crush elements are supplied with the GW82891 linear outer casing.

### INSTALLATION KIT FOR NOT GROUNDED SETTINGS



GW 82 193

Code	Description	Pack Carton
GW 82 193	Anchoring kit for DIN rail	1/10

**NOTES:** use a 35x15mm DIN rail.

**METROLIGHT RGB**



**COMPLETE KITS**



GW 82 880



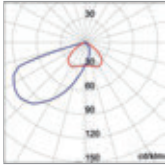
**WIRED KITS WITH LED SOURCES - IP67 - CLASS I**



Code	No. of lamps	System power	Lamp	Number of modules	Colour	Weight (kg)	Pack Carton
<b>Voltage: 100/240 V - 50/60 Hz</b>							
GW 82 880	6	18 W	RGB Led	6	Black	4.3	1

NOTES: Supplied with 6-module outer casing GW82891, two closure caps and connector GW82895. RGB version to be managed using the RGB control module code GW85691. 3 DMX channels: Red; Green; Blue.

**Photometric distributions**

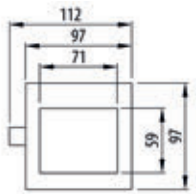


18 W

**LINEAR MODULAR FLUSH-MOUNTING ELEMENTS**



GW 82 871



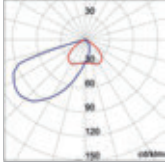
**WIRED VERSION WITH LED SOURCES - IP67 - CLASS I**



Code	No. of lamps	System power	Lamp	Number of modules	Colour	Weight (kg)	Pack Carton
<b>Voltage: 100/240 V - 50/60 Hz</b>							
GW 82 871	1	3 W	RGB Led	1	Black	0.5	1
GW 82 872	6	18 W	RGB Led	6	Black	2.6	1

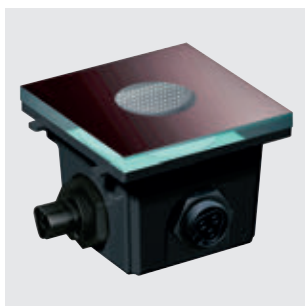
RGB version to be managed using the RGB control module code GW85691. 3 DMX channels: Red; Green; Blue.

**Photometric distributions**

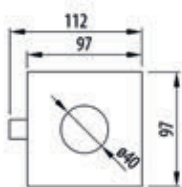


3-18 W

## ANGULAR MODULAR FLUSH-MOUNTING ELEMENTS



GW 82 876



### WIRED VERSIONS WITH LED SOURCES - IP67 - CLASS I

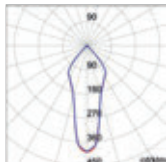


DMX

Code	No. of lamps	System power	Lamp	Number of modules	Angle	Colour	Weight (kg)	Pack Carton
<b>Voltage: 100/240 V - 50/60 Hz</b>								
GW 82 876	1	3 W	RGB Led	1	Right	Black	0.5	1
GW 82 877	1	3 W	RGB Led	1	Left	Black	0.5	1

RGB version to be managed using the RGB control module code GW85691. 3 DMX channels: Red; Green; Blue.

#### Photometric distributions



3 W

### RGB CONTROL MODULE

Code	No. Chorus modules	DMX Channels	Max manageable equipments	Display	Weight (kg)	Pack Carton
<b>Voltage: 12 V - 50/60 Hz</b>						
GW 85 691	3	64	21	0-Led	0.5	1

**NOTE:** to be installed on a Chorus 3 gang frame GW16803. Using the repeater/splitter GW85692, it is possible to increase the number of devices that can be managed. For the KNX-DMX interface, refer to the Domotics catalogue.



GW 85 691

### COMPLEMENTARY ITEMS FOR THE DMX SYSTEM

Code	Description	Voltage	Number of outputs	Pack Carton
GW 85 692	DMX repeater / splitter	100/240 V - 50/60 Hz	4	1
GW 82 191	DMX address replicator	12 V dc		1



GW 82 191

### INSTALLATION COMPLEMENTARY ITEMS

Code	Description	Number of modules	Material	Colour	Weight (kg)	Pack Carton
GW 82 891	Linear outer casing	6	Technopolymer	Black	0.8	1/12
GW 82 892	Angular outer casing	3	Technopolymer	Black	0.4	1/4
GW 82 893	Outer casing cap		Technopolymer	Black	0.5	1/2
GW 82 895	5 poles power supply connector for RGB DMX				0.1	1/10



GW 82 891



GW 82 193

**INSTALLATION KIT FOR NOT GROUNDED SETTINGS**

Code	Description	Pack Carton
GW 82 193	Anchoring kit for DIN rail	1/10

**NOTES:** use a 35x15mm DIN rail.

# Metrolight

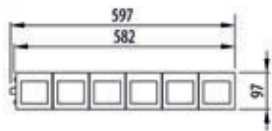
## METROLIGHT RGB 24V



### COMPLETE KITS



GW 82 851



### WIRED KIT 24 V - IP67 - CLASS I

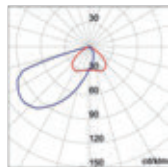


PWM

Code	No. of lamps	System power	Lamp	Number of modules	Colour	Weight (kg)	Pack Carton
<b>Voltage: 24 V - dc</b>							
GW 82 851	6	18 W	RGB Led	6	Black	4.3	1

Kit to be managed via DMX - PWM interface GW82192. Articles to be completed with 24V continuous current power supply, sized according to the number of modules managed.

#### Photometric distributions

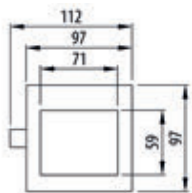


18 W

### LINEAR MODULAR FLUSH-MOUNTING ELEMENTS



GW 82 853



### WIRED VERSIONS - IP67 - CLASS I

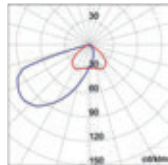


PWM

Code	No. of lamps	System power	Lamp	Number of modules	Colour	Weight (kg)	Pack Carton
<b>Voltage: 24 V - dc</b>							
GW 82 853	1	3 W	RGB Led	1	Black	0.5	1
GW 82 852	6	18 W	RGB Led	6	Black	2.6	1

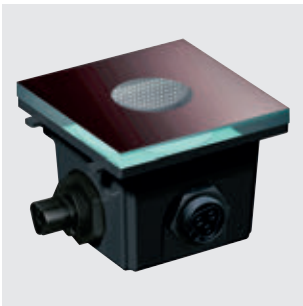
Modules to be managed via DMX - PWM interface GW82192. Articles to be completed with 24V continuous current power supply, sized according to the number of modules managed.

#### Photometric distributions

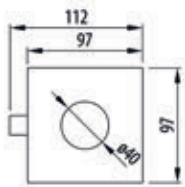


3-18 W

**ANGULAR MODULAR FLUSH-MOUNTING ELEMENTS**



GW 82 854



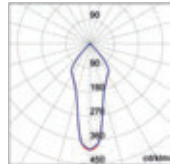
**WIRED VERSIONS - IP67 - CLASS I**



Code	No. of lamps	System power	Lamp	Number of modules	Angle	Colour	Weight (kg)	Pack Carton
<b>Voltage: 24 V - dc</b>								
GW 82 854	1	3 W	RGB Led	1	Right	Black	0.5	1
GW 82 855	1	3 W	RGB Led	1	Left	Black	0.5	1

Modules to be managed via DMX - PWM interface GW82192. Articles to be completed with 24V continuous current power supply, sized according to the number of modules managed.

**Photometric distributions**



3 W

**DIN RAIL GATEWAY DMX-PWM**



GW 82 192

Code	Description	No. DIN modules	Voltage	Pack Carton
GW 82 192	DMX - PWM interface	3	24V dc	1

**INSTALLATION KIT FOR NOT GROUNDED SETTINGS**



GW 82 193

Code	Description	Pack Carton
GW 82 193	Anchoring kit for DIN rail	1/10

**NOTES:** use a 35x15mm DIN rail.

**5-POLE CONNECTOR**



GW 82 194

Code	Description	Pack Carton
GW 82 194	5-pole connector for RGB PWM	1/10



GW 85 691

## RGB CONTROL MODULE

Code	No. Chorus modules	DMX Channels	Max manageable equipments	Display	Weight (kg)	Pack Carton
<b>Voltage: 12 V - 50/60 Hz</b>						
<b>GW 85 691</b>	3	64	21	O-Led	0.5	1

**NOTE:** to be installed on a Chorus 3 gang frame GW16803. Using the repeater/splitter GW85692, it is possible to increase the number of devices that can be managed.  
For the KNX-DMX interface, refer to the Domotics catalogue.



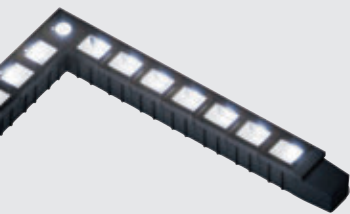
GW 82 891

## INSTALLATION COMPLEMENTARY ITEMS

Code	Description	Number of modules	Material	Colour	Weight (kg)	Pack Carton
<b>GW 82 891</b>	Linear outer casing	6	Technopolymer	Black	0.8	1/12
<b>GW 82 892</b>	Angular outer casing	3	Technopolymer	Black	0.4	1/4
<b>GW 82 893</b>	Outer casing cap		Technopolymer	Black	0.5	1/2
<b>GW 82 895</b>	5 poles power supply connector for RGB DMX				0.1	1/10



# Metrolight



## MODULARITY



The modularity of the lighting bodies with their hermetic electric quick coupling connection and of the modular flush-mounting boxes makes installation possibilities endless.

## MECHANICAL RESISTANCE



The LED modules in the die-cast aluminium body ensure a robust system, guaranteeing a static load resistance of more than 500kg.

## DESIGN AND PERFORMANCE



Thanks to the suitably directed LED source, walls can be perfectly lit up without creating glare in the direction of the observer.

## Technical characteristics

<b>INSTALLATION</b>	Internal / External - Flush-mounting in the ground
<b>COLOUR</b>	Black
<b>MATERIALS</b>	
<b>Body</b>	Die-cast aluminium
<b>Flush-mounting</b>	Technopolymer
<b>Reflector</b>	PC (where envisaged)
<b>Shield</b>	Flat glass

<b>DEGREE OF PROTECTION</b>	IP67
<b>IMPACT RESISTANCE</b>	IK10
<b>INSULATION CLASS</b>	I
<b>LIFETIME</b>	B10L70 @ +25°C = 30000h
<b>MARKS</b>	CE

## Case 1: Create a lighting strip with fewer than 6 LEDs

ORDER:	
GW 82 861 *	X pieces (X≤5)
GW 82 891	-
GW 82 893 *	2 pieces
GW 82 894 *	1 piece

The total length of the flush-mounting is the sum of the two closing caps (225 mm) plus the length of the same number of pieces of flush-mounting as the number of modules installed (X\*97 mm).

## Case 2: Create a lighting strip with 6 LEDs

ORDER:	
GW 82 860	1 piece

The total length of the flush-mounting is the sum of the two closing caps (225 mm) plus the length of the entire flush-mounting (581 mm).

# Metrolight

## Case 3: Create a lighting strip with more than 6 LEDs

ORDER:	
GW 82 860	-
GW 82 862 *	X pieces
GW 82 891 *	(X+1) pieces
GW 82 861 *	Y pieces (Y≤5)

Remember that the flush-mounting length is always 225 mm longer than the illuminated part, due to the presence of the head and tail caps.

## Case 4: Create at least one 90° angle

ORDER:	
GW 82 860	-
GW 82 892	-
GW 82 861	x2 pieces *
GW 82 866	Right-hand corner (A)
or GW 82 867	Left-hand corner (B)

Remember that the flush-mounting length is always 225 mm longer than the illuminated part, due to the presence of the head and tail caps.

\* You can avoid using the single module by using instead the last piece of the 6-LED one and reducing the linear flush-mounting by one module.

Operating mode/assembly application diagrams

# Point

## Garden lighting devices



A garden lighting device for residential areas, with shielded optic to reduce light flux dispersion. Available in 2 sizes, and in LED versions. The technical design and simple shape make it suitable for every installation context. The line is completed with the new BlueGreen versions that blend perfectly into the context of gardens and parks.



Technical characteristics page 180

## POINT



### LED VERSIONS



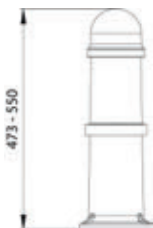
GW 82 016 G

### WIRED VERSIONS WITH LED LAMPS - IP55 - CLASS II

EXTENDED WARRANTY

Code	No. of lamps	Colour temperature	Lamp power	Lamp	Lamp holder	Colour	Height (mm)	Pack Carton
<b>Voltage: 230 V - 50 Hz</b>								
GW 82 011 G	1	3000 K	4 W	DR	E14	Graphite grey	447	1/2
GW 82 016 G	1	3000 K	6 W	DR	E27	Graphite grey	502	1/2
GW 82 011 B	1	3000 K	4 W	DR	E14	Midnight blue	447	1/2
GW 82 016 B	1	3000 K	6 W	DR	E27	Midnight blue	502	1/2

NOTE: supplied with lamp.



# Point



## SHIELDED OPTIC



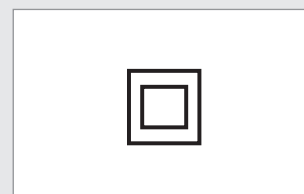
The transparent diffuser contains the special prismatic anti-glare louvre that converges and enhances the downward light effect, while limiting the luminous flux dispersed towards the sky.

## NEW DESIGN



The new design, more technical and functional to the increase in luminous flux toward the ground, it enhances the features adaptability and versatility for each type of installation

## DOUBLE INSULATION



The products of the POINT range do not require earth connection devices: all versions have double insulation wiring.

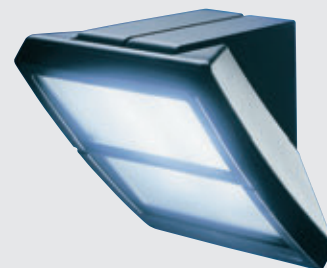
## Technical characteristics

<b>INSTALLATION</b>	External
<b>COLOUR</b>	Graphite grey / Midnight blue
<b>MATERIALS</b>	
<b>Body</b>	PC
<b>Antiglare Louvre</b>	PMMA
<b>Shield</b>	PC

<b>DEGREE OF PROTECTION</b>	IP55
<b>IMPACT RESISTANCE</b>	IK10
<b>INSULATION CLASS</b>	II
<b>MARKS</b>	CE

# Extro

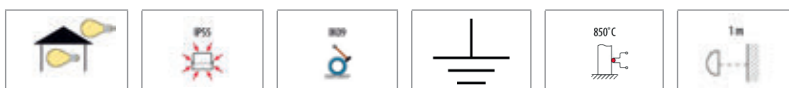
## Multifunctional lighting devices



Multifunctional lighting devices for residential and urban areas, with a polycarbonate body and sanded diffuser. Can be installed on the wall or ceiling, or on a pole or column. The line is completed with the new BlueGreen versions that blend perfectly into the context of gardens and parks.

Technical characteristics page 188

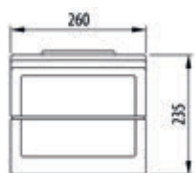
## EXTRO



### STANDARD



GW 82 281 S



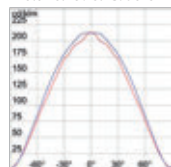
### WIRED VERSIONS WITH P.F. CORRECTION COMPLETE WITH LAMP - IP55 - CLASS I



Code	Lamp power	Lamp supplied	Lamp holder	Colour	Weight (kg)	Pack Carton
<b>Voltage: 230 V - 50 Hz</b>						
GW 82 281 S	70 W	SE*	E27	Graphite grey	3.6	1/2
GW 82 214 S	70 W	SE*	E27	White	3.6	1/2

\* Use lamps with a built-in ignitor.

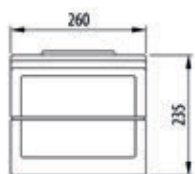
#### Photometric distributions



70 W SE



GW 82 206



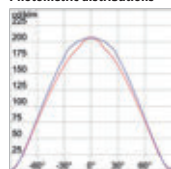
### VERSIONS WITH EDISON LAMP-HOLDERS - IP55 - CLASS I

Code	Max lamp power	Lamp holder	Colour	Weight (kg)	Pack Carton
GW 82 206	100 W	E27	Graphite grey	2.4	1/2
GW 82 202	100 W	E27	White	2.4	1/2

ACCESSORIES SUPPLIED: structural components: reflector, accessory-holding plate.

Electrical components: lampholder with cables, terminal block. The devices are supplied with standard service items.

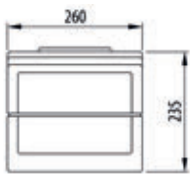
#### Photometric distributions



100 W



GW 82 286



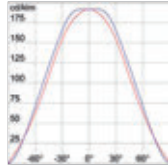
## WIRED VERSIONS - IP55 - CLASS I - ELECTRONIC POWER SUPPLY



Code	No. of lamps	Lamp power	Lamp	Lamp holder	Colour	Weight (kg)	Pack Carton
<b>Voltage: 220/240 V - 50/60 Hz</b>							
GW 82 286	2	26-32 W	FSM	GX24q-3	Graphite grey	2.5	1/2
GW 82 242	2	26-32 W	FSM	GX24q-3	White	2.5	1/2

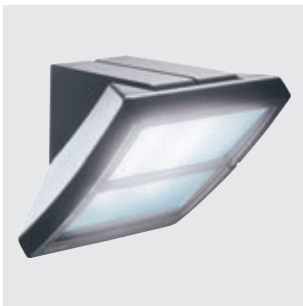
The electronic power supply versions can house both 26 W and 32 W compact fluorescent lamps with GX24q-3 coupling.

### Photometric distributions

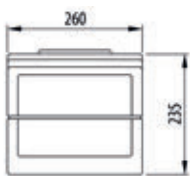


26-32 W FSM

## EMERGENCY VERSIONS



GW 82 246



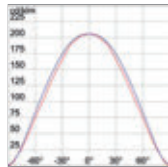
## WIRED VERSIONS FOR FLUORESCENT LAMPS - IP55 - CLASS I - ELECTRONIC POWER SUPPLY



Code	Lamp power	Lamp	Lamp holder	Luminous flux in emerg. [lm]	Autonomy	Colour	Weight (kg)	Pack Carton
<b>Voltage: 220/240 V - 50/60 Hz</b>								
GW 82 246	26-32 W	FSM	GX24q-3	135 / 90	1 h	Graphite grey	2.8	1/2
GW 82 247	26-32 W	FSM	GX24q-3	135 / 90	1 h	White	2.8	1/2

Ni-Cd battery for high temperatures

### Photometric distributions

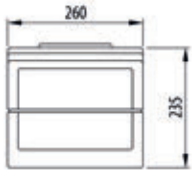


26-32 W FSM

**LED VERSIONS**



GW S2 401



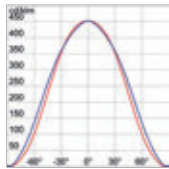
**WIRED VERSIONS WITH LED SOURCES - 900 AND 1800 LM - IP55 - CLASS I**



Code	System power	Lamp	Colour temperature	Nominal flux (lm)	Lumen output (lm)	Colour	Weight (kg)	Pack Carton
<b>Voltage: 220/240 V - 50/60 Hz - Stand alone</b>								
GW S2 401	13 W	LED	4000 K (CRI 80)	950	790	Graphite grey	2	1/2
GW S2 402	26 W	LED	4000 K (CRI 80)	1900	1470	Graphite grey	2.4	1/2
GW S2 401 B	13 W	LED	3000 K (CRI 80)	930	770	Midnight blue	2	1/2
GW S2 402 B	26 W	LED	3000 K (CRI 80)	1850	1440	Midnight blue	2.4	1/2

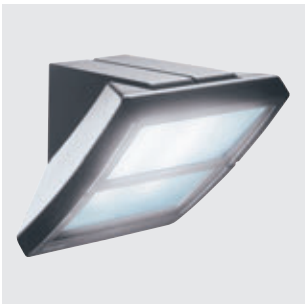
NOTE: due to the continuous changes with the LED technologies, the technical data can undertake variations.

**Photometric distributions**

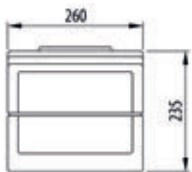


13-26 W

**LED VERSIONS - MOTION DETECTOR**



GW S2 406



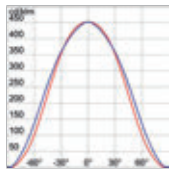
**WIRED VERSIONS WITH 900-LUMEN LED LIGHT SOURCES - IP55 - CLASS I**



Code	System power	Lamp	Colour temperature	Nominal flux (lm)	Lumen output (lm)	Colour	Weight (kg)	Pack Carton
<b>Voltage: 220 / 240 V - 50 / 60 Hz</b>								
GW S2 406	13 W	LED	4000 K (CRI 80)	950	790	Graphite grey	2.2	1/2

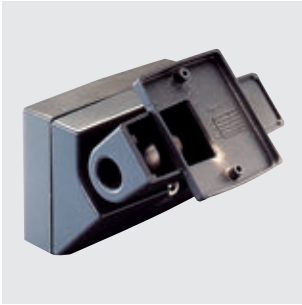
NOTE: due to the continuous changes with the LED technologies, the technical data can undertake variations.

**Photometric distributions**



13 W

## COMPLEMENTARY ITEMS FOR WALL INSTALLATION



GW 82 290

### SWIVEL BRACKET

Code	Material	Outer dim. LxHxD (mm)	Colour	Pack Carton
GW 82 290	Die-cast aluminium	140x120x100	Graphite grey	1/6
GW 82 255	Die-cast aluminium	140x120x100	White	1/6

**APPLICATIONS:** allows surface installation of the device and to adjust the vertical inclination by 45° upwards and 45° downwards with respect to the horizontal axis.



GW 82 291

### ANGLE BRACKET

Code	Material	Outer dim. LxHxD (mm)	Colour	Pack Carton
GW 82 291	Die-cast aluminium	90x80x100	Graphite grey	1/5
GW 82 253	Die-cast aluminium	90x80x100	White	1/5

**APPLICATIONS:** allows installation of the device on 90° corners.



COMPLEMENTARY ITEMS FOR INSTALLATION ON COLUMNS



GW 82 292

**SINGLE LUMINAIRES SUPPORT COLUMN**

Code	Material	Height (mm)	Planting recommended	Colour	Pack Carton
GW 82 292	Extruded aluminium	1300	250 mm	Graphite grey	1
GW 82 292 B	Extruded aluminium	1300	250 mm	Midnight blue	1
GW 82 259	Extruded aluminium	1300	250 mm	White	1
GW 82 293	Extruded aluminium	3000	500 mm	Graphite grey	1
GW 82 263	Extruded aluminium	3000	500 mm	White	1

NOTES: Columns suited only for private areas.



GW 82 294

**SUPPORT COLUMN FOR SINGLE DEVICE, COMPLETE WITH IP55 PLATES FOR 3 SYSTEM RANGE MODULES**

Code	Material	Accessories supplied	Height (mm)	Planting recommended	Colour	Pack Carton
GW 82 294	Extruded aluminium	3P Enclosure - black	1300	250 mm	Graphite grey	1
GW 82 273	Extruded aluminium	3P Enclosure - white	1300	250 mm	White	1

NOTES: Columns suited only for private areas.



GW 82 295

**DOUBLE LUMINAIRES SUPPORT COLUMN**

Code	Material	Height (mm)	Planting recommended	Colour	Pack Carton
GW 82 295	Extruded aluminium	1300	250 mm	Graphite grey	1
GW 82 261	Extruded aluminium	1300	250 mm	White	1
GW 82 296	Extruded aluminium	3000	500 mm	Graphite grey	1
GW 82 265	Extruded aluminium	3000	500 mm	White	1

NOTES: Columns suited only for private areas.



GW 82 297

**RECTANGULAR BASE FOR SUPPORT COLUMN OF MAX. HEIGHT 1300 MM**

Code	Material	Outer dim. LxHxD (mm)	Colour	Pack Carton
GW 82 297	Extruded aluminium	300x202x315	Graphite grey	1/4
GW 82 297 B	Extruded aluminium	300x202x315	Midnight blue	1/4
GW 82 267	Extruded aluminium	300x202x315	White	1/4

CHARACTERISTICS: the fixing of the base + column assembly to the concrete is made either with clamps drowned in the concrete, or with wall plugs with max screw Ø = 12mm.

ACCESSORIES SUPPLIED: 2 screws, M4x12, for fixing the column to the base.

## COMPLEMENTARY ITEMS FOR INSTALLATION ON POLE



GW 82 298

### POLE MOUNTING SINGLE SWIVEL BRACKET Ø 60 MM

Code	Material	Outer dim. LxHxD (mm)	Colour	Pack Carton
GW 82 298	Die-cast aluminium	160x140x100	Graphite grey	1/5
GW 82 257	Die-cast aluminium	160x140x100	White	1/5

APPLICATIONS: allows installation of the device on Ø 60 mm pole and to adjust the vertical inclination by 90° upwards and 45° downwards.



GW 82 299

### POLE MOUNTING DOUBLE SWIVEL BRACKET Ø 60 MM

Code	Material	Outer dim. LxHxD (mm)	Colour	Pack Carton
GW 82 299	Die-cast aluminium	160x140x100	Graphite grey	1/5
GW 82 270	Die-cast aluminium	160x140x100	White	1/5

APPLICATIONS: allows installation of the device on Ø 60 mm pole and to adjust the vertical inclination by 90° upwards and 45° downwards.

**STEEL POLES**


GW 86 775

**CYLINDRICAL GALVANIZED STEEL POLES - Ø 60 MM**

Code	Length (mm)	External Ø (mm)	Internal Ø (mm)	Planting recommended	Colour	Weight (kg)	Pack Carton
GW 86 775	1000	60	56	200 mm	Graphite grey	2.8	1
GW 86 776	2000	60	56	300 mm	Graphite grey	4	1
GW 86 777	3000	60	56	500 mm	Graphite grey	6	1
GW 86 778	5000	60	56	500 mm	Graphite grey	13	1

**NOTES:** poles suited only for private areas



GW 82 289

**BASE FOR Ø 60 MM STEEL POLE**

Code	Description	Material	Dimensions (mm)	Conduit Ø (mm)	Colour	Pack Carton
GW 82 289	Round base	Steel	Ø 230 x h 350	55	Graphite grey	1/2

**CHARACTERISTICS:** the fixing of the base + pole assembly to the concrete is made either with clamps drowned in the concrete, or with wall plugs with max screw Ø = 12mm.

**ACCESSORIES SUPPLIED:** 2 screws, M6x12, for fixing the pole to the base.

**NOTES:** To complete with stainless steel poles GW86775 or GW86776.

## FIBREGLASS POLES



GW 86 771

### FIBREGLASS POLES Ø 60 MM

Code	Length (mm)	External Ø (mm)	Internal Ø (mm)	Planting recommended	Colour	Weight (kg)	Pack Carton
GW 86 771	1000	60	55	200 mm	Black	0.6	1
GW 86 772	2000	60	55	300 mm	Black	1.3	1
GW 86 773	3000	60	55	400 mm	Black	2	1

**APPLICATIONS:** particularly suitable for installations in marine environments or those especially exposed to corrosive agents.

**NOTES:** extruded poles to drive into the ground only for installations with a single sphere.

## COMPLEMENTARY ITEMS

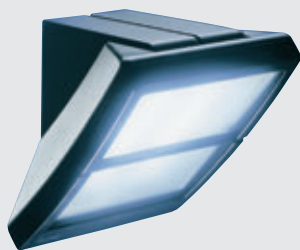


GW 88 272

### SPARE PARTS

Code	Description	Dimensions (mm)	Weight (kg)	Pack Carton
GW 88 272	Tempered glass	280x250	0.7	1/5

# Extro

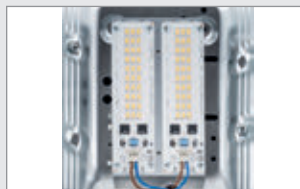


## NEW BLUEGREEN VERSIONS



To complete the offer the new Extro BlueGreen versions that integrate perfectly in contexts such as gardens and parks.

## NEW TECHNOLOGY



The new LED versions with 13 and 26 W are available with colour temperature 4000K - white Light and the possibility of managing with a presence sensor.

## FUNCTIONALITY



In the 1.3m high version, the columns are available complete with watertight support plate.

## Technical characteristics

<b>INSTALLATION</b>	Internal / External
<b>COLOUR</b>	Graphite grey / White / Midnight blue
<b>MATERIALS</b>	
<b>Body</b>	PC
<b>Reflector</b>	Polished aluminium 99.85%
<b>Shield</b>	Flat acid-etched glass

<b>DEGREE OF PROTECTION</b>	IP55
<b>IMPACT RESISTANCE</b>	IK09
<b>INSULATION CLASS</b>	I
<b>LIFETIME</b>	B50L70 @ +25°C = 30000h
<b>MARKS</b>	CE

## Smart [3]

LED WATERTIGHT LUMINAIRES



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## Smart [3] C

LED WATERTIGHT LUMINAIRES



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## Smart [3] S

LED WATERTIGHT LUMINAIRES



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## Smart [4] 2.0 LB-HB

INDUSTRIAL DEVICES



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## Smart [4] 2.1 HLO

INDUSTRIAL DEVICES



*pag. 226*

## Znt

WATERTIGHT PROFESSIONAL POLYCARBONATE LUMINAIRES



*pag. 234*

## Click 21

WATERTIGHT LUMINAIRES IN POLYCARBONATE



*pag. 240*

## Halle

WATERTIGHT HIGH BAYS



*pag. 243*

## Hercules

HIGH BAYS FOR INDOORS



*pag. 263*

# Smart [3]



## LED watertight luminaires

Smart [3] is the new range of LED watertight luminaires that completes the Smart selection. Ideal even in installation contexts of limited height (less than 4 metres), they are entirely designed, developed and produced in Italy. They are distinguished by an elegant design that highlights the particular features of the new LED technology, their extremely reduced energy consumption, their high impact resistance and their quick, easy installation.



Technical characteristics page 195

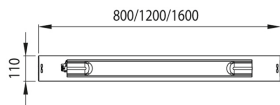
## SMART [3]



### TRANSPARENT DIFFUSER



GW S3 236 T



#### WIRED VERSIONS - IP66/IP69 - CLASS II



CONSTANT  
CURRENT  
DRIVER



Code	Length	LED number	Colour temperature	System power	Nominal flux (lm)	Lumen output (lm)	Weight (kg)	Pack Carton
<b>Voltage: 220/240 V - 50/60 Hz - Stand alone</b>								
GW S3 118 T	800 mm	36	4000 K (CRI 80)	15 W	2000	1670	1.5	1/90
GW S3 136 T	1200 mm	54	4000 K (CRI 80)	20 W	3010	2510	2	1/90
GW S3 158 T	1600 mm	72	4000 K (CRI 80)	26 W	4020	3340	2.5	1/90
GW S3 218 T	800 mm	42	4000 K (CRI 80)	26 W	4140	3450	1.5	1/90
GW S3 236 T	1200 mm	63	4000 K (CRI 80)	43 W	6200	5180	2	1/90
GW S3 258 T	1600 mm	84	4000 K (CRI 80)	53 W	8290	6900	2.5	1/90
<b>Voltage: 220/240 V - 50/60 Hz - DALI</b>								
GW S3 118 TD	800 mm	36	4000 K (CRI 80)	18 W	2000	1670	1.5	1/90
GW S3 136 TD	1200 mm	54	4000 K (CRI 80)	22 W	3010	2510	2	1/90
GW S3 158 TD	1600 mm	72	4000 K (CRI 80)	27 W	4020	3340	2.5	1/90
GW S3 218 TD	800 mm	42	4000 K (CRI 80)	27 W	4140	3450	1.5	1/90
GW S3 236 TD	1200 mm	63	4000 K (CRI 80)	45 W	6200	5180	2	1/90
GW S3 258 TD	1600 mm	84	4000 K (CRI 80)	55 W	8290	6900	2.5	1/90

Versions with 3000K (-30K) or 5700K (-57K) LED available on demand.

**NOTE:** due to the continuous changes with the LED technologies, the technical data can undertake variations.

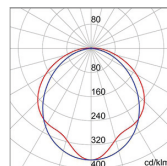
Nominal flux referred to Tj=85°C.

Suitable for indoor uses.

Maximum working temperature: +50°C.

**ACCESSORIES SUPPLIED:** Female connector (end cap only for through wiring version).

#### Photometric distributions



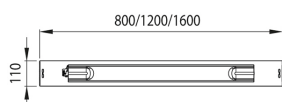
Transp.shield



**OPAL DIFFUSER**



GW S3 236 P



**WIRED VERSIONS - IP66/IP69 - CLASS II**



CONSTANT  
CURRENT  
DRIVER



Code	Length	LED number	Colour temperature	System power	Nominal flux (lm)	Lumen output (lm)	Weight (kg)	Pack Carton
<b>Voltage: 220/240 V - 50/60 Hz - Stand alone</b>								
GW S3 118 P	800 mm	36	4000 K (CRI 80)	15 W	2000	1540	1.5	1/90
GW S3 136 P	1200 mm	54	4000 K (CRI 80)	20 W	3010	2320	2	1/90
GW S3 158 P	1600 mm	72	4000 K (CRI 80)	26 W	4020	3090	2.5	1/90
GW S3 218 P	800 mm	42	4000 K (CRI 80)	26 W	4140	3200	1.5	1/90
GW S3 236 P	1200 mm	63	4000 K (CRI 80)	43 W	6200	4800	2	1/90
GW S3 258 P	1600 mm	84	4000 K (CRI 80)	53 W	8290	6400	2.5	1/90
<b>Voltage: 220/240 V - 50/60 Hz - DALI</b>								
GW S3 118 PD	800 mm	36	4000 K (CRI 80)	18 W	2000	1540	1.5	1/90
GW S3 136 PD	1200 mm	54	4000 K (CRI 80)	22 W	3010	2320	2	1/90
GW S3 158 PD	1600 mm	72	4000 K (CRI 80)	27 W	4020	3090	2.5	1/90
GW S3 218 PD	800 mm	42	4000 K (CRI 80)	27 W	4140	3200	1.5	1/90
GW S3 236 PD	1200 mm	63	4000 K (CRI 80)	45 W	6200	4800	2	1/90
GW S3 258 PD	1600 mm	84	4000 K (CRI 80)	55 W	8290	6400	2.5	1/90

Versions with 3000K (-30K) or 5700K (-57K) LED available on demand.

**NOTE:** due to the continuous changes with the LED technologies, the technical data can undertake variations.

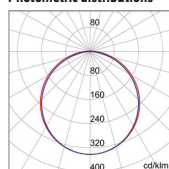
Nominal flux referred to Tj=85°C.

Suitable for indoor uses.

Maximum working temperature: +50°C.

**ACCESSORIES SUPPLIED:** Female connector (end cap only for through wiring version).

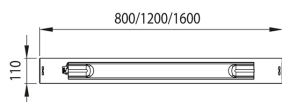
**Photometric distributions**



**TRANSPARENTE DIFFUSER - QUICK WIRING CONNECTION**



GW S3 236 TL



**WIRED VERSIONS - IP66/IP69 - CLASS II**

Code	Length	LED number	Colour temperature	System power	Nominal flux (lm)	Lumen output (lm)	Weight (kg)	Pack Carton
<b>Voltage: 220/240 V - 50/60 Hz - Stand alone</b>								
GW S3 136 TL	1200 mm	54	4000 K (CRI 80)	20 W	3010	2510	2	1/90
GW S3 158 TL	1600 mm	72	4000 K (CRI 80)	26 W	4020	3340	2.5	1/90
GW S3 236 TL	1200 mm	63	4000 K (CRI 80)	43 W	6200	5180	2	1/90
GW S3 258 TL	1600 mm	84	4000 K (CRI 80)	53 W	8290	6900	2.5	1/90
<b>Voltage: 220/240 V - 50/60 Hz - DALI</b>								
GW S3 136 TLD	1200 mm	54	4000 K (CRI 80)	22 W	3010	2510	2	1/90
GW S3 158 TLD	1600 mm	72	4000 K (CRI 80)	27 W	4020	3340	2.5	1/90
GW S3 236 TLD	1200 mm	63	4000 K (CRI 80)	45 W	6200	5180	2	1/90
GW S3 258 TLD	1600 mm	84	4000 K (CRI 80)	55 W	8290	6900	2.5	1/90

Versions with 3000K (-30K) or 5700K (-57K) LED available on demand.

**NOTE:** Due to the continuous changes with the LED technologies, the technical data can undertake variations.

Nominal flux referred to Tj=85°C.

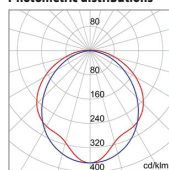
Suitable for indoor uses.

Maximum working temperature: +50°C.

**SUPPLIED ACCESSORIES:** Female connector (end cap only for through wiring version).

maximum luminaires in line : 25 pieces.

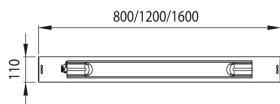
**Photometric distributions**



## OPAL DIFFUSER - QUICK WIRING CONNECTION



GW S3 236 PL



### WIRED VERSIONS - IP66/IP69 - CLASS II



CONSTANT  
CURRENT  
DRIVER



Code	Length	LED number	Colour temperature	System power	Nominal flux (lm)	Lumen output (lm)	Weight (kg)	Pack Carton
<b>Voltage: 220/240 V - 50/60 Hz - Stand alone</b>								
GW S3 136 PL	1200 mm	54	4000 K (CRI 80)	20 W	3010	2320	2	1/90
GW S3 158 PL	1600 mm	72	4000 K (CRI 80)	26 W	4020	3090	2.5	1/90
GW S3 236 PL	1200 mm	63	4000 K (CRI 80)	43 W	6200	4800	2	1/90
GW S3 258 PL	1600 mm	84	4000 K (CRI 80)	53 W	8290	6400	2.5	1/90
<b>Voltage: 220/240 V - 50/60 Hz - DALI</b>								
GW S3 136 PLD	1200 mm	54	4000 K (CRI 80)	22 W	3010	2320	2	1/90
GW S3 158 PLD	1600	72	4000 K (CRI 80)	27 W	4020	3090	2.5	1/90
GW S3 236 PLD	1200 mm	63	4000 K (CRI 80)	45 W	6200	4800	2	1/90
GW S3 258 PLD	1600 mm	84	4000 K (CRI 80)	55 W	8290	6400	2.5	1/90

Versions with 3000K (-30K) or 5700K (-57K) LED available on demand.

**NOTE:** due to the continuous changes with the LED technologies, the technical data can undertake variations.

Nominal flux referred to Tj=85°C.

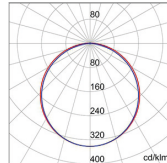
Suitable for indoor uses.

Maximum working temperature: +50°C.

**ACCESSORIES SUPPLIED:** Female connector (end cap only for through wiring version).

maximum luminaries in line : 25 pieces.

#### Photometric distributions



## COMPLEMENTARY ITEMS



GW S3 192

### COMPLEMENTARY ITEMS FOR INSTALLATION

Code	Description	Pack Carton
GW S3 191	Pair of brackets for fixing to the wall at 30° or 45°	1/10
GW S3 192	2P 10 A male connector	1/10
GW S3 193	Flexible connector for 20 mm pipe	1/10
GW S3 194	4P 10 A male connector	1/10

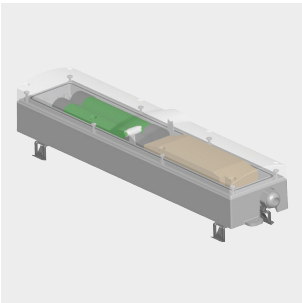
### EMERGENCY KIT

Code	Description	Autonomy	Pack Carton
GW S3 195	Emergency kit for SMART[3]	3 h	1

**NOTE:** Ni-Mh battery pack. 3h autonomy with 24h recharge.

Emergency device suitable only for through wiring version.

**ACCESSORIES SUPPLIED:** IN supply cable with male and female connector; OUT cable with female connector.



GW S3 195

# Smart [3]



FIXING DISTANCE



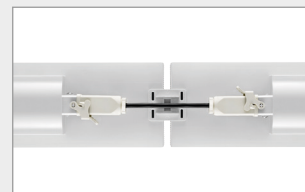
The wide variable distances clips guarantee the return point to point traditional ceiling using the same fixing holes and without on the electrical system.

IP66/IP69



Smart [3], thanks to its IP rating IP66/IP69 results to be resistant to the penetration of high pressure jets and temperatures (e.g. high-pressure wash).

THROUGH WIRING



The through-wiring versions allow the installation in a row continues and the perfect alignment of the ceiling via special accessory provided standard with the product.

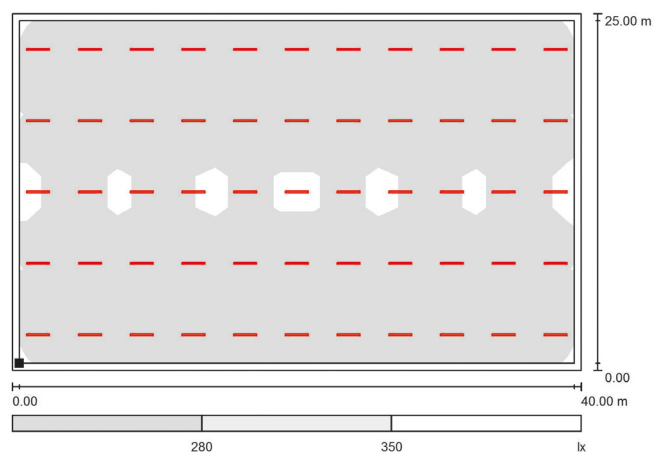
## Technical characteristics

<b>INSTALLATION</b>	Internal
<b>COLOUR</b>	Grey RAL7035
<b>MATERIALS</b>	
<b>Body</b>	PC
<b>Reflector</b>	Sheet steel pre-painted white
<b>Shield</b>	PC stabilised for UV rays

<b>DEGREE OF PROTECTION</b>	IP66 / IP69
<b>IMPACT RESISTANCE</b>	IK08
<b>INSULATION CLASS</b>	II
<b>LIFETIME</b>	L80B20 @25°C =60.000h L80B50 @25°C =80.000h L70B50 @25°C =100.000h
<b>MARKS</b>	CE D ENEC

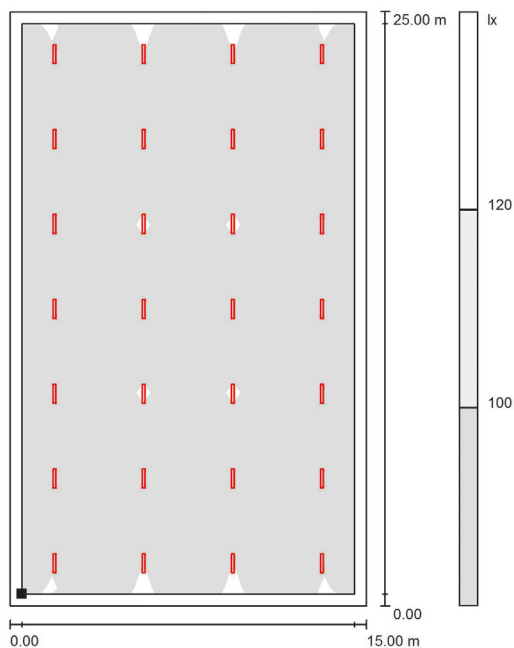
## Technical solutions

### Project: cement-working industry



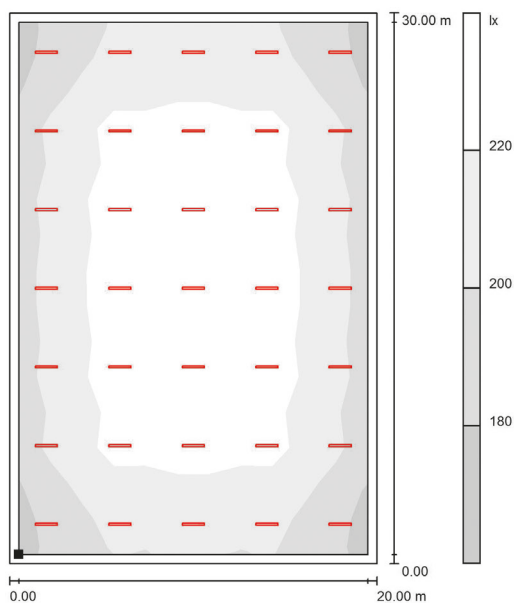
<b>Reference standard</b>	EN 12464-1:2011
<b>Reference</b>	5.8.4
<b>Activity</b>	Cement rough moulding
<b>Eave on work plane (Em)</b>	300 lx
<b>Uniformity (Uo)</b>	0.6
<b>Room dimension</b>	40 x 25 x 3m
<b>Product Code</b>	<b>SMART[3] GWS3258T</b>
<b>Quantity</b>	55
<b>Eave on work plane (Em)</b>	310
<b>Uniformity (Uo)</b>	0.7
<b>Total power system</b>	2.8 kW

## Project: Warehouses



<b>Reference standard</b>	EN 12464-1:2011
<b>Reference</b>	5.4.1
<b>Activity</b>	Warehouses
<b>Eave on work plane (Em)</b>	100 lx
<b>Uniformity (Uo)</b>	0.4
<b>Room dimension</b>	15 x 25 x 3 m
<b>Product Code</b>	<b>SMART[3] GWS3118P</b>
<b>Quantity</b>	28
<b>Eave on work plane (Em)</b>	100
<b>Uniformity (Uo)</b>	0.6
<b>Total power system</b>	0.39 kW

## Project: Canteen



<b>Reference standard</b>	EN 12464-1:2011
<b>Reference</b>	5.2.1
<b>Activity</b>	Canteen
<b>Eave on work plane (Em)</b>	200 lx
<b>Uniformity (Uo)</b>	0.4
<b>Room dimension</b>	20 x 30 x 4 m
<b>Product Code</b>	<b>SMART[3] GWS3236P</b>
<b>Quantity</b>	35
<b>Eave on work plane (Em)</b>	210
<b>Uniformity (Uo)</b>	0.7
<b>Total power system</b>	1.3 kW

# Smart [3] C

LED

## LED watertight luminaires

Smart[3]C is the new range of compact LED luminaires which offer excellent energy efficiency performance. Available in two different sizes, 800mm and 1200mm, to satisfy the different needs of the market.



Technical characteristics page 199

## SMART[3] C



### TRANSPARENT DIFFUSER



GW S3 236 TC

#### WIRED VERSIONS - IP66 - CLASS II



CONSTANT  
CURRENT  
DRIVER

3 YEARS  
WARRANTY

Code	Length	LED number	Colour temperature	System power	Nominal flux (lm)	Lumen output (lm)	Weight (kg)	Pack Carton
<b>Voltage: 220/240 V - 50/60 Hz - Stand alone</b>								
GW S3 236 TC	800	45	4000 K (CRI 80)	35 W	4725	4050	1.5	1/90
GW S3 258 TC	1200	72	4000 K (CRI 80)	56 W	7560	6700	2	1/90

Opal versions available on request.

**NOTE:** due to the continuous changes with the LED technologies, the technical data can undertake variations.

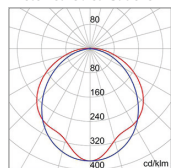
Nominal flux referred to Tj=85°C.

Suitable for indoor uses.

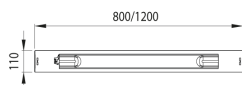
Maximum working temperature: +35°C.

**SUPPLIED ACCESSORIES:** Female connector (end cap only for through wiring version).

#### Photometric distributions



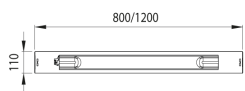
Transp.shield



## TRANSPARENT DIFFUSER - QUICK WIRING CONNECTION



GW S3 258 TLC



### WIRED VERSIONS - IP66 - CLASS II



CONSTANT  
CURRENT  
DRIVER



Code	Length	LED number	Colour temperature	System power	Nominal flux (lm)	Lumen output (lm)	Weight (kg)	Pack Carton
<b>Voltage: 220/240 V - 50/60 Hz - Stand alone</b>								
GW S3 258 TLC	1200	72	4000 K (CRI 80)	56 W	7560	6700	2.5	1/90

Opal versions available on request.

**NOTE:** due to the continuous changes with the LED technologies, the technical data can undertake variations.

Nominal flux referred to Tj=85°C.

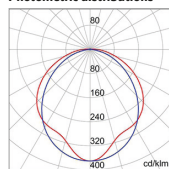
Suitable for indoor uses.

Maximum working temperature: +35°C.

maximum luminaries in line : 25 pieces.

**SUPPLIED ACCESSORIES:** Female connector (end cap only for through wiring version).

### Photometric distributions



Transp.shield

## COMPLEMENTARY ITEMS



GW S3 192

### COMPLEMENTARY ITEMS FOR INSTALLATION

Code	Description	Pack Carton
GW S3 191	Pair of brackets for fixing to the wall at 30° or 45°	1/10
GW S3 192	2P 10 A male connector	1/10
GW S3 193	Flexible connector for 20 mm pipe	1/10

# Smart [3] C



## REDUCED THICKNESS



Compared with the market standards, Smart [3] C stands out for its compactness, meaning it can be installed in places where space is particularly limited.

## FIXING CENTRE DISTANCE



Thanks to the wide and variable centre distance of the clips on these devices, single traditional luminaires can easily be replaced using the same fixing holes and without needing to alter the electrical system.

## SURFACE-MOUNTING



Using the surface-mounting fixing accessories, the luminaires can be installed with a 30° or 45° tilt.

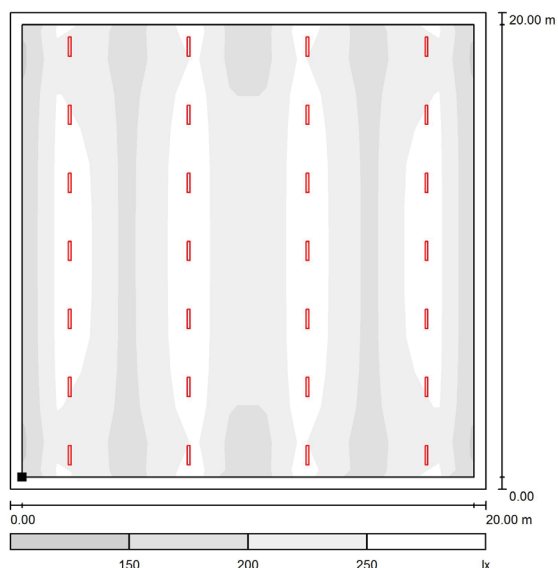
## Technical characteristics

<b>INSTALLATION</b>	Indoors
<b>COLOUR</b>	Grey RAL7035
<b>MATERIALS</b>	
<b>Body</b>	PC
<b>High bay</b>	Pre-painted white metal sheet
<b>Screen</b>	PC stabilised for UV

<b>DEGREE OF PROTECTION</b>	IP66
<b>IMPACT RESISTANCE</b>	IK08
<b>INSULATION CLASS</b>	II
<b>LIFESPAN</b>	L80B20 @25° = 50000h L80B50 @25° = 70000h L70B50 @25° = 90000h
<b>MARKINGS</b>	CE

## Installation solutions

### Project: Electrical power plants



<b>Standard</b>	EN 12464-1:2011
<b>Reference</b>	5.20.3
<b>Task or job carried out</b>	Machine rooms
<b>Average lighting on the work surface (Em)</b>	200 lx
<b>Uniformity (Uo)</b>	0.4
<b>Room dimensions</b>	20 x 20 x 3m
<b>Product code</b>	<b>GWS3236TC</b>
<b>Quantity</b>	28
<b>Average lighting on the work surface (Em)</b>	230
<b>Uniformity (Uo)</b>	0.4
<b>Installed electric power</b>	0.9 KW

# Smart [3] S

LED

## LED watertight luminaires

High power LED luminaires with light emission of more than 8000lm.

Versatile and innovative, when installed in new systems, it represents the ideal solution for increasing energy efficiency, significantly reducing the number of luminaires that need to be installed when compared with traditional technologies.

In pre-existing systems, installation is facilitated thanks to the variable fixing centre distance, with no need to carry out operations on the electrical system.



**Technical characteristics page 202**

## SMART[3] S



### TRANSPARENT DIFFUSER



GW S3 280 TS

#### WIRED VERSIONS - IP66/IP69 - CLASS II



CONSTANT  
CURRENT  
DRIVER



Code	Length	LED number	Colour temperature	System power	Nominal flux (lm)	Lumen output (lm)	Weight (kg)	Pack Carton
<b>Voltage: 220/240 V - 50/60 Hz - Stand alone</b>								
GW S3 280 TS	1600	90	4000 K (CRI 80)	67 W	9450	8220	2.5	1/90

Opal versions available on request.

**NOTE:** due to the continuous changes with the LED technologies, the technical data can undertake variations.

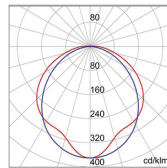
Nominal flux referred to Tj=85°C.

Suitable for indoor uses.

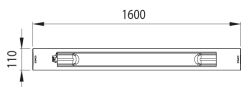
Maximum working temperature: +35°C.

**SUPPLIED ACCESSORIES:** Female connector (end cap only for through wiring version).

#### Photometric distributions



Transp.shield

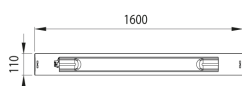




**TRANSPARENT DIFFUSER - QUICK WIRING CONNECTION**



GW S3 280 TLS



**WIRED VERSIONS - IP66/IP69 - CLASS II**



CONSTANT  
CURRENT  
DRIVER



Code	Length	LED number	Colour temperature	System power	Nominal flux (lm)	Lumen output (lm)	Weight (kg)	Pack Carton
<b>Voltage: 220/240 V - 50/60 Hz - Stand alone</b>								
<b>GW S3 280 TLS</b>	1600	90	4000 K (CRI 80)	67 W	9450	8220	2.5	1/90

Opal versions available on request.

**NOTE:** due to the continuous changes with the LED technologies, the technical data can undertake variations.

Nominal flux referred to Tj=85°C.

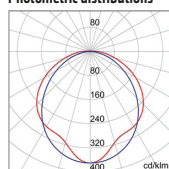
Suitable for indoor uses.

Maximum working temperature: +35°C.

maximum luminaries in line : 25 pieces.

**SUPPLIED ACCESSORIES:** Female connector (end cap only for through wiring version).

**Photometric distributions**



Transp.shield

**COMPLEMENTARY ITEMS**



GW S3 192

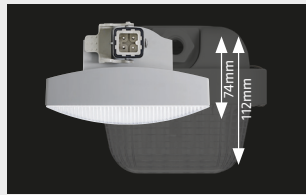
**COMPLEMENTARY ITEMS FOR INSTALLATION**

Code	Description	Pack Carton
<b>GW S3 191</b>	Pair of brackets for fixing to the wall at 30° or 45°	1/10
<b>GW S3 192</b>	2P 10 A male connector	1/10
<b>GW S3 193</b>	Flexible connector for 20 mm pipe	1/10

# Smart [3] S



## REDUCED THICKNESS



Compared with the market standards, Smart [3] stands out for its compactness, meaning it can be installed in places where space is particularly limited.

## IP66/IP69



The degree of protection, earth-free insulation and high impact resistance allow Smart [3] to withstand damp, dirt and atmospheric agents.

## COLOUR TEMPERATURE AND YIELD



The chromatic yield index of at least 80, and the 4000K colour temperature, ensure the best lighting even in production contexts (as specified by UNI EN 12464-1).

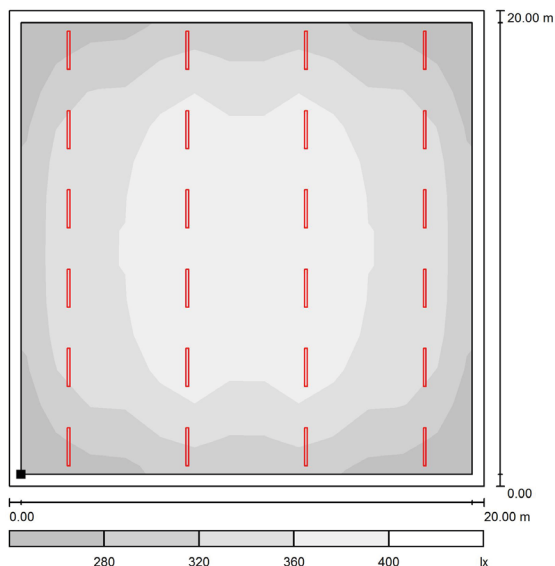
## Technical characteristics

<b>INSTALLATION</b>	Indoors
<b>COLOUR</b>	Grey RAL7035
<b>MATERIALS</b>	
<b>Body</b>	PC
<b>High bay</b>	Pre-painted white metal sheet
<b>Screen</b>	PC stabilised for UV

<b>DEGREE OF PROTECTION</b>	IP66
<b>IMPACT RESISTANCE</b>	IK08
<b>INSULATION CLASS</b>	II
<b>LIFESPAN</b>	L80B20 @25° = 50000h L80B50 @25° = 70000h L70B50 @25° = 90000h
<b>MARKINGS</b>	CE

## Installation solutions

### Project: Iron and steel machining



<b>Standard</b>	EN 12464-1:2011
<b>Reference</b>	5.22.6
<b>Task or job carried out</b>	Rolling mill winders, cutting line
<b>Average lighting on the work surface (Em)</b>	300 lx
<b>Uniformity (Uo)</b>	0.6
<b>Room dimensions</b>	20 x 20 x 6m
<b>Product code</b>	<b>GWS3280TS</b>
<b>Quantity</b>	24
<b>Average lighting on the work surface (Em)</b>	340
<b>Uniformity (Uo)</b>	0.7
<b>Installed electric power</b>	1.6 KW

# Smart [4] 2.0 LB-HB

LED

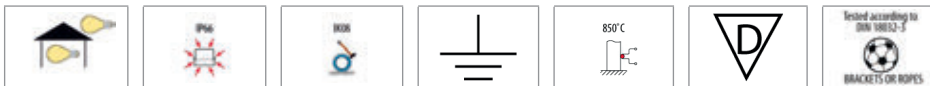
## Industrial devices

Thanks to the new latest generation LEDs, which are always combined with the most efficient optic solutions, the Smart[4] 2.0 range guarantees excellent lighting performance, greater visual comfort and excellent light quality.



Technical characteristics page 222

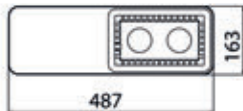
## SMART[4] 2.0 LB - 2L - EQUIVALENT TO 1X58W FD



### STANDARD VERSIONS



GW S4 004 GS



### WIRED VERSIONS - IP66 - CLASS I



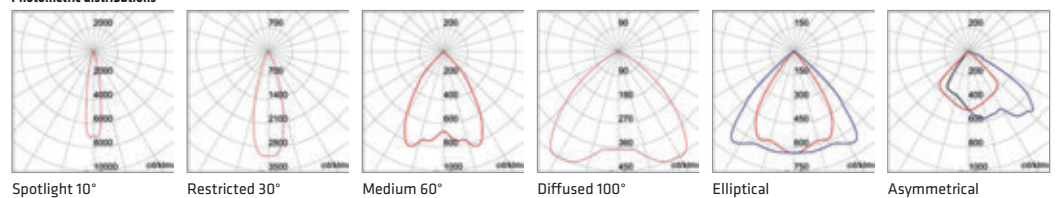
Code	Optic	Colour temperature	System power	Nominal flux (lm)	Lumen output (lm)	Colour	Weight (kg)	Pack Carton
<b>Voltage: 220/240 V - 50/60 Hz - Stand alone</b>								
GW S4 001 GS	Spotlight 10°	4000 K (CRI 80)	25 W	2960	2130	Grey RAL 7037	3	1
GW S4 002 GS	Restricted 30°	4000 K (CRI 80)	25 W	2960	2060	Grey RAL 7037	3	1
GW S4 003 GS	Medium 60°	4000 K (CRI 80)	25 W	2960	2730	Grey RAL 7037	3	1
GW S4 004 GS	Diffused 100°	4000 K (CRI 80)	25 W	2960	2600	Grey RAL 7037	3	1
GW S4 005 GS	Elliptical	4000 K (CRI 80)	25 W	2960	2640	Grey RAL 7037	3	1
GW S4 006 GS	Asymmetrical	4000 K (CRI 80)	25 W	2960	2540	Grey RAL 7037	3	1
<b>Voltage: 220/240 V - 50/60 Hz - DALI</b>								
GW S4 001 GD	Spotlight 10°	4000 K (CRI 80)	26 W	2960	2130	Grey RAL 7037	3	1
GW S4 002 GD	Restricted 30°	4000 K (CRI 80)	26 W	2960	2060	Grey RAL 7037	3	1
GW S4 003 GD	Medium 60°	4000 K (CRI 80)	26 W	2960	2730	Grey RAL 7037	3	1
GW S4 004 GD	Diffused 100°	4000 K (CRI 80)	26 W	2960	2600	Grey RAL 7037	3	1
GW S4 005 GD	Elliptical	4000 K (CRI 80)	26 W	2960	2640	Grey RAL 7037	3	1
GW S4 006 GD	Asymmetrical	4000 K (CRI 80)	26 W	2960	2540	Grey RAL 7037	3	1

**ACCESSORIES SUPPLIED:** Watertight connector, two fixing points for suspension and 45° spring with safety system.

**NOTE:** due to the continuous changes with the LED technologies, the technical data can undertake variations. Nominal flux referred to Tj=85°C.

Versions with 3000K (-30K) or 5700K (-57K) LED available on demand. Maximum working temperature: +50°C.

### Photometric distributions

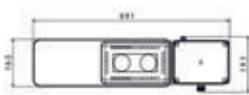


# Smart [4] 2.0 LB

## EMERGENCY VERSION



GW S4 004 GE

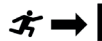


### WIRED VERSION - IP56 - CLASS I



CONSTANT CURRENT DRIVER

EMERGENCY



5 YEARS WARRANTY



Code	Optic	System power	Lumen output (lm)	Luminous flux in emerg. [lm]	Colour temperature	Colour	Weight (kg)	Pack Carton
<b>Voltage: 220/240 V - 50/60 Hz - Stand alone</b>								
GW S4 004 GE	Diffused 100°	28 W	2600	260	4000 K (CRI 80)	Grey RAL 7037	1	1

**NOTE:** Ni-Cd battery, 3h autonomy with 24h recharge time.

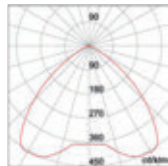
Version not tested in accordance with DIN 18032-3 for installation in indoor sports facilities.

due to the continuous changes with the LED technologies, the technical data can undertake variations.

Nominal flux referred to Tj=85°C.

Minimum working temperature: +5 °C.

#### Photometric distributions

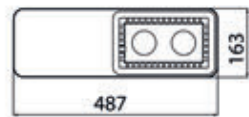


Diffused 100°

## VERSIONS WITH RADIO FREQUENCY MANAGEMENT



GW S4 004 GR



### WIRED VERSIONS - IP66 - CLASS I



CONSTANT CURRENT DRIVER

5 YEARS WARRANTY



Code	Optic	Colour temperature	System power	Nominal flux (lm)	Lumen output (lm)	Colour	Weight (kg)	Pack Carton
<b>Voltage: 220/240V - 50/60 Hz - Bluetooth</b>								
GW S4 001 GR	Spotlight 10°	4000 K (CRI 80)	26 W	2960	2130	Grey RAL 7037	3	1
GW S4 002 GR	Restricted 30°	4000 K (CRI 80)	26 W	2960	2060	Grey RAL 7037	3	1
GW S4 003 GR	Medium 60°	4000 K (CRI 80)	26 W	2960	2730	Grey RAL 7037	3	1
GW S4 004 GR	Diffused 100°	4000 K (CRI 80)	26 W	2960	2600	Grey RAL 7037	3	1
GW S4 005 GR	Elliptical	4000 K (CRI 80)	26 W	2960	2640	Grey RAL 7037	3	1
GW S4 006 GR	Asymmetrical	4000 K (CRI 80)	26 W	2960	2540	Grey RAL 7037	3	1

**ACCESSORIES SUPPLIED:** Watertight connector, two fixing points for suspension and 45° spring with safety system.

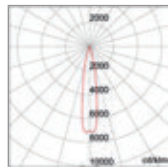
**NOTE:** Versions managed via application for Android or IOS systems, with Bluetooth version 4.0 or later connectivity.

due to the continuous changes with the LED technologies, the technical data can undertake variations. Nominal flux referred to Tj=85°C.

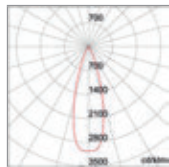
Versions with 3000K (-30K) or 5700K (-57K) LED available on demand.

Maximum working temperature: +35°C.

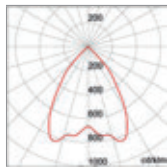
#### Photometric distributions



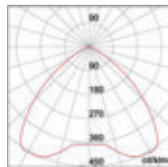
Spotlight 10°



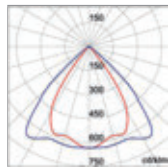
Restricted 30°



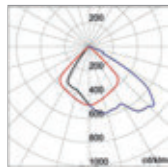
Medium 60°



Diffused 100°



Elliptical



Asymmetrical

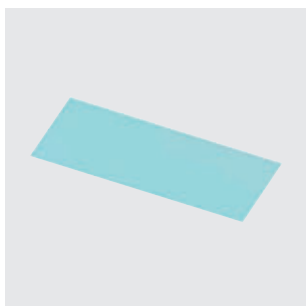
**COMPLEMENTARY ITEMS**



GW L1 921

**COMPLEMENTS FOR INSTALLATION**

Code	Description	Pieces needed to complete the article	Pack Carton
GW L1 901	Kit of adjustable suspension ropes with safety clamp	1	1
GW L1 921	Bracket 2L	1	1



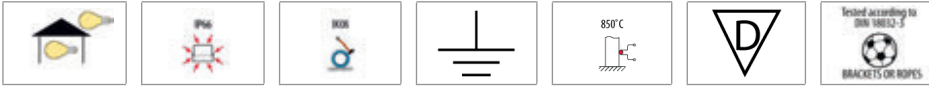
GW L1 906

**SPARE PART**

Code	Description	Pack Carton
GW L1 906	Transparent glass 2L	1

# Smart [4] 2.0 LB

## SMART[4] 2.0 LB - 2+2L - EQUIVALENT TO 2X58W FD



### STANDARD VERSIONS



GW S4 014 GS



### WIRED VERSIONS - IP66 - CLASS I



CONSTANT  
CURRENT  
DRIVER



Code	Optic	Colour temperature	System power	Nominal flux (lm)	Lumen output (lm)	Colour	Weight (kg)	Pack Carton
<b>Voltage: 220/240 V - 50/60 Hz - Stand alone</b>								
GW S4 011 GS	Spotlight 10°	4000 K (CRI 80)	50 W	5910	4250	Grey RAL 7037	5.1	1
GW S4 012 GS	Restricted 30°	4000 K (CRI 80)	50 W	5910	4120	Grey RAL 7037	5.1	1
GW S4 013 GS	Medium 60°	4000 K (CRI 80)	50 W	5910	5460	Grey RAL 7037	5.1	1
GW S4 014 GS	Diffused 100°	4000 K (CRI 80)	50 W	5910	5210	Grey RAL 7037	5.1	1
GW S4 015 GS	Elliptical	4000 K (CRI 80)	50 W	5910	5280	Grey RAL 7037	5.1	1
GW S4 016 GS	Asymmetrical	4000 K (CRI 80)	50 W	5910	5080	Grey RAL 7037	5.1	1
<b>Voltage: 220/240 V - 50/60 Hz - DALI</b>								
GW S4 011 GD	Spotlight 10°	4000 K (CRI 80)	51 W	5910	4250	Grey RAL 7037	5.1	1
GW S4 012 GD	Restricted 30°	4000 K (CRI 80)	51 W	5910	4120	Grey RAL 7037	5.1	1
GW S4 013 GD	Medium 60°	4000 K (CRI 80)	51 W	5910	5460	Grey RAL 7037	5.1	1
GW S4 014 GD	Diffused 100°	4000 K (CRI 80)	51 W	5910	5210	Grey RAL 7037	5.1	1
GW S4 015 GD	Elliptical	4000 K (CRI 80)	51 W	5910	5280	Grey RAL 7037	5.1	1
GW S4 016 GD	Asymmetrical	4000 K (CRI 80)	51 W	5910	5080	Grey RAL 7037	5.1	1

**ACCESSORIES SUPPLIED:** Watertight connector, two fixing points for suspension and 45° spring with safety system.

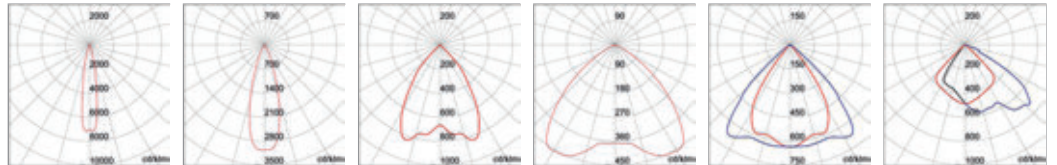
**NOTE:** due to the continuous changes with the LED technologies, the technical data can undertake variations.

Nominal flux referred to Tj=85°C.

Versions with 3000K (-30K) or 5700K (-57K) LED available on demand.

Maximum working temperature: +50°C.

#### Photometric distributions



Spotlight 10°

Restricted 30°

Medium 60°

Diffused 100°

Elliptical

Asymmetrical

### EMERGENCY VERSION



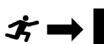
GW S4 014 GE

### WIRED VERSION - IP56 - CLASS I



CONSTANT  
CURRENT  
DRIVER

EMERGENCY



Code	Optic	System power	Lumen output (lm)	Luminous flux in emerg. [lm]	Colour temperature	Colour	Weight (kg)	Pack Carton
<b>Voltage: 220/240 V - 50/60 Hz - Stand alone</b>								
GW S4 014 GE	Diffused 100°	53 W	5210	520	4000 K (CRI 80)	Grey RAL 7037	5.1	1

**NOTE:** Ni-Cd battery, 3h autonomy with 24h recharge time.

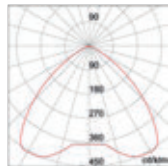
Version not tested in accordance with DIN 18032-3 for installation in indoor sports facilities.

due to the continuous changes with the LED technologies, the technical data can undertake variations

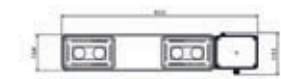
Nominal flux referred to Tj=85°C

Minimum working temperature: +5 °C.

#### Photometric distributions



Diffused 100°



**VERSIONS WITH RADIO FREQUENCY MANAGEMENT**



GW S4 014 GR

**WIRED VERSIONS - IP66 - CLASS I**



Code	Optic	Colour temperature	System power	Nominal flux (lm)	Lumen output (lm)	Colour	Weight (kg)	Pack Carton
<b>Voltage: 220/240V - 50/60 Hz - Bluetooth</b>								
GW S4 011 GR	Spotlight 10°	4000 K (CRI 80)	51 W	5910	4250	Grey RAL 7037	5.1	1
GW S4 012 GR	Restricted 30°	4000 K (CRI 80)	51 W	5910	4120	Grey RAL 7037	5.1	1
GW S4 013 GR	Medium 60°	4000 K (CRI 80)	51 W	5910	5460	Grey RAL 7037	5.1	1
GW S4 014 GR	Diffused 100°	4000 K (CRI 80)	51 W	5910	5210	Grey RAL 7037	5.1	1
GW S4 015 GR	Elliptical	4000 K (CRI 80)	51 W	5910	5280	Grey RAL 7037	5.1	1
GW S4 016 GR	Asymmetrical	4000 K (CRI 80)	51 W	5910	5080	Grey RAL 7037	5.1	1

**ACCESSORIES SUPPLIED:** Watertight connector, two fixing points for suspension and 45° spring with safety system.

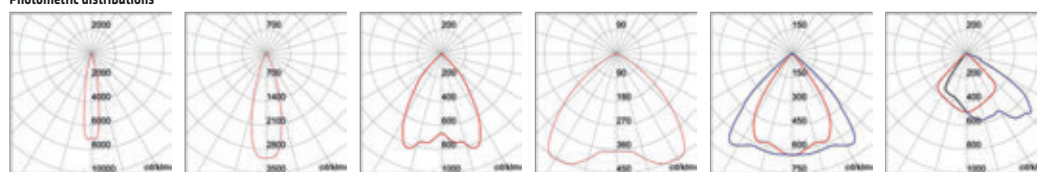
**NOTE:** Versions managed via application for Android or IOS systems, with Bluetooth version 4.0 or later connectivity, due to the continuous changes with the LED technologies, the technical data can undertake variations.

Nominal flux referred to Tj=85°C.

Versions with 3000K (-30K) or 5700K (-57K) LED available on demand.

Maximum working temperature: +35°C.

**Photometric distributions**



Spotlight 10°

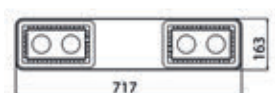
Restricted 30°

Medium 60°

Diffused 100°

Elliptical

Asymmetrical



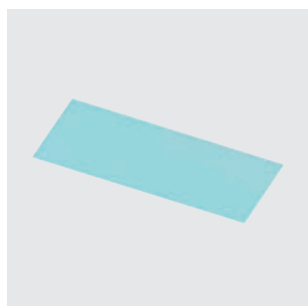
**COMPLEMENTARY ITEMS**



GW L1 922

**COMPLEMENTS FOR INSTALLATION**

Code	Description	Pieces needed to complete the article	Pack Carton
GW L1 901	Kit of adjustable suspension ropes with safety clamp	1	1
GW L1 922	Bracket 2+2L	1	1



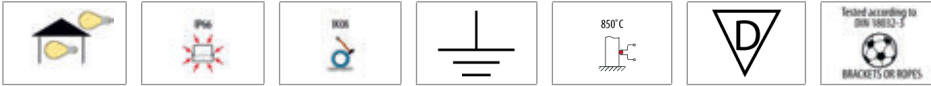
GW L1 906

**SPARE PART**

Code	Description	Pack Carton
GW L1 906	Transparent glass 2L	1

# Smart [4] 2.0 LB

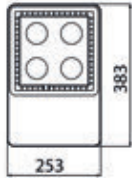
## SMART[4] 2.0 LB - 4L - EQUIVALENT TO 2X58W FD



### STANDARD VERSIONS



GW S4 024 GS



### WIRED VERSION - IP66 - CLASS I



CONSTANT  
CURRENT  
DRIVER



Code	Optic	Colour temperature	System power	Nominal flux (lm)	Lumen output (lm)	Colour	Weight (kg)	Pack Carton
<b>Voltage: 220/240 V - 50/60 Hz - Stand alone</b>								
GW S4 021 GS	Spotlight 10°	4000 K (CRI 80)	50 W	5910	4250	Grey RAL 7037	5.1	1
GW S4 022 GS	Restricted 30°	4000 K (CRI 80)	50 W	5910	4120	Grey RAL 7037	5.1	1
GW S4 023 GS	Medium 60°	4000 K (CRI 80)	50 W	5910	5460	Grey RAL 7037	5.1	1
GW S4 024 GS	Diffused 100°	4000 K (CRI 80)	50 W	5910	5210	Grey RAL 7037	5.1	1
GW S4 025 GS	Elliptical	4000 K (CRI 80)	50 W	5910	5280	Grey RAL 7037	5.1	1
GW S4 026 GS	Asymmetrical	4000 K (CRI 80)	50 W	5910	5080	Grey RAL 7037	5.1	1
<b>Voltage: 220/240 V - 50/60 Hz - DALI</b>								
GW S4 021 GD	Spotlight 10°	4000 K (CRI 80)	51 W	5910	4250	Grey RAL 7037	5.1	1
GW S4 022 GD	Restricted 30°	4000 K (CRI 80)	51 W	5910	4120	Grey RAL 7037	5.1	1
GW S4 023 GD	Medium 60°	4000 K (CRI 80)	51 W	5910	5460	Grey RAL 7037	5.1	1
GW S4 024 GD	Diffused 100°	4000 K (CRI 80)	51 W	5910	5210	Grey RAL 7037	5.1	1
GW S4 025 GD	Elliptical	4000 K (CRI 80)	51 W	5910	5280	Grey RAL 7037	5.1	1
GW S4 026 GD	Asymmetrical	4000 K (CRI 80)	51 W	5910	5080	Grey RAL 7037	5.1	1

**ACCESSORIES SUPPLIED:** Watertight connector, steel plate with two fixing points for suspension and spring with safety system.

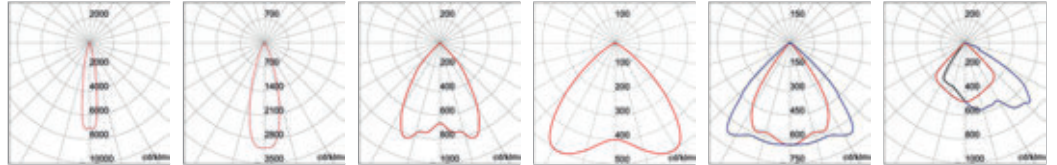
**NOTE:** due to the continuous changes with the LED technologies, the technical data can undertake variations.

Nominal flux referred to Tj=85°C.

Versions with 3000K (-30K) or 5700K (-57K) LED available on demand.

Maximum working temperature: +50°C.

#### Photometric distributions



Spotlight 10°

Restricted 30°

Medium 60°

Diffused 100°

Elliptical

Asymmetrical

### EMERGENCY VERSION



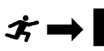
GW S4 024 GE

### WIRED VERSION - IP56 - CLASS I



CONSTANT  
CURRENT  
DRIVER

EMERGENCY



Code	Optic	System power	Lumen output (lm)	Luminous flux in emerg. [lm]	Colour temperature	Colour	Weight (kg)	Pack Carton
<b>Voltage: 220/240 V - 50/60 Hz - Stand alone</b>								
GW S4 024 GE	Diffused 100°	53 W	5210	520	4000 K (CRI 80)	Grey RAL 7037	5.1	1

**NOTE:** Ni-Cd battery, 3h autonomy with 24h recharge time.

Version not tested in accordance with DIN 18032-3 for installation in indoor sports facilities.

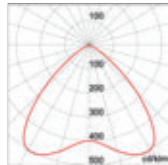
due to the continuous changes with the LED technologies, the technical data can undertake variations.

Nominal flux referred to Tj=85°C.

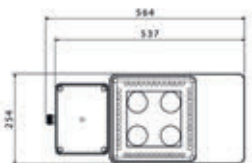
Minimum working temperature: +5 °C.

Versions with 3000K (-30K) or 5700K (-57K) LED available on demand.

#### Photometric distributions



Diffused 100°

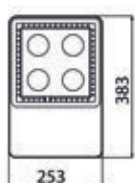




**VERSIONS WITH RADIO FREQUENCY MANAGEMENT**



GW S4 024 GR



**WIRED VERSION - IP66 - CLASS I**



Code	Optic	Colour temperature	System power	Nominal flux (lm)	Lumen output (lm)	Colour	Weight (kg)	Pack Carton
<b>Voltage: 220/240V - 50/60 Hz - Bluetooth</b>								
GW S4 021 GR	Spotlight 10°	4000 K (CRI 80)	51 W	5910	4250	Grey RAL 7037	5.1	1
GW S4 022 GR	Restricted 30°	4000 K (CRI 80)	51 W	5910	4120	Grey RAL 7037	5.1	1
GW S4 023 GR	Medium 60°	4000 K (CRI 80)	51 W	5910	5460	Grey RAL 7037	5.1	1
GW S4 024 GR	Diffused 100°	4000 K (CRI 80)	51 W	5910	5210	Grey RAL 7037	5.1	1
GW S4 025 GR	Elliptical	4000 K (CRI 80)	51 W	5910	5280	Grey RAL 7037	5.1	1
GW S4 026 GR	Asymmetrical	4000 K (CRI 80)	51 W	5910	5080	Grey RAL 7037	5.1	1

**ACCESSORIES SUPPLIED:** Watertight connector, steel plate with two fixing points for suspension and spring with safety system.

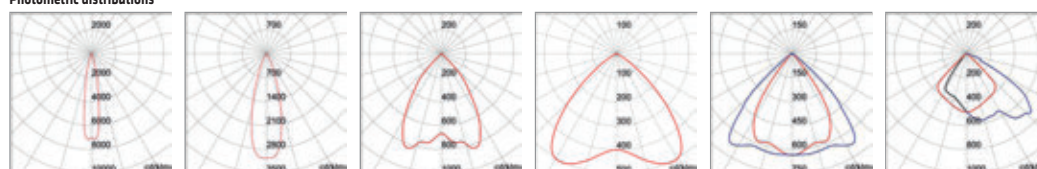
**NOTE:** Versions managed via application for Android or IOS systems, with Bluetooth version 4.0 or later connectivity, due to the continuous changes with the LED technologies, the technical data can undertake variations.

Nominal flux referred to Tj=85°C.

Versions with 3000K (-30K) or 5700K (-57K) LED available on demand.

Maximum working temperature: +35°C.

**Photometric distributions**



Spotlight 10°

Restricted 30°

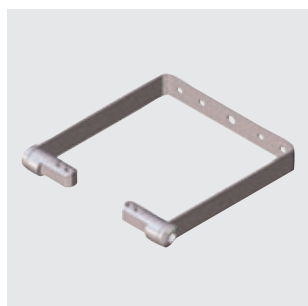
Medium 60°

Diffused 100°

Elliptical

Asymmetrical

**COMPLEMENTARY ITEMS**



GW L1 923

**COMPLEMENTS FOR INSTALLATION**

Code	Description	Pieces needed to complete the article	Pack Carton
GW L1 901	Kit of adjustable suspension ropes with safety clamp	1	1
GW L1 923	Bracket 4L / 5L	1	1
GW L1 926	Fixing plate to pipe 4L-5L	1	1
GW L1 929	SMART[4] 4L-5L metal cover	1	1

**NOTE:** GWL1926 fixing plates on pipe with diameter 40/60 mm.



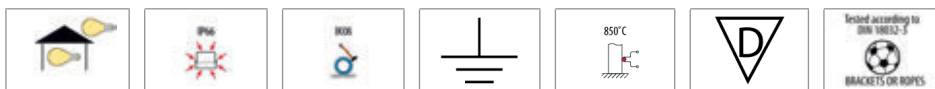
GW L1 907

**SPARE PART**

Code	Description	Dimensions (mm)	Pack Carton
GW L1 907	Transparent glass 4L-5L	176 x 176	1

# Smart [4] 2.0 LB

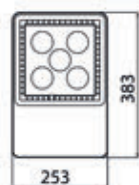
## SMART[4] 2.0 LB - 5L - EQUIVALENT TO 2X58W FD



### STANDARD VERSIONS



GW S4 034 GS



#### WIRED VERSION - IP66 - CLASS I



Code	Optic	Colour temperature	System power	Nominal flux (lm)	Lumen output (lm)	Colour	Weight (kg)	Pack Carton
<b>Voltage: 220/240 V - 50/60 Hz - Stand alone</b>								
GW S4 031 GS	Spotlight 10°	4000 K (CRI 80)	60 W	7120	5320	Grey RAL 7037	4.9	1
GW S4 032 GS	Restricted 30°	4000 K (CRI 80)	60 W	7120	5150	Grey RAL 7037	4.9	1
GW S4 033 GS	Medium 60°	4000 K (CRI 80)	60 W	7120	6820	Grey RAL 7037	4.9	1
GW S4 034 GS	Diffused 100°	4000 K (CRI 80)	60 W	7120	6510	Grey RAL 7037	4.9	1
GW S4 035 GS	Elliptical	4000 K (CRI 80)	60 W	7120	6600	Grey RAL 7037	4.9	1
GW S4 036 GS	Asymmetrical	4000 K (CRI 80)	60 W	7120	6350	Grey RAL 7037	4.9	1
<b>Voltage: 220/240 V - 50/60 Hz - DALI</b>								
GW S4 031 GD	Spotlight 10°	4000 K (CRI 80)	61 W	7120	5320	Grey RAL 7037	4.9	1
GW S4 032 GD	Restricted 30°	4000 K (CRI 80)	61 W	7120	5150	Grey RAL 7037	4.9	1
GW S4 033 GD	Medium 60°	4000 K (CRI 80)	61 W	7120	6820	Grey RAL 7037	4.9	1
GW S4 034 GD	Diffused 100°	4000 K (CRI 80)	61 W	7120	6510	Grey RAL 7037	4.9	1
GW S4 035 GD	Elliptical	4000 K (CRI 80)	61 W	7120	6600	Grey RAL 7037	4.9	1
GW S4 036 GD	Asymmetrical	4000 K (CRI 80)	61 W	7120	6350	Grey RAL 7037	4.9	1

**ACCESSORIES SUPPLIED:** Watertight connector, steel plate with two fixing points for suspension and spring with safety system.

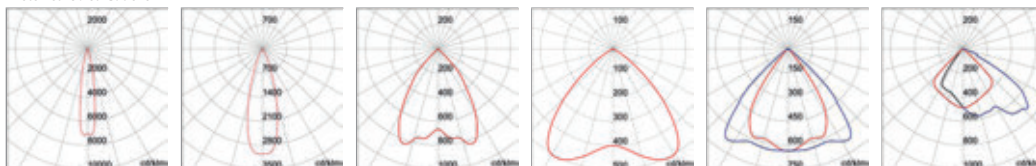
**NOTE:** due to the continuous changes with the LED technologies, the technical data can undertake variations.

Nominal flux referred to Tj=85°C.

Versions with 3000K (-30K) or 5700K (-57K) LED available on demand.

Maximum working temperature: +50°C.

#### Photometric distributions



Spotlight 10°

Restricted 30°

Medium 60°

Diffused 100°

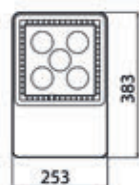
Elliptical

Asymmetrical

### VERSIONS WITH RADIO FREQUENCY MANAGEMENT



GW S4 034 GR



#### WIRED VERSION - IP66 - CLASS I



Code	Optic	Colour temperature	System power	Nominal flux (lm)	Lumen output (lm)	Colour	Weight (kg)	Pack Carton
<b>Voltage: 220/240V - 50/60 Hz - Bluetooth</b>								
GW S4 031 GR	Spotlight 10°	4000 K (CRI 80)	61 W	7120	5320	Grey RAL 7037	4.9	1
GW S4 032 GR	Restricted 30°	4000 K (CRI 80)	61 W	7120	5150	Grey RAL 7037	4.9	1
GW S4 033 GR	Medium 60°	4000 K (CRI 80)	61 W	7120	6820	Grey RAL 7037	4.9	1
GW S4 034 GR	Diffused 100°	4000 K (CRI 80)	61 W	7120	6510	Grey RAL 7037	4.9	1
GW S4 035 GR	Elliptical	4000 K (CRI 80)	61 W	7120	6600	Grey RAL 7037	4.9	1
GW S4 036 GR	Asymmetrical	4000 K (CRI 80)	61 W	7120	6350	Grey RAL 7037	4.9	1

**ACCESSORIES SUPPLIED:** Watertight connector, steel plate with two fixing points for suspension and spring with safety system.

**NOTE:** Versions managed via application for Android or IOS systems, with Bluetooth version 4.0 or later connectivity.

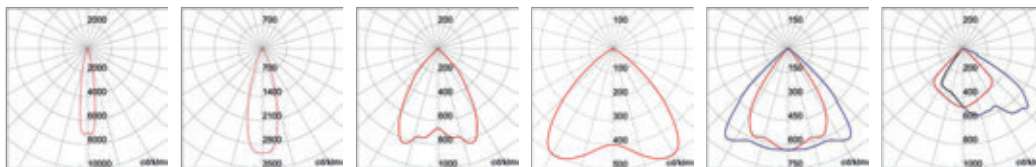
due to the continuous changes with the LED technologies, the technical data can undertake variations.

Nominal flux referred to Tj=85°C.

Versions with 3000K (-30K) or 5700K (-57K) LED available on demand.

Maximum working temperature: +35°C.

#### Photometric distributions



Spotlight 10°

Restricted 30°

Medium 60°

Diffused 100°

Elliptical

Asymmetrical

**COMPLEMENTARY ITEMS**


GW L1 923

**COMPLEMENTS FOR INSTALLATION**

Code	Description	Pieces needed to complete the article	Pack Carton
GW L1 901	Kit of adjustable suspension ropes with safety clamp	1	1
GW L1 923	Bracket 4L / 5L	1	1
GW L1 926	Fixing plate to pipe 4L-5L	1	1
GW L1 929	SMART[4] 4L-5L metal cover	1	1

**NOTE:** GWL1926 fixing plates on pipe with diameter 40/60 mm.



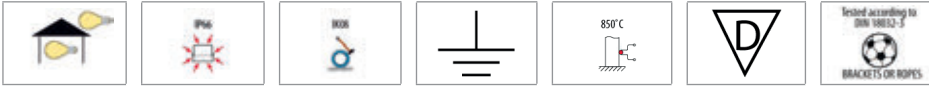
GW L1 907

**SPARE PART**

Code	Description	Dimensions (mm)	Pack Carton
GW L1 907	Transparent glass 4L-5L	176 x 176	1

# Smart [4] 2.0 LB

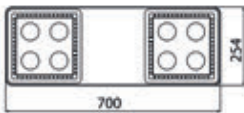
## SMART[4] 2.0 HB - 4+4L - EQUIVALENT TO 250 W ME



### STANDARD VERSIONS



GW S4 044 GS



### WIRED VERSION - IP66 - CLASS I



CONSTANT  
CURRENT  
DRIVER



Code	Optic	Colour temperature	System power	Nominal flux (lm)	Lumen output (lm)	Colour	Weight (kg)	Pack Carton
<b>Voltage: 220/240 V - 50/60 Hz - Stand alone</b>								
GW S4 041 GS	Spotlight 10°	4000 K (CRI 80)	97 W	11810	8510	Grey RAL 7037	7.4	1
GW S4 042 GS	Restricted 30°	4000 K (CRI 80)	97 W	11810	8240	Grey RAL 7037	7.4	1
GW S4 043 GS	Medium 60°	4000 K (CRI 80)	97 W	11810	10920	Grey RAL 7037	7.4	1
GW S4 044 GS	Diffused 100°	4000 K (CRI 80)	97 W	11810	10420	Grey RAL 7037	7.4	1
GW S4 045 GS	Elliptical	4000 K (CRI 80)	97 W	11810	10560	Grey RAL 7037	7.4	1
GW S4 046 GS	Asymmetrical	4000 K (CRI 80)	97 W	11810	10150	Grey RAL 7037	7.4	1
<b>Voltage: 220/240 V - 50/60 Hz - DALI</b>								
GW S4 041 GD	Spotlight 10°	4000 K (CRI 80)	100 W	11810	8510	Grey RAL 7037	7.4	1
GW S4 042 GD	Restricted 30°	4000 K (CRI 80)	100 W	11810	8240	Grey RAL 7037	7.4	1
GW S4 043 GD	Medium 60°	4000 K (CRI 80)	100 W	11810	10920	Grey RAL 7037	7.4	1
GW S4 044 GD	Diffused 100°	4000 K (CRI 80)	100 W	11810	10420	Grey RAL 7037	7.4	1
GW S4 045 GD	Elliptical	4000 K (CRI 80)	100 W	11810	10560	Grey RAL 7037	7.4	1
GW S4 046 GD	Asymmetrical	4000 K (CRI 80)	100 W	11810	10150	Grey RAL 7037	7.4	1

**ACCESSORIES SUPPLIED:** Watertight connector, four eye bolts and two fixed retaining wires for suspension.

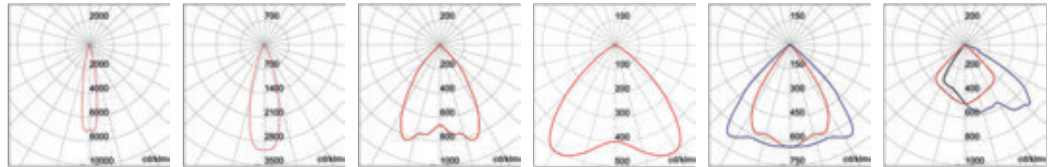
**NOTE:** due to the continuous changes with the LED technologies, the technical data can undertake variations.

Nominal flux referred to Tj=85°C.

Versions with 3000K (-30K) or 5700K (-57K) LED available on demand.

Maximum working temperature: +50°C.

#### Photometric distributions



Spotlight 10°

Restricted 30°

Medium 60°

Diffused 100°

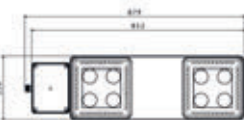
Elliptical

Asymmetrical

### EMERGENCY VERSION



GW S4 044 GE



### WIRED VERSION - IP56 - CLASS I



CONSTANT  
CURRENT  
DRIVER



EMERGENCY



Code	Optic	System power	Lumen output (lm)	Luminous flux in emerg. [lm]	Colour temperature	Colour	Weight (kg)	Pack Carton
<b>Voltage: 220/240 V - 50/60 Hz - Stand alone</b>								
GW S4 044 GE	Diffused 100°	100 W	10420	520	4000 K (CRI 80)	Grey RAL 7037	7.4	1

**NOTE:** Ni-Cd battery, 3h autonomy with 24h recharge time.

In emergency mode, only one LED unit works.

due to the continuous changes with the LED technologies, the technical data can undertake variations.

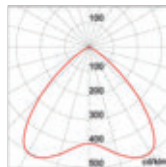
Nominal flux referred to Tj=85°C.

Version not tested in accordance with DIN 18032-3 for installation in indoor sports facilities.

Minimum working temperature: +5°C.

Versions with 3000K (-30K) or 5700K (-57K) LED available on demand.

#### Photometric distributions



Diffused 100°

**VERSIONS WITH RADIO FREQUENCY MANAGEMENT**



GW S4 044 GR

**WIRED VERSION - IP66 - CLASS I**



Code	Optic	Colour temperature	System power	Nominal flux (lm)	Lumen output (lm)	Colour	Weight (kg)	Pack Carton
<b>Voltage: 220/240V - 50/60 Hz - Bluetooth</b>								
GW S4 041 GR	Spotlight 10°	4000 K (CRI 80)	100 W	11810	8510	Grey RAL 7037	7.4	1
GW S4 042 GR	Restricted 30°	4000 K (CRI 80)	100 W	11810	8240	Grey RAL 7037	7.4	1
GW S4 043 GR	Medium 60°	4000 K (CRI 80)	100 W	11810	10920	Grey RAL 7037	7.4	1
GW S4 044 GR	Diffused 100°	4000 K (CRI 80)	100 W	11810	10420	Grey RAL 7037	7.4	1
GW S4 045 GR	Elliptical	4000 K (CRI 80)	100 W	11810	10560	Grey RAL 7037	7.4	1
GW S4 046 GR	Asymmetrical	4000 K (CRI 80)	100 W	11810	10150	Grey RAL 7037	7.4	1

**ACCESSORIES SUPPLIED:** Watertight connector, steel plate with two fixing points for suspension and spring with safety system.

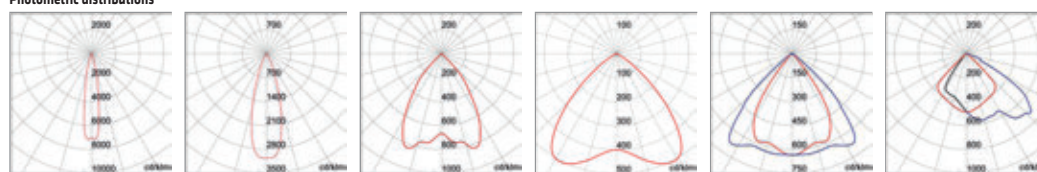
**NOTE:** Versions managed via application for Android or IOS systems, with Bluetooth version 4.0 or later connectivity, due to the continuous changes with the LED technologies, the technical data can undertake variations.

Nominal flux referred to Tj=85°C.

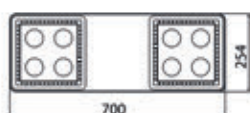
Versions with 3000K (-30K) or 5700K (-57K) LED available on demand.

Maximum working temperature: +35°C.

**Photometric distributions**



Spotlight 10°    Restricted 30°    Medium 60°    Diffused 100°    Elliptical    Asymmetrical



**COMPLEMENTARY ITEMS**



GW L1 924

**COMPLEMENTS FOR INSTALLATION**

Code	Description	Pieces needed to complete the article	Pack Carton
GW L1 901	Kit of adjustable suspension ropes with safety clamp	1	1
GW L1 924	Bracket 4+4L / 5+5L	1	1
GW L1 930	Fixing plate kit to pipe 4L-5L	1	1
GW L1 927	Wall/ceiling-mounting fixing kit 4+4L-5+5L	1	1

**NOTE:** GWL1930 fixing plates on pipe with diameter 40/60 mm.

**SPARE PART**

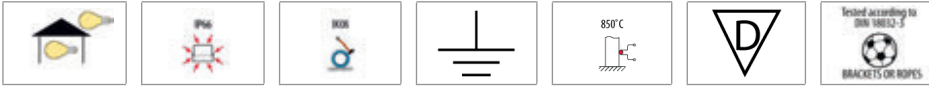
Code	Description	Dimensions (mm)	Pack Carton
GW L1 907	Transparent glass 4L-5L	176 x 176	1



GW L1 907

# Smart [4] 2.0 LB

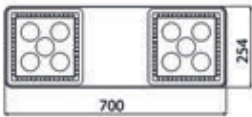
## SMART[4] 2.0 HB - 5+5L - EQUIVALENT TO 250W ME



### STANDARD VERSIONS



GW S4 054 GS



### WIRED VERSIONS - IP66 - CLASS I



Code	Optic	Colour temperature	System power	Nominal flux (lm)	Lumen output (lm)	Colour	Weight (kg)	Pack Carton
<b>Voltage: 220/240 V - 50/60 Hz - Stand alone</b>								
GW S4 051 GS	Spotlight 10°	4000 K (CRI 80)	118 W	14280	10630	Grey RAL 7037	8.5	1
GW S4 052 GS	Restricted 30°	4000 K (CRI 80)	118 W	14280	10300	Grey RAL 7037	8.5	1
GW S4 053 GS	Medium 60°	4000 K (CRI 80)	118 W	14280	13650	Grey RAL 7037	8.5	1
GW S4 054 GS	Diffused 100°	4000 K (CRI 80)	118 W	14280	13020	Grey RAL 7037	8.5	1
GW S4 055 GS	Elliptical	4000 K (CRI 80)	118 W	14280	13200	Grey RAL 7037	8.5	1
GW S4 056 GS	Asymmetrical	4000 K (CRI 80)	118 W	14280	12690	Grey RAL 7037	8.5	1
<b>Voltage: 220/240 V - 50/60 Hz - DALI</b>								
GW S4 051 GD	Spotlight 10°	4000 K (CRI 80)	121 W	14280	10630	Grey RAL 7037	8.5	1
GW S4 052 GD	Restricted 30°	4000 K (CRI 80)	121 W	14280	10300	Grey RAL 7037	8.5	1
GW S4 053 GD	Medium 60°	4000 K (CRI 80)	121 W	14280	13650	Grey RAL 7037	8.5	1
GW S4 054 GD	Diffused 100°	4000 K (CRI 80)	121 W	14280	13020	Grey RAL 7037	8.5	1
GW S4 055 GD	Elliptical	4000 K (CRI 80)	121 W	14280	13200	Grey RAL 7037	8.5	1
GW S4 056 GD	Asymmetrical	4000 K (CRI 80)	121 W	14280	12690	Grey RAL 7037	8.5	1

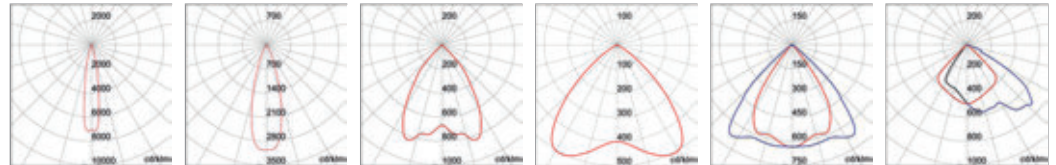
**ACCESSORIES SUPPLIED:** Watertight connector, four eye bolts and two fixed retaining wires for suspension.

**NOTE:** due to the continuous changes with the LED technologies, the technical data can undertake variations. Nominal flux referred to Tj=85°C.

Versions with 3000K (-30K) or 5700K (-57K) LED available on demand.

Maximum working temperature: +50°C.

#### Photometric distributions

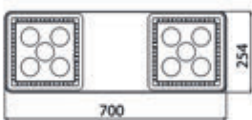


Spotlight 10°      Restricted 30°      Medium 60°      Diffused 100°      Elliptical      Asymmetrical

### VERSIONS WITH RADIO FREQUENCY MANAGEMENT



GW S4 054 GR



### WIRED VERSIONS - IP66 - CLASS I



Code	Optic	Colour temperature	System power	Nominal flux (lm)	Lumen output (lm)	Colour	Weight (kg)	Pack Carton
<b>Voltage: 220/240V - 50/60 Hz - Bluetooth</b>								
GW S4 051 GR	Spotlight 10°	4000 K (CRI 80)	121 W	14280	10630	Grey RAL 7037	8.5	1
GW S4 052 GR	Restricted 30°	4000 K (CRI 80)	121 W	14280	10300	Grey RAL 7037	8.5	1
GW S4 053 GR	Medium 60°	4000 K (CRI 80)	121 W	14280	13650	Grey RAL 7037	8.5	1
GW S4 054 GR	Diffused 100°	4000 K (CRI 80)	121 W	14280	13020	Grey RAL 7037	8.5	1
GW S4 055 GR	Elliptical	4000 K (CRI 80)	121 W	14280	13200	Grey RAL 7037	8.5	1
GW S4 056 GR	Asymmetrical	4000 K (CRI 80)	121 W	14280	12690	Grey RAL 7037	8.5	1

**ACCESSORIES SUPPLIED:** Watertight connector, four eye bolts and two fixed retaining wires for suspension.

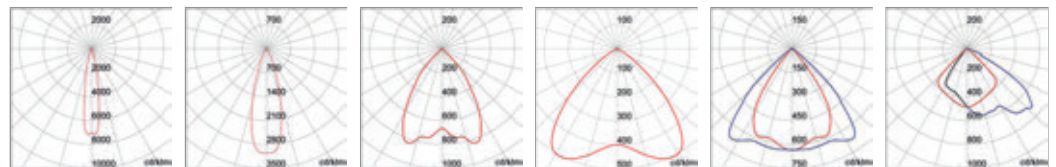
**NOTE:** Versions managed via application for Android or IOS systems, with Bluetooth version 4.0 or later connectivity. due to the continuous changes with the LED technologies, the technical data can undertake variations.

Nominal flux referred to Tj=85°C.

Versions with 3000K (-30K) or 5700K (-57K) LED available on demand.

Maximum working temperature: +35°C.

#### Photometric distributions



Spotlight 10°      Restricted 30°      Medium 60°      Diffused 100°      Elliptical      Asymmetrical

**COMPLEMENTARY ITEMS**


GW L1 924

**COMPLEMENTS FOR INSTALLATION**

Code	Description	Pieces needed to complete the article	Pack Carton
GW L1 901	Kit of adjustable suspension ropes with safety clamp	1	1
GW L1 924	Bracket 4+4L / 5+5L	1	1
GW L1 930	Fixing plate kit to pipe 4L-5L	1	1
GW L1 927	Wall/ceiling-mounting fixing kit 4+4L-5+5L	1	1

**NOTE:** GWL1930 fixing plates on pipe with diameter 40/60 mm.



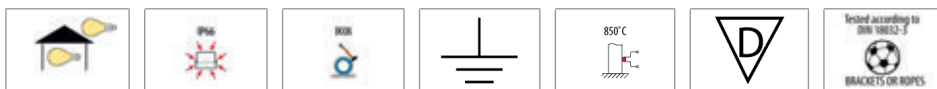
GW L1 907

**SPARE PART**

Code	Description	Dimensions (mm)	Pack Carton
GW L1 907	Transparent glass 4L-5L	176 x 176	1

# Smart [4] 2.0 LB

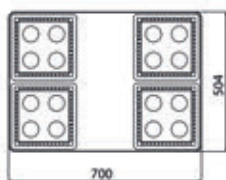
## SMART[4] 2.0 HB - 4X4L - EQUIVALENT TO 400W ME



### STANDARD VERSIONS



GW S4 064 GS



### WIRED VERSIONS - IP66 - CLASS I



Code	Optic	Colour temperature	System power	Nominal flux (lm)	Lumen output (lm)	Colour	Weight (kg)	Pack Carton
<b>Voltage: 220/240 V - 50/60 Hz - Stand alone</b>								
GW S4 061 GS	Spotlight 10°	4000 K (CRI 80)	194 W	23630	17010	Grey RAL 7037	13.4	1
GW S4 062 GS	Restricted 30°	4000 K (CRI 80)	194 W	23630	16480	Grey RAL 7037	13.4	1
GW S4 063 GS	Medium 60°	4000 K (CRI 80)	194 W	23630	21830	Grey RAL 7037	13.4	1
GW S4 064 GS	Diffused 100°	4000 K (CRI 80)	194 W	23630	20830	Grey RAL 7037	13.4	1
GW S4 065 GS	Elliptical	4000 K (CRI 80)	194 W	23630	21120	Grey RAL 7037	13.4	1
GW S4 066 GS	Asymmetrical	4000 K (CRI 80)	194 W	23630	20300	Grey RAL 7037	13.4	1
<b>Voltage: 220/240 V - 50/60 Hz - DALI</b>								
GW S4 061 GD	Spotlight 10°	4000 K (CRI 80)	203 W	23630	17010	Grey RAL 7037	13.4	1
GW S4 062 GD	Restricted 30°	4000 K (CRI 80)	203 W	23630	16480	Grey RAL 7037	13.4	1
GW S4 063 GD	Medium 60°	4000 K (CRI 80)	203 W	23630	21830	Grey RAL 7037	13.4	1
GW S4 064 GD	Diffused 100°	4000 K (CRI 80)	203 W	23630	20830	Grey RAL 7037	13.4	1
GW S4 065 GD	Elliptical	4000 K (CRI 80)	203 W	23630	21120	Grey RAL 7037	13.4	1
GW S4 066 GD	Asymmetrical	4000 K (CRI 80)	203 W	23630	20300	Grey RAL 7037	13.4	1

**ACCESSORIES SUPPLIED:** Watertight connector, four eye bolts and two fixed retaining wires for suspension.

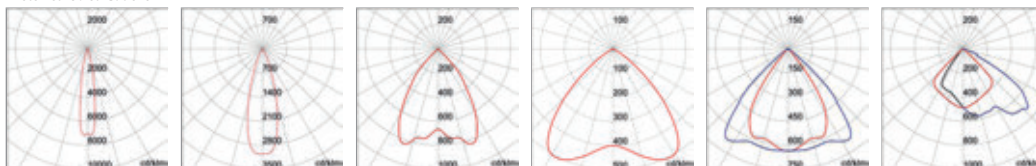
**NOTE:** due to the continuous changes with the LED technologies, the technical data can undertake variations.

Nominal flux referred to Tj=85°C.

Versions with 3000K (-30K) or 5700K (-57K) LED available on demand.

Maximum working temperature: +50°C.

#### Photometric distributions



Spotlight 10°

Restricted 30°

Medium 60°

Diffused 100°

Elliptical

Asymmetrical

### EMERGENCY VERSION



GW S4 064 GE

### WIRED VERSION - IP56 - CLASS I



Code	Optic	System power	Lumen output (lm)	Luminous flux in emerg. [lm]	Colour temperature	Colour	Weight (kg)	Pack Carton
<b>Voltage: 220/240 V - 50/60 Hz - Stand alone</b>								
GW S4 064 GE	Diffused 100°	197 W	20830	520	4000 K (CRI 80)	Grey RAL 7037	13.4	1

**NOTE:** Ni-Cd accumulators. 3h autonomy with 24h recharge time.

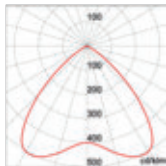
In emergency mode, only one LED unit works.

Version not tested in accordance with DIN 18032-3 for installation in covered sports facilities.

Minimum operating temperature +5°C.

Versions with 3000 K (-30K) or 5700 K (-57K) LED available upon request

#### Photometric distributions



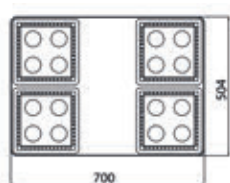
Diffused 100°



## VERSIONS WITH RADIO FREQUENCY MANAGEMENT



GW S4 064 GR



### WIRED VERSIONS - IP66 - CLASS I



Code	Optic	Colour temperature	System power	Nominal flux (lm)	Lumen output (lm)	Colour	Weight (kg)	Pack Carton
<b>Voltage: 220/240V - 50/60 Hz - Bluetooth</b>								
GW S4 061 GR	Spotlight 10°	4000 K (CRI 80)	203 W	23630	17010	Grey RAL 7037	13.4	1
GW S4 062 GR	Restricted 30°	4000 K (CRI 80)	203 W	23630	16480	Grey RAL 7037	13.4	1
GW S4 063 GR	Medium 60°	4000 K (CRI 80)	203 W	23630	21830	Grey RAL 7037	13.4	1
GW S4 064 GR	Diffused 100°	4000 K (CRI 80)	203 W	23630	20830	Grey RAL 7037	13.4	1
GW S4 065 GR	Elliptical	4000 K (CRI 80)	203 W	23630	21120	Grey RAL 7037	13.4	1
GW S4 066 GR	Asymmetrical	4000 K (CRI 80)	203 W	23630	20300	Grey RAL 7037	13.4	1

**ACCESSORIES SUPPLIED:** Watertight connector, four eye bolts and two fixed retaining wires for suspension.

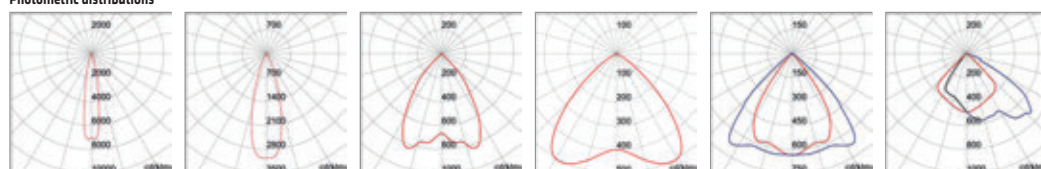
**NOTE:** Versions managed via application for Android or IOS systems, with Bluetooth version 4.0 or later connectivity. due to the continuous changes with the LED technologies, the technical data can undertake variations.

Nominal flux referred to Tj=85°C.

Versions with 3000K (-30K) or 5700K (-57K) LED available on demand.

Maximum working temperature: +35°C.

#### Photometric distributions



Spotlight 10°

Restricted 30°

Medium 60°

Diffused 100°

Elliptical

Asymmetrical

## COMPLEMENTARY ITEMS



GW L1 925

### COMPLEMENTS FOR INSTALLATION

Code	Description	Pieces needed to complete the article	Pack Carton
GW L1 901	Kit of adjustable suspension ropes with safety clamp	1	1
GW L1 925	Bracket 4X4L / 4X5L	1	1
GW L1 928	Kit for ceiling mounting fixing with spring 4x4L / 4x5L	1	1



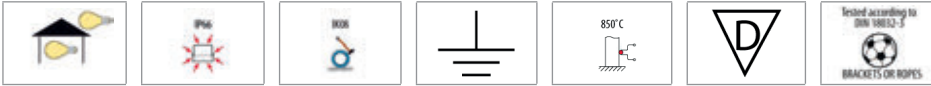
GW L1 907

### SPARE PART

Code	Description	Dimensions (mm)	Pack Carton
GW L1 907	Transparent glass 4L-5L	176 x 176	1

# Smart [4] 2.0 LB

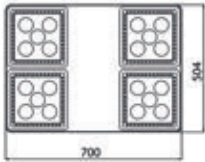
## SMART[4] 2.0 HB - 4X5L - EQUIVALENT TO 400W ME



### STANDARD VERSIONS



GW S4 074 GS



### WIRED VERSIONS - IP66 - CLASS I



Code	Optic	Colour temperature	System power	Nominal flux (lm)	Lumen output (lm)	Colour	Weight (kg)	Pack Carton
<b>Voltage: 220/240 V - 50/60 Hz - Stand alone</b>								
GW S4 071 GS	Spotlight 10°	4000 K (CRI 80)	236 W	28480	21270	Grey RAL 7037	15.9	1
GW S4 072 GS	Restricted 30°	4000 K (CRI 80)	236 W	28480	20600	Grey RAL 7037	15.9	1
GW S4 073 GS	Medium 60°	4000 K (CRI 80)	236 W	28480	27290	Grey RAL 7037	15.9	1
GW S4 074 GS	Diffused 100°	4000 K (CRI 80)	236 W	28480	26040	Grey RAL 7037	15.9	1
GW S4 075 GS	Elliptical	4000 K (CRI 80)	236 W	28480	26400	Grey RAL 7037	15.9	1
GW S4 076 GS	Asymmetrical	4000 K (CRI 80)	236 W	28480	25380	Grey RAL 7037	15.9	1
<b>Voltage: 220/240 V - 50/60 Hz - DALI</b>								
GW S4 071 GD	Spotlight 10°	4000 K (CRI 80)	245 W	28480	21270	Grey RAL 7037	15.9	1
GW S4 072 GD	Restricted 30°	4000 K (CRI 80)	245 W	28480	20600	Grey RAL 7037	15.9	1
GW S4 073 GD	Medium 60°	4000 K (CRI 80)	245 W	28480	27290	Grey RAL 7037	15.9	1
GW S4 074 GD	Diffused 100°	4000 K (CRI 80)	245 W	28480	26040	Grey RAL 7037	15.9	1
GW S4 075 GD	Elliptical	4000 K (CRI 80)	245 W	28480	26400	Grey RAL 7037	15.9	1
GW S4 076 GD	Asymmetrical	4000 K (CRI 80)	245 W	28480	25380	Grey RAL 7037	15.9	1

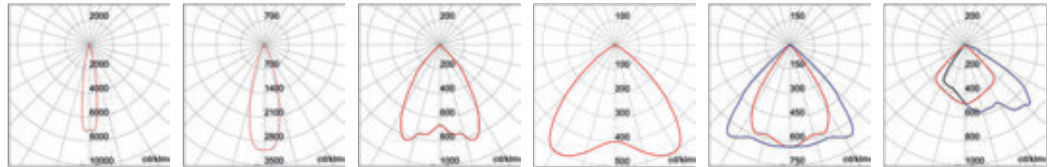
**ACCESSORIES SUPPLIED:** Watertight connector, four eye bolts and two fixed retaining wires for suspension.

**NOTE:** due to the continuous changes with the LED technologies, the technical data can undertake variations. Nominal flux referred to Tj=85°C.

Versions with 3000K (-30K) or 5700K (-57K) LED available on demand.

Maximum working temperature: +50°C.

#### Photometric distributions



Spotlight 10°

Restricted 30°

Medium 60°

Diffused 100°

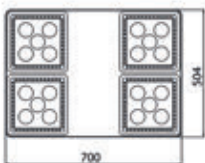
Elliptical

Asymmetrical

### VERSIONS WITH RADIO FREQUENCY MANAGEMENT



GW S4 074 GR



### WIRED VERSIONS - IP66 - CLASS I



Code	Optic	Colour temperature	System power	Nominal flux (lm)	Lumen output (lm)	Colour	Weight (kg)	Pack Carton
<b>Voltage: 220/240V - 50/60 Hz - Bluetooth</b>								
GW S4 071 GR	Spotlight 10°	4000 K (CRI 80)	245 W	28480	21270	Grey RAL 7037	15.9	1
GW S4 072 GR	Restricted 30°	4000 K (CRI 80)	245 W	28480	20600	Grey RAL 7037	15.9	1
GW S4 073 GR	Medium 60°	4000 K (CRI 80)	245 W	28480	27290	Grey RAL 7037	15.9	1
GW S4 074 GR	Diffused 100°	4000 K (CRI 80)	245 W	28480	26040	Grey RAL 7037	15.9	1
GW S4 075 GR	Elliptical	4000 K (CRI 80)	245 W	28480	26400	Grey RAL 7037	15.9	1
GW S4 076 GR	Asymmetrical	4000 K (CRI 80)	245 W	28480	25380	Grey RAL 7037	15.9	1

**ACCESSORIES SUPPLIED:** Watertight connector, four eye bolts and two fixed retaining wires for suspension.

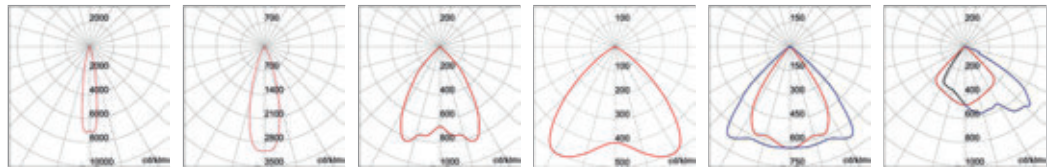
**NOTE:** Versions managed via application for Android or IOS systems, with Bluetooth version 4.0 or later connectivity. due to the continuous changes with the LED technologies, the technical data can undertake variations.

Nominal flux referred to Tj=85°C.

Versions with 3000K (-30K) or 5700K (-57K) LED available on demand.

Maximum working temperature: +35°C.

#### Photometric distributions



Spotlight 10°

Restricted 30°

Medium 60°

Diffused 100°

Elliptical

Asymmetrical

**COMPLEMENTARY ITEMS**


GW L1 925

**COMPLEMENTS FOR INSTALLATION**

Code	Description	Pieces needed to complete the article	Pack Carton
GW L1 901	Kit of adjustable suspension ropes with safety clamp	1	1
GW L1 925	Bracket 4X4L / 4X5L	1	1
GW L1 928	Kit for ceiling mounting fixing with spring 4x4L / 4x5L	1	1



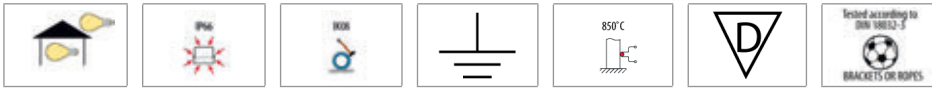
GW L1 907

**SPARE PART**

Code	Description	Dimensions (mm)	Pack Carton
GW L1 907	Transparent glass 4L-5L	176 x 176	1

# Smart [4] 2.0 LB

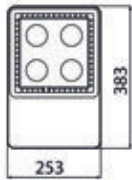
## SMART[4] 2.0 LB - 4L - EQUIVALENT TO 2X58 W FD



ATEX VERSIONS ZONE 2G - ZONE 22D



GW S4 023 GSA



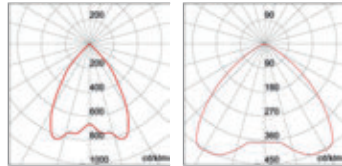
### WIRED VERSIONS - IP56 - CLASS I



Code	Optic	Colour temperature	System power	Nominal flux (lm)	Lumen output (lm)	Colour	Weight (kg)	Pack Carton
<b>Voltage: 220/240 V - 50/60 Hz - Stand alone</b>								
GW S4 023 GSA	Medium 60°	4000 K (CRI 80)	55 W	6520	5990	Grey RAL 7037	5.1	1
GW S4 024 GSA	Diffused 100°	4000 K (CRI 80)	55 W	6520	5720	Grey RAL 7037	5.1	1

ATEX Classification: Equipment-group II Category 3GD  
Working temperature: +5°C ; +25°C

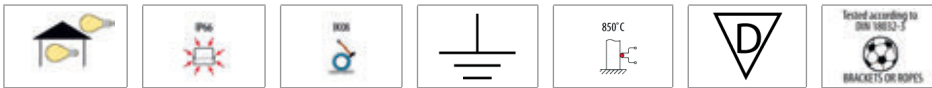
#### Photometric distributions



Medium 60°

Diffused 100°

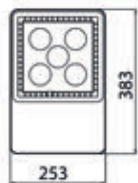
## SMART[4] 2.0 LB - 5L - EQUIVALENT TO 2X58 W FD



ATEX VERSIONS ZONE 2G - ZONE 22D



GW S4 033 GSA



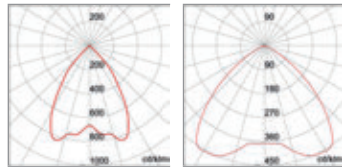
### WIRED VERSIONS - IP56 - CLASS I



Code	Optic	Colour temperature	System power	Nominal flux (lm)	Lumen output (lm)	Colour	Weight (kg)	Pack Carton
<b>Voltage: 220/240 V - 50/60 Hz - Stand alone</b>								
GW S4 033 GSA	Medium 60°	4000 K (CRI 80)	69 W	8150	7490	Grey RAL 7037	4.9	1
GW S4 034 GSA	Diffused 100°	4000 K (CRI 80)	69 W	8150	7150	Grey RAL 7037	4.9	1

ATEX Classification: Equipment-group II Category 3GD  
Working temperature: +5°C ; +25°C

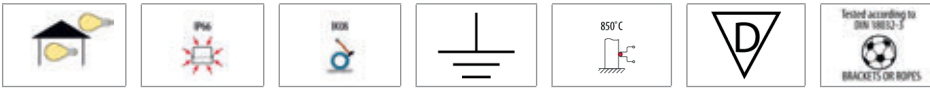
#### Photometric distributions



Medium 60°

Diffused 100°

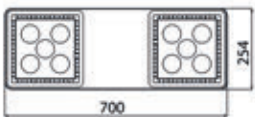
**SMART[4] 2.0 HB - 4+4L - EQUIVALENT TO 250W ME**



**ATEX VERSIONS ZONE 2G - ZONE 22D**



GW S4 043 GSA



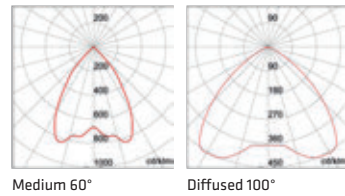
**WIRED VERSIONS - IP56 - CLASS I**



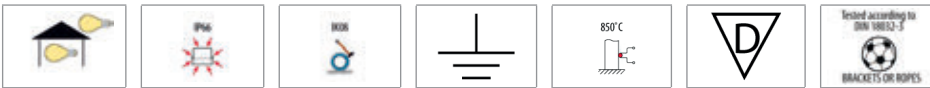
Code	Optic	Colour temperature	System power	Nominal flux (lm)	Lumen output (lm)	Colour	Weight (kg)	Pack Carton
<b>Voltage: 220/240 V - 50/60 Hz - Stand alone</b>								
GW S4 043 GSA	Medium 60°	4000 K (CRI 80)	110 W	13050	11990	Grey RAL 7037	7.4	1
GW S4 044 GSA	Diffused 100°	4000 K (CRI 80)	110 W	13050	11440	Grey RAL 7037	7.4	1

ATEX Classification: Equipment-group II Category 3GD  
Working temperature: +5°C; +25°C

**Photometric distributions**



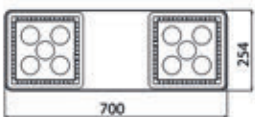
**SMART [4] 2.0 HB-5+5L-EQUIVALENT TO 250W ME**



**ATEX VERSIONS ZONE 2G - ZONE 22D**



GW S4 053 GSA



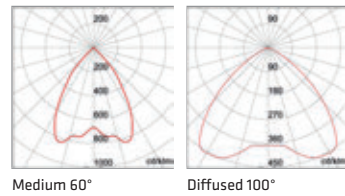
**WIRED VERSIONS - IP56 - CLASS I**



Code	Optic	Colour temperature	System power	Nominal flux (lm)	Lumen output (lm)	Colour	Weight (kg)	Pack Carton
<b>Voltage: 220/240 V - 50/60 Hz - Stand alone</b>								
GW S4 053 GSA	Medium 60°	4000 K (CRI 80)	138 W	16310	14990	Grey RAL 7037	8.5	1
GW S4 054 GSA	Diffused 100°	4000 K (CRI 80)	138 W	16310	14300	Grey RAL 7037	8.5	1

ATEX Classification: Equipment-group II Category 3GD  
Working temperature: +5°C; +25°C

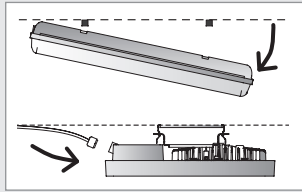
**Photometric distributions**



# Smart [4] 2.0 LB

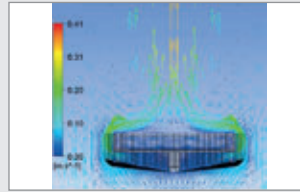


## EASY TO INSTALL



The entire range of Smart [4] 2.0 products was designed and developed to make it very easy to install and retrofit on existing devices in obsolete systems.

## THERMAL SIZING



Detailed preliminary studies, carried out with special software, and proven application experience, guarantee optimum operating conditions for which, thanks to the issuing of ENEC certification, the device has a maximum operating temperature of +50°C.


## RESPECT FOR THE ENVIRONMENT



National certification of a voluntary nature, issued by a third party (IMQ), affirming the truth and impartiality of the declarations regarding environmental, ecological or energy characteristics obtained thanks to the high percentage of recyclability of Smart [4] 2.0 (90.1%).

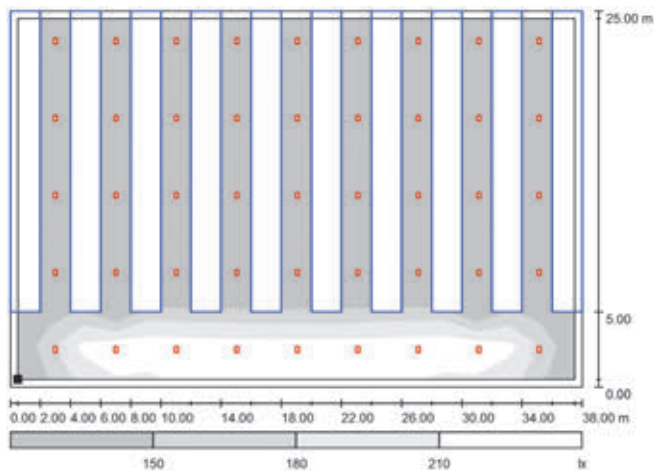
## Technical characteristics

<b>INSTALLATION</b>	Internal / External
<b>COLOUR</b>	Grey RAL 7037
<b>MATERIALS</b>	
<b>Body</b>	Technopolymer PA6.6 + GF
<b>Heat sink</b>	Die-cast aluminium EN AB 44300 - copper free
<b>Collimator</b>	PC
<b>Secondary lens</b>	PMMA (if envisaged)
<b>Shield</b>	Extra-clear flat glass 4 mm

<b>DEGREE OF PROTECTION</b>	IP66
<b>IMPACT RESISTANCE</b>	IK08
<b>INSULATION CLASS</b>	I
<b>LIFETIME</b>	L80B05 @+25°C = 120.000h
<b>MARKS</b>	CE 

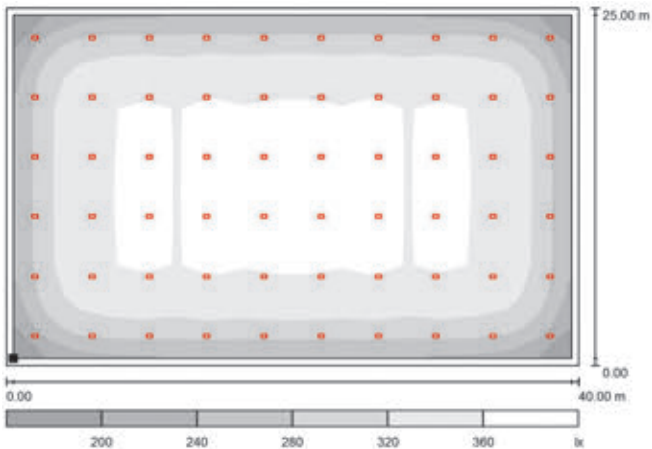
## Technical solutions

### Project: warehouse with shelving



<b>Reference standard</b>	EN 12464-1:2011
<b>Reference</b>	5.5.2
<b>Activity</b>	warehouse with shelving
<b>Eave on work plane (Em)</b>	150 lx
<b>Uniformity (Uo)</b>	0.4
<b>Room dimension</b>	38 x 25 x 13 m
<b>Product Code</b>	<b>SMART[4] LB 2.0 5L GWS4033GS</b>
<b>Quantity</b>	45
<b>Eave on work plane (Em)</b>	180 lx
<b>Uniformity (Uo)</b>	0.7
<b>Total power system</b>	2.6 kW

**Project: paper making and transformation**

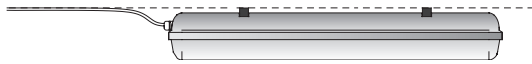


<b>Reference standard</b>	EN 12464-1:2011
<b>Reference</b>	5.19.2
<b>Activity</b>	Paper making and transformation
<b>Eave on work plane (Em)</b>	300 lx
<b>Uniformity (Uo)</b>	0.6
<b>Room dimension</b>	40 x 25 x 8 m
<b>Product Code</b>	<b>SMART[4] LB 2.0 5L GWS4033GS</b>
<b>Quantity</b>	60
<b>Eave on work plane (Em)</b>	330 lx
<b>Uniformity (Uo)</b>	0.6
<b>Total power system</b>	3.4 kW

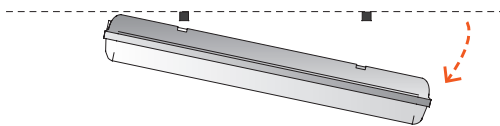
**Installation**

**Easy installation/replacement**

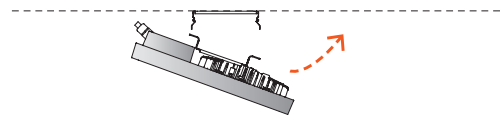
The point-point replacement is the easiest, most economic and reliable solution, minimising the cost of the first installation and making it comparable with a simple relamping



1. Device to be replaced



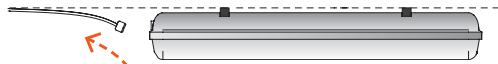
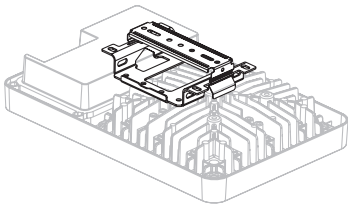
3. Mechanical disassembly of the device to be replaced



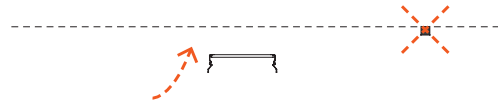
5. Mechanical connection of Smart [4] LB 2.0

**CEILING mounting**

Standard kit for Smart[4] LB 2.0 for ceiling mounting



2. Electrical disconnection of device to be replaced



4. Installation of the new Gewiss spring



6. Electrical connection of Smart [4] LB 2.0

N.B. only one of the existing coupling points will be used

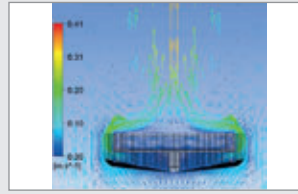
# Smart [4] 2.0 HB

## INNOVATIVE ANTI-CONDENSATION DEVICE



Smart [4] 2.0 is supplied with a specific device with a Gore-Tex® membrane, designed to prevent condensation and keep the electronic components inside in good condition.

## THERMAL SIZING



Detailed preliminary studies, carried out with special software, and proven application experience, guarantee optimum operating conditions for which, thanks to the issuing of ENEC certification, the device has a maximum operating temperature of +50°C.

## OPTIMUM COLOUR PERFORMANCE



Smart[4] 2.0 is equipped with high quality LED Power which offers a better consistency of the light in time.



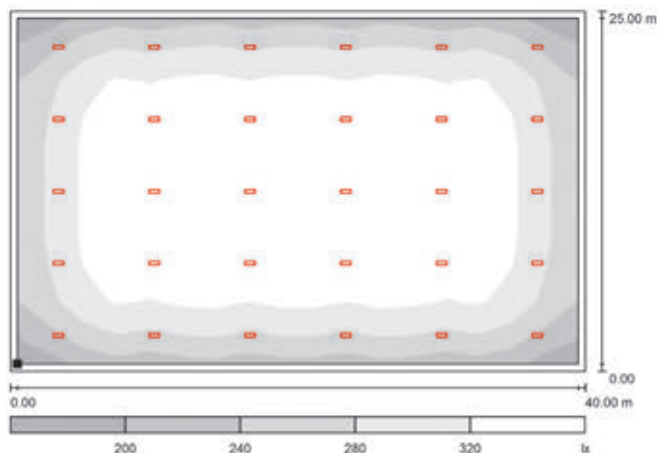
## Technical characteristics

<b>INSTALLATION</b>	Internal / External
<b>COLOUR</b>	Grey RAL 7037
<b>MATERIALS</b>	
<b>Body</b>	Technopolymer PA6.6 + GF
<b>Heat sink</b>	Die-cast aluminium EN AB 44300 - copper free
<b>Collimator</b>	PC
<b>Secondary lens</b>	PMMA (if envisaged)
<b>Shield</b>	Extra-clear flat glass 4 mm

<b>DEGREE OF PROTECTION</b>	IP66
<b>IMPACT RESISTANCE</b>	IK08
<b>INSULATION CLASS</b>	I
<b>LIFETIME</b>	L80B05 @+25°C = 120.000h
<b>MARKS</b>	CE

## Technical solutions

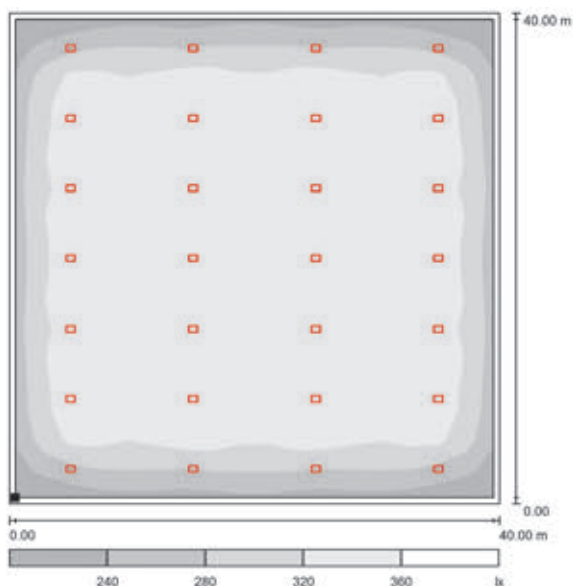
### Project: Foundry



<b>Reference standard</b>	EN 12464-1:2011
<b>Reference</b>	5.13.10
<b>Activity</b>	Foundry - Die-casting
<b>Eave on work plane (Em)</b>	300 lx
<b>Uniformity (Uo)</b>	0.6
<b>Room dimension</b>	40 x 25 x 7 m
<b>Product Code</b>	<b>SMART[4] HB 2.0 5+5L GWS4054GS</b>
<b>Quantity</b>	30
<b>Eave on work plane (Em)</b>	307 lx
<b>Uniformity (Uo)</b>	0.63
<b>Total power system</b>	3.4 kW



**Project: Electrical industry**



<b>Reference standard</b>	EN 12464-1:2011
<b>Reference</b>	5.13.10
<b>Activity</b>	Electricity industry Coil saturation
<b>Eave on work plane (Em)</b>	300 lx
<b>Uniformity (Uo)</b>	0.6
<b>Glare ratio UGR</b>	25
<b>Room dimension</b>	40 x 40 x 10 m
<b>Product Code</b>	<b>SMART[4] HB 2.0 4X4L GWS4063GS</b>
<b>Quantity</b>	30
<b>Eave on work plane (Em)</b>	320 lx
<b>Uniformity (Uo)</b>	0.66
<b>Total power system</b>	5.7 kW

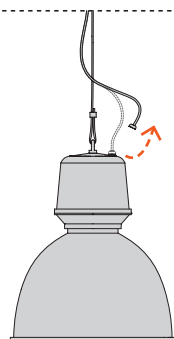
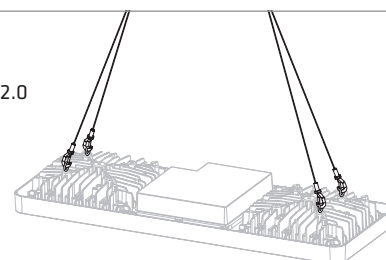
**Installation**

**Easy installation/replacement**

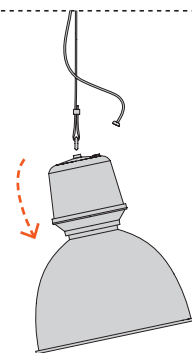
The point-point replacement is the easiest, most economic and reliable solution, minimising the cost of the first installation and making it comparable with a simple relamping

**SUSPENSION fixing**

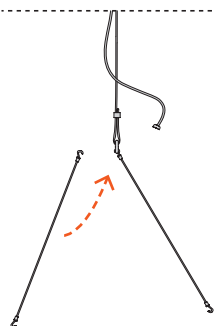
Standard kit for Smart[4] HB 2.0 for suspension fixing



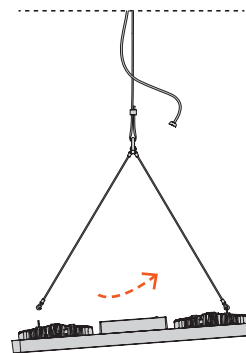
**1.** Electrical disconnection of device to be replaced



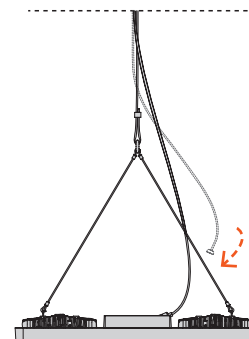
**2.** Mechanical disconnection of device to be replaced



**3.** Installation of Gewiss suspension cables



**4.** Mechanical connection of Smart [4] 2.0 HB



**5.** Electrical connection of Smart [4] 2.0 HB

N.B. the accessory is used to position the focuses exactly at the same height as those of the replaced product.

# Smart [4] 2.1 HLO



## Industrial devices

The Smart[4] range has been expanded with the new Smart[4] 2.1 HLO (High Lumen Output) versions, which are suitable for applications that require high lighting performance. New solutions with maximum light emission, maintaining the same design.



Technical characteristics page 233

## SMART[4] 2.1 HLO - 4L



### STANDARD VERSIONS



GW S4 222 GS

#### WIRED VERSIONS - IP66 - CLASS I



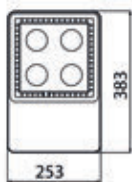
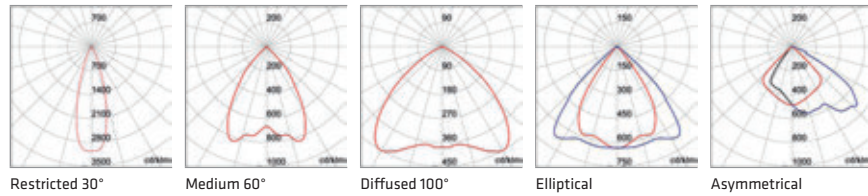
Code	Optic	Colour temperature	System power	Nominal flux (lm)	Lumen output (lm)	Colour	Weight (kg)	Pack Carton
<b>Voltage: 220/240 V - 50/60 Hz - Stand alone</b>								
GW S4 222 GS	Restricted 30°	4000 K (CRI 80)	58 W	6720	4750	Grey RAL 7037	5.1	1
GW S4 223 GS	Medium 60°	4000 K (CRI 80)	58 W	6720	6290	Grey RAL 7037	5.1	1
GW S4 224 GS	Diffused 100°	4000 K (CRI 80)	58 W	6720	6000	Grey RAL 7037	5.1	1
GW S4 225 GS	Elliptical	4000 K (CRI 80)	58 W	6720	6080	Grey RAL 7037	5.1	1
GW S4 226 GS	Asymmetrical	4000 K (CRI 80)	58 W	6720	6160	Grey RAL 7037	5.1	1

**SUPPLIED ACCESSORIES:** Watertight connector, steel plate with two fixing points for suspension and spring with safety system.

**NOTE:** due to the continuous changes with the LED technologies, the technical data can undertake variations. Nominal flux referred to Tj=85°C.

Versions with 3000K (-30K) or 5700K (-57K) LED available on demand. Maximum working temperature: +40°C.

#### Photometric distributions



**COMPLEMENTARY ITEMS**



GW L1 923

**COMPLEMENTS FOR INSTALLATION**

Code	Description	Pack Carton
GW L1 901	Kit of adjustable suspension ropes with safety clamp	1
GW L1 923	Bracket 4L / 5L	1
GW L1 926	Fixing plate to pipe 4L-5L	1

**NOTE:** GWL1926 fixing plate for 40\60 mm diameter pipes.



GW L1 907

**SPARE PART**

Code	Description	Pack Carton
GW L1 907	Transparent glass 4L-5L	1

# Smart [4] 2.1 HLO

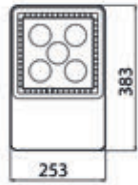
## SMART[4] 2.1 HLO - 5L



### STANDARD VERSIONS



GW S4 232 GS



### WIRED VERSIONS - IP66 - CLASS I

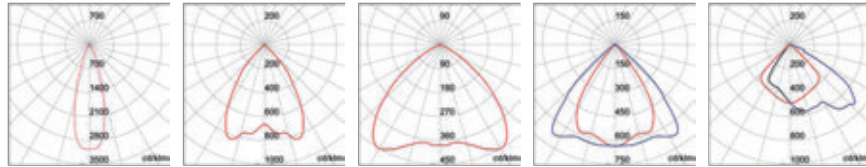


Code	Optic	Colour temperature	System power	Nominal flux (lm)	Lumen output (lm)	Colour	Weight (kg)	Pack Carton
<b>Voltage: 220/240 V - 50/60 Hz - Stand alone</b>								
GW S4 232 GS	Restricted 30°	4000 K (CRI 80)	71 W	8400	5930	Grey RAL 7037	4.9	1
GW S4 233 GS	Medium 60°	4000 K (CRI 80)	71 W	8400	7860	Grey RAL 7037	4.9	1
GW S4 234 GS	Diffused 100°	4000 K (CRI 80)	71 W	8400	7500	Grey RAL 7037	4.9	1
GW S4 235 GS	Elliptical	4000 K (CRI 80)	71 W	8400	7600	Grey RAL 7037	4.9	1
GW S4 236 GS	Asymmetrical	4000 K (CRI 80)	71 W	8400	7700	Grey RAL 7037	4.9	1

**SUPPLIED ACCESSORIES:** Watertight connector, steel plate with two fixing points for suspension and spring with safety system.

**NOTE:** due to the continuous changes with the LED technologies, the technical data can undertake variations. Nominal flux referred to Tj=85°C. Versions with 3000K (-30K) or 5700K (-57K) LED available on demand. Maximum working temperature: +40°C.

#### Photometric distributions



Restricted 30°

Medium 60°

Diffused 100°

Elliptical

Asymmetrical

### COMPLEMENTARY ITEMS



GW L1 923

#### COMPLEMENTS FOR INSTALLATION

Code	Description	Pack Carton
GW L1 901	Kit of adjustable suspension ropes with safety clamp	1
GW L1 923	Bracket 4L / 5L	1
GW L1 926	Fixing plate to pipe 4L-5L	1

**NOTE:** GWL1926 fixing plate for 40\60 mm diameter pipes.

#### SPARE PART

Code	Description	Pack Carton
GW L1 907	Transparent glass 4L-5L	1



GW L1 907

## SMART[4] 2.1 HLO - 4+4L



### STANDARD VERSIONS



GW S4 242 GS

### WIRED VERSIONS - IP66 - CLASS I

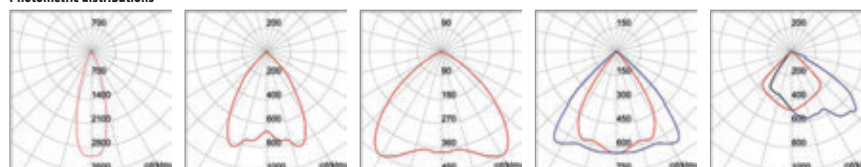


Code	Optic	Colour temperature	System power	Nominal flux (lm)	Lumen output (lm)	Colour	Weight (kg)	Pack Carton
<b>Voltage: 220/240 V - 50/60 Hz - Stand alone</b>								
GW S4 242 GS	Restricted 30°	4000 K (CRI 80)	116 W	13440	9490	Grey RAL 7037	7.4	1
GW S4 243 GS	Medium 60°	4000 K (CRI 80)	116 W	13440	12580	Grey RAL 7037	7.4	1
GW S4 244 GS	Diffused 100°	4000 K (CRI 80)	116 W	13440	12000	Grey RAL 7037	7.4	1
GW S4 245 GS	Elliptical	4000 K (CRI 80)	116 W	13440	12160	Grey RAL 7037	7.4	1
GW S4 246 GS	Asymmetrical	4000 K (CRI 80)	116 W	13440	12310	Grey RAL 7037	7.4	1

**SUPPLIED ACCESSORIES:** Watertight connector, four fixing points for suspension and two fixed retaining wires.

**NOTE:** due to the continuous changes with the LED technologies, the technical data can undertake variations. Nominal flux referred to Tj=85°C. Versions with 3000K (-30K) or 5700K (-57K) LED available on demand. Maximum working temperature: +40°C.

#### Photometric distributions



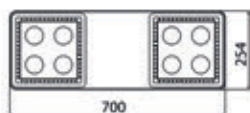
Restricted 30°

Medium 60°

Diffused 100°

Elliptical

Asymmetrical



### COMPLEMENTARY ITEMS



GW L1 924

#### COMPLEMENTS FOR INSTALLATION

Code	Description	Pack Carton
GW L1 901	Kit of adjustable suspension ropes with safety clamp	1
GW L1 924	Bracket 4+4L / 5+5L	1
GW L1 930	Fixing plate kit to pipe 4L-5L	1
GW L1 927	Wall/ceiling-mounting fixing kit 4+4L-5+5L	1

**NOTE:** GWL1930 fixing plates kit for 40\60 mm diameter pipes.

#### SPARE PART

Code	Description	Pack Carton
GW L1 907	Transparent glass 4L-5L	1



GW L1 907

# Smart [4] 2.1 HLO

## SMART[4] 2.1 HLO - 5+5L



### STANDARD VERSIONS



GW S4 252 GS

### WIRED VERSIONS - IP66 - CLASS I



CONSTANT  
CURRENT  
DRIVER

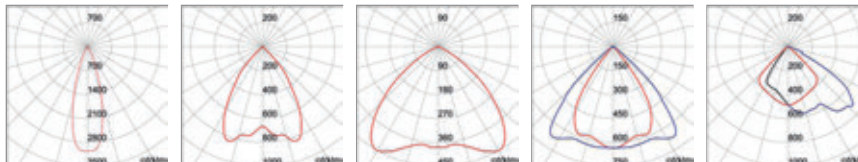


Code	Optic	Colour temperature	System power	Nominal flux (lm)	Lumen output (lm)	Colour	Weight (kg)	Pack Carton
<b>Voltage: 220/240 V - 50/60 Hz - Stand alone</b>								
GW S4 252 GS	Restricted 30°	4000 K (CRI 80)	142 W	16800	11870	Grey RAL 7037	8.5	1
GW S4 253 GS	Medium 60°	4000 K (CRI 80)	142 W	16800	15720	Grey RAL 7037	8.5	1
GW S4 254 GS	Diffused 100°	4000 K (CRI 80)	142 W	16800	15000	Grey RAL 7037	8.5	1
GW S4 255 GS	Elliptical	4000 K (CRI 80)	142 W	16800	15210	Grey RAL 7037	8.5	1
GW S4 256 GS	Asymmetrical	4000 K (CRI 80)	142 W	16800	15390	Grey RAL 7037	8.5	1

**SUPPLIED ACCESSORIES:** Watertight connector, four fixing points for suspension and two fixed retaining wires.

**NOTE:** due to the continuous changes with the LED technologies, the technical data can undertake variations. Nominal flux referred to Tj=85°C. Versions with 3000K (-30K) or 5700K (-57K) LED available on demand. Maximum working temperature: +40°C.

#### Photometric distributions



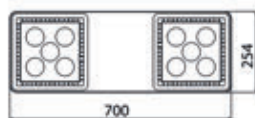
Restricted 30°

Medium 60°

Diffused 100°

Elliptical

Asymmetrical



### COMPLEMENTARY ITEMS



GW L1 924

#### COMPLEMENTS FOR INSTALLATION

Code	Description	Pack Carton
GW L1 901	Kit of adjustable suspension ropes with safety clamp	1
GW L1 924	Bracket 4+4L / 5+5L	1
GW L1 930	Fixing plate kit to pipe 4L-5L	1
GW L1 927	Wall/ceiling-mounting fixing kit 4+4L-5+5L	1

**NOTE:** GWL1930 fixing plates kit for 40\60 mm diameter pipes.

#### SPARE PART

Code	Description	Pack Carton
GW L1 907	Transparent glass 4L-5L	1



GW L1 907

**SMART[4] 2.1 HLO - 4X4L**



**STANDARD VERSIONS**



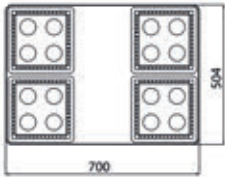
GW S4 262 GS

**WIRED VERSIONS - IP66 - CLASS I**

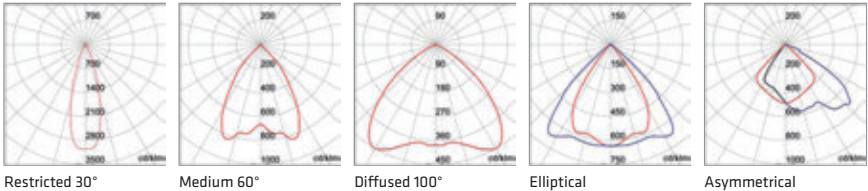


Code	Optic	Colour temperature	System power	Nominal flux (lm)	Lumen output (lm)	Colour	Weight (kg)	Pack Carton
<b>Voltage: 220/240 V - 50/60 Hz - Stand alone</b>								
GW S4 262 GS	Restricted 30°	4000 K (CRI 80)	232 W	26880	18990	Grey RAL 7037	13.4	1
GW S4 263 GS	Medium 60°	4000 K (CRI 80)	232 W	26880	25150	Grey RAL 7037	13.4	1
GW S4 264 GS	Diffused 100°	4000 K (CRI 80)	232 W	26880	24000	Grey RAL 7037	13.4	1
GW S4 265 GS	Elliptical	4000 K (CRI 80)	232 W	26880	24330	Grey RAL 7037	13.4	1
GW S4 266 GS	Asymmetrical	4000 K (CRI 80)	232 W	26880	24620	Grey RAL 7037	13.4	1

**SUPPLIED ACCESSORIES:** Watertight connector, four fixing points for suspension and two fixed retaining wires.  
**NOTE:** due to the continuous changes with the LED technologies, the technical data can undertake variations. Nominal flux referred to Tj=85°C. Versions with 3000K (-30K) or 5700K (-57K) LED available on demand. Maximum working temperature: +40°C.



**Photometric distributions**



**COMPLEMENTARY ITEMS**



GW L1 925

**COMPLEMENTS FOR INSTALLATION**

Code	Description	Pack Carton
GW L1 901	Kit of adjustable suspension ropes with safety clamp	1
GW L1 925	Bracket 4X4L / 4X5L	1
GW L1 928	Kit for ceiling mounting fixing with spring 4x4L / 4x5L	1



GW L1 907

**SPARE PART**

Code	Description	Pack Carton
GW L1 907	Transparent glass 4L-5L	1

# Smart [4] 2.1 HLO

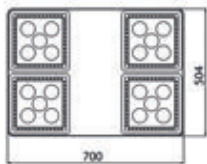
## SMART[4] 2.1 HLO - 4X5L



### STANDARD VERSIONS



GW S4 272 GS



### WIRED VERSIONS - IP66 - CLASS I



CONSTANT  
CURRENT  
DRIVER

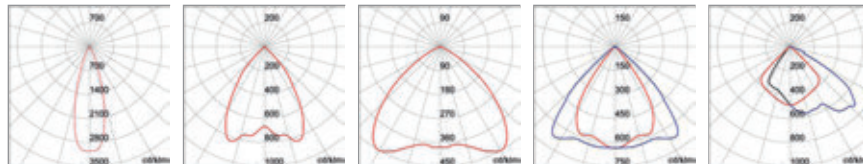


Code	Optic	Colour temperature	System power	Nominal flux (lm)	Lumen output (lm)	Colour	Weight (kg)	Pack Carton
<b>Voltage: 220/240 V - 50/60 Hz - Stand alone</b>								
GW S4 272 GS	Restricted 30°	4000 K (CRI 80)	284 W	33600	23730	Grey RAL 7037	15.9	1
GW S4 273 GS	Medium 60°	4000 K (CRI 80)	284 W	33600	31440	Grey RAL 7037	15.9	1
GW S4 274 GS	Diffused 100°	4000 K (CRI 80)	284 W	33600	30000	Grey RAL 7037	15.9	1
GW S4 275 GS	Elliptical	4000 K (CRI 80)	284 W	33600	30410	Grey RAL 7037	15.9	1
GW S4 276 GS	Asymmetrical	4000 K (CRI 80)	284 W	33600	30780	Grey RAL 7037	15.9	1

**SUPPLIED ACCESSORIES:** Watertight connector, four fixing points for suspension and two fixed retaining wires.

**NOTE:** due to the continuous changes with the LED technologies, the technical data can undertake variations. Nominal flux referred to Tj=85°C. Versions with 3000K (-30K) or 5700K (-57K) LED available on demand. Maximum working temperature: +40°C.

#### Photometric distributions



Restricted 30°

Medium 60°

Diffused 100°

Elliptical

Asymmetrical

### COMPLEMENTARY ITEMS



GW L1 925

#### COMPLEMENTS FOR INSTALLATION

Code	Description	Pack Carton
GW L1 901	Kit of adjustable suspension ropes with safety clamp	1
GW L1 925	Bracket 4X4L / 4X5L	1
GW L1 928	Kit for ceiling mounting fixing with spring 4x4L / 4x5L	1

#### SPARE PART

Code	Description	Pack Carton
GW L1 907	Transparent glass 4L-5L	1



GW L1 907



# Smart[4] 2.1 HLO

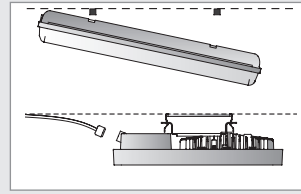


## ANTI-CONDENSATION DEVICE



Smart [4]2.1 HLO is supplied with a specific device with a Gore-Tex® membrane, designed to prevent condensation and keep the electronic components inside in good condition.

## EASY TO INSTALL



The Smart[4] 2.1 HLO range was designed and developed to guarantee easy installation and permit the individual replacement of existing devices in obsolete systems.

## LIFETIME

**L80B05 @+25°C =90.000h**

Smart[4] 2.1 HLO guarantees an operating lifetime of at least 90,000h (L80B05 @+25°C) in standard conditions of use.

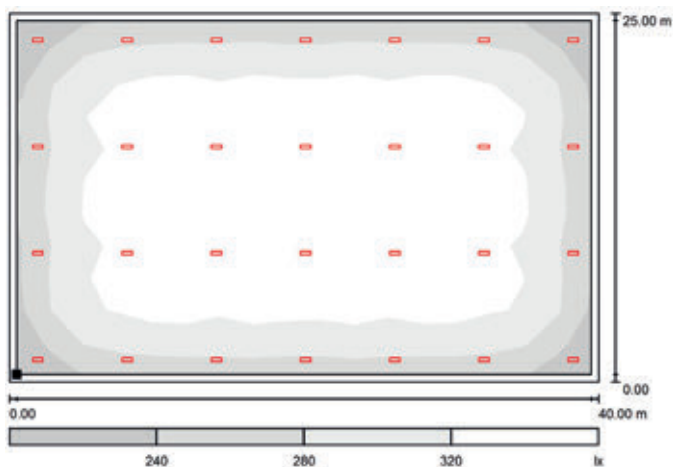
## Technical characteristics

<b>INSTALLATION</b>	Indoors / outdoors
<b>COLOUR</b>	Grey RAL 7037
<b>MATERIALS</b>	
<b>Body</b>	Technopolymer PA6.6 + FV
<b>Heat sink</b>	EN AB 44300 "copper free" die-cast aluminium
<b>Collimator / high bay</b>	PC
<b>Secondary lens</b>	PMMA (if applicable)
<b>Shield</b>	4mm extra clear flat glass

<b>DEGREE OF PROTECTION</b>	IP66
<b>IMPACT RESISTANCE</b>	IK08
<b>INSULATION CLASS</b>	I
<b>LIFETIME</b>	L80B05 @+25°C =90,000h
<b>MARKINGS</b>	CE

## Installation solutions

### Project: Cable and wire manufacturing

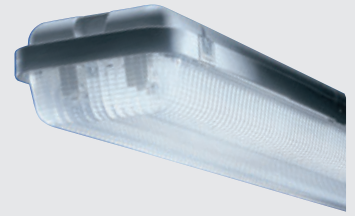


<b>Standard</b>	EN 12464-1:2011
<b>Reference</b>	5.11.1
<b>Task or job carried out</b>	Cable and wire manufacturing
<b>Average lighting on the work surface (Em)</b>	300 lx
<b>Uniformity (Uo)</b>	0.6
<b>Room dimensions</b>	40x25x12
<b>Product code</b>	Smart [4] 2.1 HLO GWS4253GS
<b>Quantity</b>	28
<b>Average lighting at the work surface (Em)</b>	309
<b>Uniformity (Uo)</b>	0.6
<b>Installed electric power</b>	3.9 KW

# Znt

## Watertight professional polycarbonate ceiling mounting luminaires

This professional watertight luminaire has a polycarbonate body and shield to ensure optimum shock resistance compared with normal tempered glass. Suitable for use in the industrial and commercial sectors, the ZNT range is also available in versions that meet the requisites of the Atex directive.



Technical characteristics page 239

### ZNT



#### DIFFUSED REFLECTOR



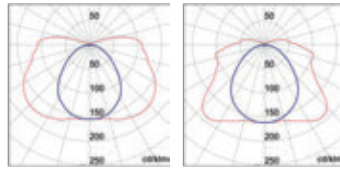
GW 80 142

#### WIRED VERSIONS - IP65 - CLASS I - ELECTRONIC POWER SUPPLY



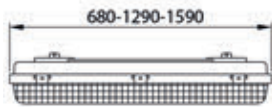
Code	No. of lamps	Lamp power	Lamp	Lamp holder	Dimensions AxBxC (mm)	Weight (kg)	Pack Carton
<b>Voltage: 220/240 V - 50/60 Hz</b>							
GW 80 141	1	18 W	FD	G13	680x112x135	1.6	1/28
GW 80 142	1	36 W	FD	G13	1290x112x135	2.9	1/28
GW 80 143	1	58 W	FD	G13	1590x112x135	3.4	1/28
GW 80 144	2	18 W	FD	G13	680x112x195	2.2	1/20
GW 80 145	2	36 W	FD	G13	1290x112x195	3.7	1/20
GW 80 146	2	58 W	FD	G13	1590x112x195	4.4	1/20

#### Photometric distributions



1 lamp

2 lamps



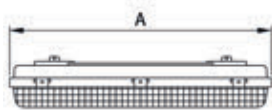
#### UNWIRED VERSIONS



Code	No. of lamps	Lamp power	Lamp holder	Dimensions AxBxC (mm)	Weight (kg)	Pack Carton
GW 80 101	1	18 W	G13	680x112x135	1.3	1/28
GW 80 102	1	36 W	G13	1290x112x135	2.6	1/28
GW 80 103	1	58 W	G13	1590x112x135	3.1	1/28
GW 80 104	2	18 W	G13	680x112x195	1.9	1/20
GW 80 105	2	36 W	G13	1290x112x195	3.4	1/20
GW 80 106	2	58 W	G13	1590x112x195	4.1	1/20

ACCESSORIES SUPPLIED: body, diffuser and accessory holding plate.

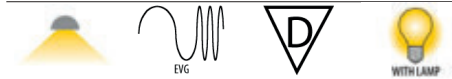
Electrical components: terminal block, G13 lamp holders for KCG or EVG version. The devices are supplied with standards service items.





GW 80 193 F

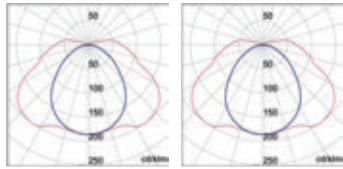
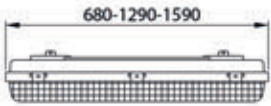
**WIRED VERSIONS COMPLETE WITH LAMP - IP65 - CLASS I - ELECTRONIC POWER SUPPLY**



Code	No. of lamps	Lamp power	Lamp supplied	Lamp holder	Dimensions AxBxC (mm)	Weight (kg)	Pack Carton
<b>Voltage: 220/240 V - 50/60 Hz</b>							
GW 80 191 F	1	55 W	FSD	2G11	680x112x135	1.8	1/28
GW 80 192 F	2	55 W	FSD	2G11	680x112x195	2.3	1/20
GW 80 193 F	2	55 W	FSD	2G11	1290x112x135	3	1/28
GW 80 194 F	2	80 W	FSD	2G11	1290x112x135	3.3	1/28
GW 80 195 F	4	55 W	FSD	2G11	1290x112x195	3.3	1/20

NOTES: lamp including colour tone 4000 K.

**Photometric distributions**



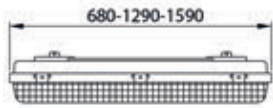
55 W FSD

80 W FSD

## EMERGENCY VERSIONS



GW 80 364



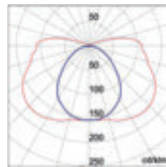
### WIRED VERSIONS - NON-PERMANENT - IP65 - CLASS I



Code	No. of lamps	Lamp power	Lamp holder	Autonomy	Luminous flux in emerg. [lm]	Weight (kg)	Pack Carton
<b>Voltage: 230 / 240 V - 50 / 60 Hz</b>							
GW 80 361	1	18 W	FD	G13	1 h	130	2
GW 80 362	1	18 W	FD	G13	3 h	190	2.4
GW 80 364	1	36 W	FD	G13	3 h	300	3.5
GW 80 366	1	58 W	FD	G13	3 h	380	4

ACCESSORIES SUPPLIED: Ni-Cd accumulators.

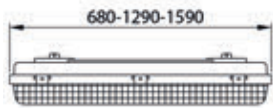
#### Photometric distributions



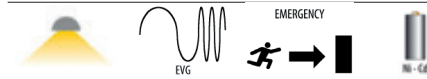
1 lamp



GW 81 062



### WIRED VERSIONS - PERMANENT - IP65 - CLASS I - ELECTRONIC POWER SUPPLY

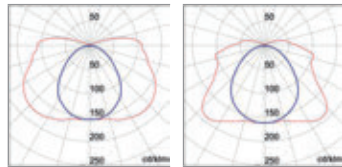


Code	No. of lamps	Lamp power	Lamp holder	Autonomy	Luminous flux in emerg. [lm]	Weight (kg)	Pack Carton
<b>Voltage: 220/240 V - 50/60 Hz</b>							
GW 81 062	1	36 W	FD	G13	1 h	270	3.7
GW 81 063	1	58 W	FD	G13	1 h	300	4.9
GW 81 064	2	18 W	FD	G13	1 h	150	3.2
GW 81 065	2	36 W	FD	G13	1 h	240	5.2
GW 81 066	2	58 W	FD	G13	1 h	260	6.7
GW 81 074	2	18 W	FD	G13	3 h	160	3.3
GW 81 075	2	36 W	FD	G13	3 h	260	5.3
GW 81 076	2	58 W	FD	G13	3 h	330	6.8

CHARACTERISTICS: in emergency mode, only one lamp works.

ACCESSORIES SUPPLIED: Ni-Cd accumulators.

#### Photometric distributions

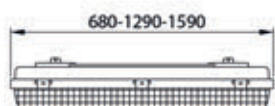


1 lamp

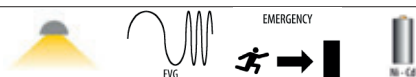
2 lamps



GW 80 198



**WIRED VERSIONS - PERMANENT - IP65 - CLASS I - ELECTRONIC POWER SUPPLY**



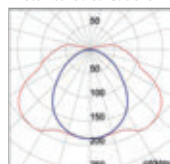
Code	No. of lamps	Lamp power	Lamp	Lamp holder	Autonomy	Luminous flux in emerg. [lm]	Weight (kg)	Pack Carton
<b>Voltage: 230 / 240 V - 50 / 60 Hz</b>								
GW 80 198	2	55 W	FSD	2G11	1 h	250	3.7	1/28

**CHARACTERISTICS:** in emergency mode, only one lamp works.

Dimensions: 1290 x 112 x 135mm.

**ACCESSORIES SUPPLIED:** Ni-Cd accumulators.

**Photometric distributions**



55 W FSD

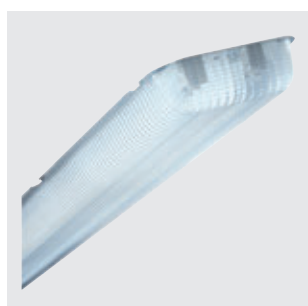
**COMPLEMENTARY ITEMS**



**RESTRICTED BEAM REFLECTORS**

Code	No. of lamps	Lamp power	For luminaries AxBxC (mm)	Weight (kg)	Pack Carton
GW 80 542	1	36 W	1290x112x135	0.3	30
GW 80 545	2	36 W	1290x112x195	0.3	30
GW 80 543	1	58 W	1590x112x135	0.3	30
GW 80 546	2	58 W	1590x112x195	0.4	30
GW 80 547	2	55-80 W	1290x112x135	0.3	30
GW 80 548	4	55 W	1290x112x195	0.3	30

**CHARACTERISTICS:** material: aluminium 99.85 polished and oxidised. Directly fixed on the diffuser without using any tools.



GW 80 134

**SPARE PARTS**

Code	Description	Pack Carton
GW 80 131	Diffuser 1x18W	1/28
GW 80 132	Diffuser 1x36W	1/28
GW 80 133	Diffuser 1x58W	1/28
GW 80 134	Diffuser 2x18W	1/20
GW 80 135	Diffuser 2x36W	1/20
GW 80 136	Diffuser 2x58W	1/20

**NOTE:** stainless steel clips for fixing to the shell are included

## ATEX VERSION

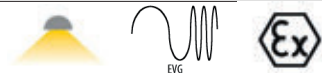


### ATEX VERSION ZONE 2(G) - ZONE 22D



GW 81 085

#### WIRED VERSIONS - IP65 - CLASS I - ELECTRONIC POWER SUPPLY



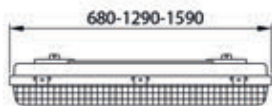
Code	No. of lamps	Lamp power	Lamp	Lamp holder	Dimensions AxBxC (mm)	Weight (kg)	Pack Carton
<b>Voltage: 220/240 V - 50/60 Hz</b>							
GW 81 081	1	18 W	FD	G13	680x112x135	1.8	1/28
GW 81 082	1	36 W	FD	G13	1290x112x135	3.1	1/28
GW 81 083	1	58 W	FD	G13	1590x112x135	3.6	1/28
GW 81 084	2	18 W	FD	G13	680x112x195	2.4	1/20
GW 81 085	2	36 W	FD	G13	1290x112x195	3.9	1/20
GW 81 086	2	58 W	FD	G13	1590x112x195	4.6	1/20

ATEX classification: Group II Category 3 GD.

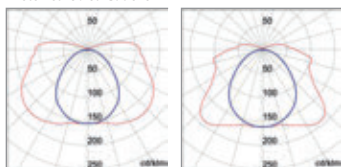
Gas protection mode: NO.

Dust protection mode: tc.

Ambient temperature:  $-20^{\circ}\text{C} \leq T_a \leq +40^{\circ}\text{C}$ .



#### Photometric distributions



1 lamp

2 lamps

# ZNT



## LAMP INCLUDED



The ZNT luminaires house the 55 and 80W fluorescent sources that guarantee excellent light efficiency (comparable with 250W metal halides lamps). Versions complete with lamp (1, 2 and 4 x 55W) are now available.

## VERSATILITY OF USE



The wide range of assembly accessories supplied has been further extended with the addition of direct fixing clips for surface and ceiling installations. These accessories facilitate direct installations; in which compliance with the IP degree of protection is always ensured.


## HIGH RESISTANCE



The luminaires of the ZNT range are the most robust on the market. The materials used, and the particular thickness of the body and diffuser, guarantee a double level of impact resistance compared to that of normal tempered glass.

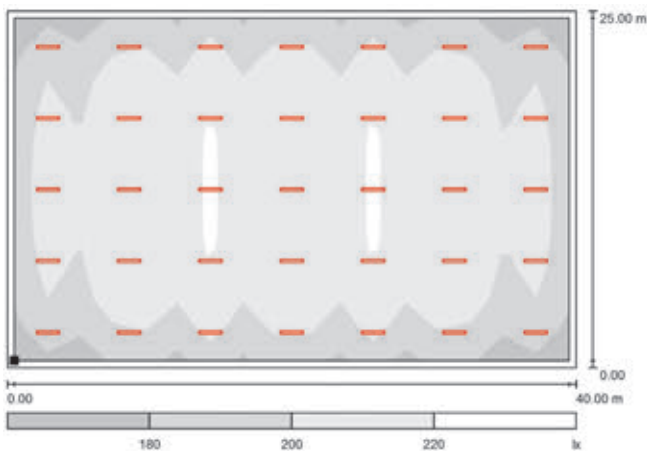
## Technical characteristics

<b>INSTALLATION</b>	Internal / External
<b>COLOUR</b>	Grey RAL 7037
<b>MATERIALS</b>	
<b>Body</b>	PC
<b>Reflector</b>	Sheet steel pre-painted white
<b>Shield</b>	PC stabilised for UV rays

<b>DEGREE OF PROTECTION</b>	IP65
<b>IMPACT RESISTANCE</b>	IK09
<b>INSULATION CLASS</b>	I - II (depending on the version)
<b>MARKS</b>	CE  RINA

## Technical solutions

### Project: Inventories



<b>Reference standard</b>	EN 12464-1:2011
<b>Reference</b>	5.5.4
<b>Activity</b>	Warehouses with shelving Area in front of warehouse shelves
<b>Eave on work plane (Em)</b>	200 lx
<b>Uniformity (Uo)</b>	0.4
<b>Room dimension</b>	40 x 25 x 4 m
<b>Product Code</b>	<b>GW80006</b>
<b>Quantity</b>	35
<b>Eave on work plane (Em)</b>	205
<b>Uniformity (Uo)</b>	0.76
<b>Total power system</b>	4.6 kW

# Click 21

## Watertight luminaires in polycarbonate

Professional watertight luminaire in polycarbonate with transparent shield. Two-lamp versions can be fitted in a single-lamp body, offering excellent performance and a compact design. Suitable for use in the industrial or commercial sector.



Technical characteristics page 242

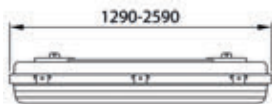
### CLICK 21



#### DIFFUSER REFLECTOR



GW 80 782

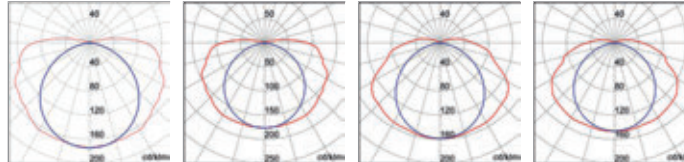


#### WIRED VERSIONS - IP65 - CLASS I - ELECTRONIC POWER SUPPLY



Code	No. of lamps	Lamp power	Lamp	Lamp holder	Dimensions AxBxC (mm)	Weight (kg)	Pack Carton
<b>Voltage: 220/240 V - 50/60 Hz</b>							
GW 80 782	1	36 W	FD	G13	1290x112x135	2.6	1/112
GW 80 783	1	58 W	FD	G13	1590x112x135	3.1	1/112
GW 80 785	2	36 W	FD	G13	1290x112x135	2.7	1/112
GW 80 786	2	58 W	FD	G13	1590x112x135	3.2	1/112

#### Photometric distributions



1x36 W FD

1x58 W FD

2x36 W FD

2x58 W FD

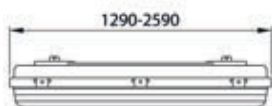
#### UNWIRED VERSIONS



Code	No. of lamps	Lamp power	Lamp holder	Dimensions AxBxC (mm)	Weight (kg)	Pack Carton
<b>Voltage: 220/240 V - 50/60 Hz</b>						
GW 80 882	1	36 W	G13	1290x112x135	2.3	1/112
GW 80 883	1	58 W	G13	1590x112x135	2.8	1/112
GW 80 885	2	36 W	G13	1290x112x135	2.4	1/112
GW 80 886	2	58 W	G13	1590x112x135	2.9	1/112

**ACCESSORIES SUPPLIED:** structural components: body, diffuser and accessory-holding plate; electrical components: terminal block, G13 lamp holders for EVG version. The devices are supplied with standards service items.

GW 80 885

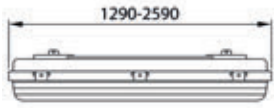




**EMERGENCY VERSIONS**



GW 80 982



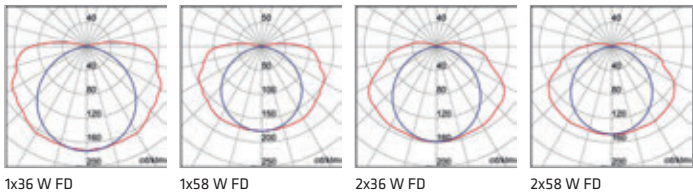
**WIRED VERSIONS - PERMANENT - IP65 - CLASS I - ELECTRONIC POWER SUPPLY**



Code	No. of lamps	Lamp power	Lamp	Lamp holder	Autonomy	Luminous flux in emerg. (lm)	Weight (kg)	Pack Carton
<b>Voltage: 220/240 V - 50/60 Hz</b>								
GW 80 992	1	36 W	FD	G13	1 h	260	3.3	1/28
GW 80 982	1	36 W	FD	G13	3 h	280	3.6	1/56
GW 80 993	1	58 W	FD	G13	1 h	290	3.8	1/28
GW 80 983	1	58 W	FD	G13	3 h	370	4.1	1/56
GW 80 995	2	36 W	FD	G13	1 h	220	3.4	1/28
GW 80 985	2	36 W	FD	G13	3 h	240	3.7	1/28
GW 80 996	2	58 W	FD	G13	1 h	220	3.9	1/28
GW 80 986	2	58 W	FD	G13	3 h	280	4.2	1/28

NOTE: in emergency mode, only one lamp works.

**Photometric distributions**



# Click 21

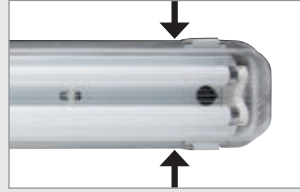


## VERSIONS FOR T8 AND T5 LAMPS



The CLICK 21 luminaires is designed for the conventional fluorescent T8 tubes.

## REDUCED OVERALL DIMENSIONS



The CLICK 21 industrial luminaires house the twin lamp versions in the body of the single lamp, still managing to provide high performance levels even with reduced overall dimensions.



## IMMEDIATE ACCESS



To ensure immediate access the ceiling, the units are equipped with reinforced plastic clips releasable without the use of tools.

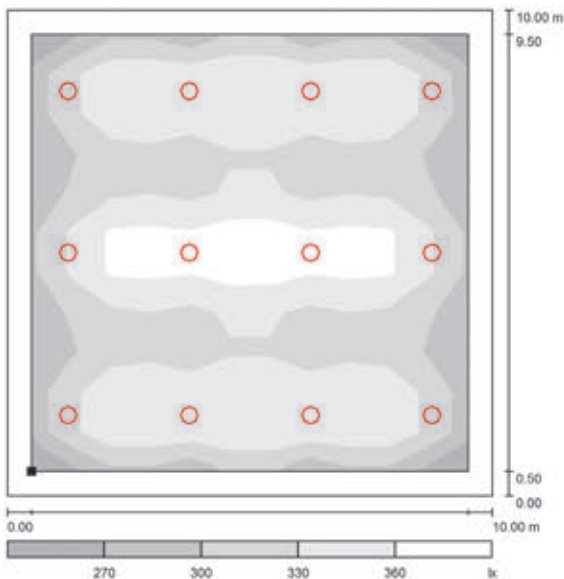
## Technical characteristics

<b>INSTALLATION</b>	Internal / External
<b>COLOUR</b>	Grey RAL 7037
<b>MATERIALS</b>	
<b>Body</b>	PC
<b>Reflector</b>	Sheet steel pre-painted white
<b>Shield</b>	PC stabilised for UV rays

<b>DEGREE OF PROTECTION</b>	IP65
<b>IMPACT RESISTANCE</b>	IK09
<b>INSULATION CLASS</b>	I
<b>MARKS</b>	CE  

## Technical solutions

### Project: Chemical industry



<b>Reference standard</b>	EN 12464-1:2011
<b>Reference</b>	5.10.2
<b>Activity</b>	Chemical industry Processing plant with limited manual intervention
<b>Eave on work plane (Em)</b>	150 lx
<b>Uniformity (Uo)</b>	0.4
<b>Room dimension</b>	40 x 25 x 2.5 m
<b>Product Code</b>	<b>GW80783</b>
<b>Quantity</b>	45
<b>Eave on work plane (Em)</b>	152
<b>Uniformity (Uo)</b>	0.63
<b>Total power system</b>	2.2 kW

# Halle

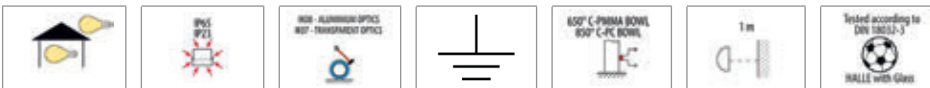
## Watertight High Bays

The suspended watertight high bay in die-cast aluminium is designed to light large indoor areas in the commercial and industrial sectors. Also available in versions that meet the requisites of the Atex directive.



Technical characteristics page 262

### HALLE - SMOOTH OPTICS



#### OPEN OPTIC



GW 83 003 M

#### WIRED VERSIONS WITH P.F. CORRECTION COMPLETE WITH LAMP IP23 OPTICS COMPARTMENT IP65 ACCESSORIES COMPARTMENT - CLASS I

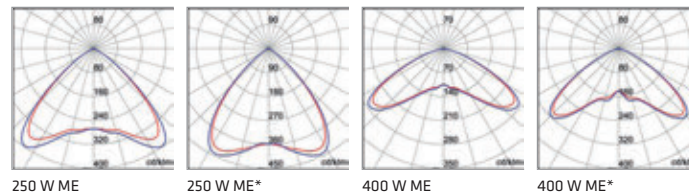


Code	Lamp power	Lamp supplied	Lamp holder	Lamp current	Colour	Weight (kg)	Pack Carton
<b>Voltage: 230 V - 50 Hz</b>							
GW 83 003 M	250 W	ME	E40	3 A	Graphite grey	7.6	1
GW 83 004 M	250 W	ME*	E40	2.2 A	Graphite grey	6.8	1
GW 83 006 M	400 W	ME	E40	4.2 A	Graphite grey	8.9	1
GW 83 007 M	400 W	ME*	E40	3.4 A	Graphite grey	7.5	1

\* Lamp with striking voltage of 0.7 ÷ 1kV.

The versions supplied with metal halides lamps ME - 250W / 400W must be completed with the protection shield (glass) as this is required by the type of lamp installed.

#### Photometric distributions



GW 83 501

#### UNWIRED VERSIONS



Code	Max lamp power	Lamp holder	Colour	Weight (kg)	Pack Carton
GW 83 501	400 W	E40	Graphite grey	6.2	1

ACCESSORIES SUPPLIED: structural components: body and reflector; electrical components: lamp holder, terminal block.



## WITH GLASS



GW 83 028 M



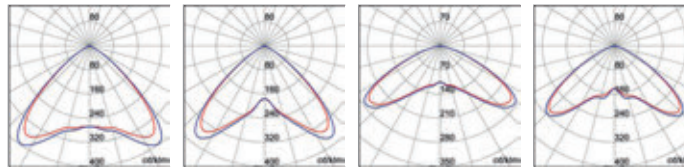
### WIRED VERSIONS WITH P.F. CORRECTION COMPLETE WITH LAMP - IP65 - CLASS I



Code	Lamp power	Lamp supplied	Lamp holder	Lamp current	Colour	Weight (kg)	Pack Carton
<b>Voltage: 230 V - 50 Hz</b>							
GW 83 028 M	250 W	ME	E40	3 A	Graphite grey	9.9	1
GW 83 029 M	250 W	ME*	E40	2.2 A	Graphite grey	9.1	1
GW 83 031 M	400 W	ME	E40	4.2 A	Graphite grey	10.9	1
GW 83 032 M	400 W	ME*	E40	3.4 A	Graphite grey	9.8	1

\* Lamp with striking voltage of 0.7 = 1kV.

#### Photometric distributions



250 W ME

250 W ME\*

400 W ME

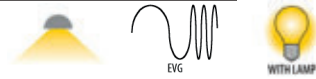
400 W ME\*



GW 83 903 C



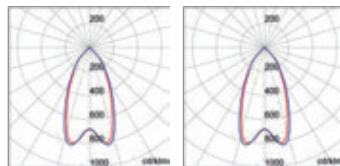
### WIRED VERSIONS COMPLETE WITH LAMP - IP65 - CLASS I - ELECTRONIC POWER SUPPLY



Code	Lamp power	Lamp supplied	Lamp holder	Lamp current	Colour	Weight (kg)	Pack Carton
<b>Voltage: 220/240 V - 50/60 Hz</b>							
GW 83 903 C	90 W	MT	PGZ-12	0.97 A	Graphite grey	9.5	1
GW 83 904 C	140 W	MT	PGZ-12	1.49 A	Graphite grey	9.5	1

NOTE: GW8393C and GW83904C lamp including colour tone 728.

#### Photometric distributions



90 W MT

140 W MT

**COMPLEMENTARY ITEMS**

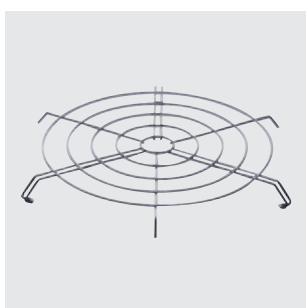


GW 83 531

**ACCESSORIES FOR CLOSING THE OPTICAL COMPARTMENT**

Code	Description	Dimensions (mm)	Weight (kg)	Pack Carton
GW 83 531	IP65 kit glass		2.3	1
GW 84 820	Tempered glass	Ø 470 x h 4	2.1	1

**CHARACTERISTICS:** GW83531: the kit includes glass, closing ring and gasket.



GW 84 814

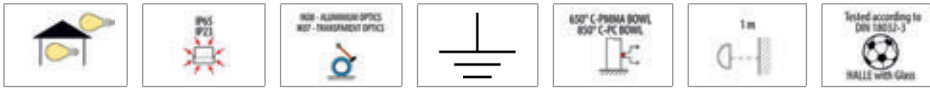
**PROTECTIVE WIRE GUARD**

Code	Dimensions (mm)	Weight (kg)	Pack Carton
GW 84 814	Ø 475 x h 50	0.5	5

**CHARACTERISTICS:** clip fixing on the device.

**NOTES:** protective wire guard to be used in versions with open optics, or optics closed with glass.

## HALLE - DIFFUSED OPTICS



### WITH GLASS



GW 83 128 M

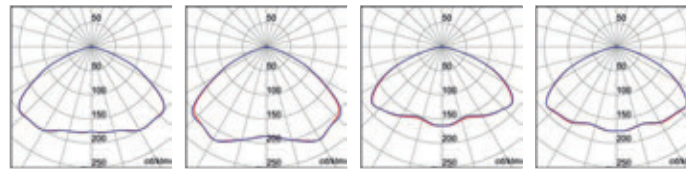
#### WIRED VERSIONS WITH P.F. CORRECTION COMPLETE WITH LAMP - IP65 - CLASS I



Code	Lamp power	Lamp supplied	Lamp holder	Lamp current	Colour	Weight (kg)	Pack Carton
<b>Voltage: 230 V - 50 Hz</b>							
GW 83 128 M	250 W	ME	E40	3 A	Graphite grey	12.4	1
GW 83 129 M	250 W	ME*	E40	2.2 A	Graphite grey	11.6	1
GW 83 131 M	400 W	ME	E40	4.2 A	Graphite grey	13.4	1
GW 83 132 M	400 W	ME*	E40	3.4 A	Graphite grey	12.3	1

\* Lamp with striking voltage of 0.7 + 1kV.

#### Photometric distributions



250 W ME

250 W ME\*

400 W ME

400 W ME\*



GW 83 505

#### UNWIRED VERSIONS



Code	Max lamp power	Lamp holder	Colour	Weight (kg)	Pack Carton
GW 83 505	400 W	E40	Graphite grey	9.4	1

ACCESSORIES SUPPLIED: structural components: body, reflector and glass; electrical components: lamp holder, terminal block.

**COMPLEMENTARY ITEMS**

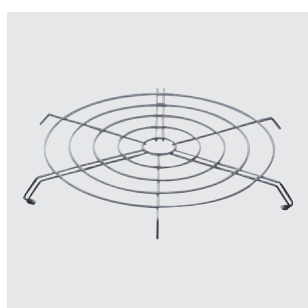


GW 83 534

**ACCESSORIES FOR CLOSING THE OPTICAL COMPARTMENT**

Code	Description	Dimensions (mm)	Weight (kg)	Pack Carton
GW 83 534	IP65 kit glass		4	1
GW 85 928	Tempered glass	Ø 570 x h 5	3.5	1

**CHARACTERISTICS:** GW83534: the kit includes tempered glass, closing ring and gasket.



GW 85 926

**PROTECTIVE WIRE GUARD**

Code	Dimensions (mm)	Weight (kg)	Pack Carton
GW 85 926	Ø 580 x h 90	1.4	1

**CHARACTERISTICS:** clip fixing on the device.

**NOTES:** protective wire guard to be used in versions with open optics, or optics closed with glass.

## WITH PC BOWL



GW 83 153 M

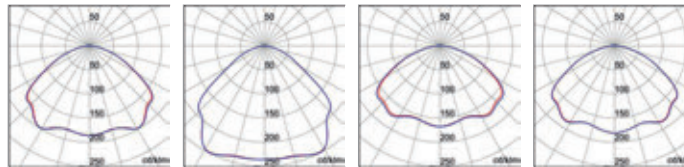
### WIRED VERSIONS WITH P.F. CORRECTION COMPLETE WITH LAMP - IP65 - CLASS I



Code	Lamp power	Lamp supplied	Lamp holder	Lamp current	Colour	Weight (kg)	Pack Carton
<b>Voltage: 230 V - 50 Hz</b>							
GW 83 153 M	250 W	ME	E40	3 A	Graphite grey	10.9	1
GW 83 154 M	250 W	ME*	E40	2.2 A	Graphite grey	10.1	1
GW 83 156 M	400 W	ME	E40	4.2 A	Graphite grey	11.9	1
GW 83 157 M	400 W	ME*	E40	3.4 A	Graphite grey	10.8	1

\* Lamp with striking voltage of 0.7 ÷ 1kV.

#### Photometric distributions



250 W ME

250 W ME\*

400 W ME

400 W ME\*



GW 83 506

### UNWIRED VERSIONS



Code	Max lamp power	Lamp holder	Colour	Weight (kg)	Pack Carton
GW 83 506	400 W	E40	Graphite grey	7.9	1

ACCESSORIES SUPPLIED: structural components: body, reflector and bowl; electrical components: lamp holder, terminal block.

## COMPLEMENTARY ITEMS



GW 83 535

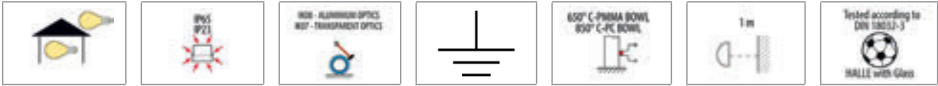
### ACCESSORIES FOR CLOSING THE OPTICAL COMPARTMENT

Code	Description	Dimensions (mm)	Weight (kg)	Pack Carton
GW 83 535	IP65 kit bowl PC		2.2	1
GW 85 927	PC Bowl	Ø 570 x h 65	1.3	1/5

CHARACTERISTICS: GW83535: the kit includes PC bowl, closing ring and gasket.



**HALLE - RESTRICTED BEAM OPTICS**



**WITH GLASS**



GW 83 228 M



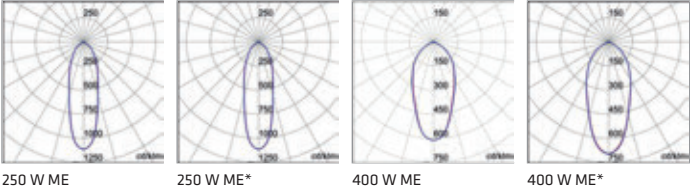
**WIRED VERSIONS WITH P.F. CORRECTION COMPLETE WITH LAMP - IP65 - CLASS I**



Code	Lamp power	Lamp supplied	Lamp holder	Lamp current	Colour	Weight (kg)	Pack Carton
<b>Voltage: 230 V - 50 Hz</b>							
GW 83 228 M	250 W	ME	E40	3 A	Graphite grey	12.6	1
GW 83 229 M	250 W	ME*	E40	2.2 A	Graphite grey	11.8	1
GW 83 231 M	400 W	ME	E40	4.2 A	Graphite grey	13.8	1
GW 83 232 M	400 W	ME*	E40	3.4 A	Graphite grey	12.4	1

\* Lamp with striking voltage of 0.7 ÷ 1kV.

**Photometric distributions**



GW 83 508



**UNWIRED VERSIONS**



Code	Max lamp power	Lamp holder	Colour	Weight (kg)	Pack Carton
GW 83 508	400 W	E40	Graphite grey	9.6	1

ACCESSORIES SUPPLIED: structural components: body, reflector and glass; electrical components: lamp holder, terminal block.

## COMPLEMENTARY ITEMS

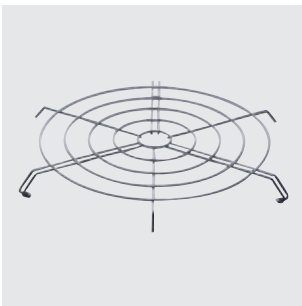


GW 83 534

### ACCESSORIES FOR CLOSING THE OPTICAL COMPARTMENT

Code	Description	Dimensions (mm)	Weight (kg)	Pack Carton
GW 83 534	IP65 kit glass		4	1
GW 85 928	Tempered glass	Ø 570 x h 5	3.5	1

**CHARACTERISTICS:** GW83534: the kit includes tempered glass, closing ring and gasket.



GW 85 926

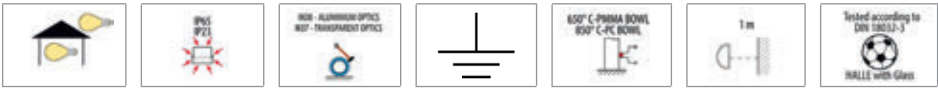
### PROTECTIVE WIRE GUARD

Code	Dimensions (mm)	Weight (kg)	Pack Carton
GW 85 926	Ø 580 x h 90	1.4	1

**CHARACTERISTICS:** clip fixing on the device.

**NOTES:** protective wire guard to be used in versions with open optics, or optics closed with glass.

**ATEX VERSION ZONE 2 (G) - ZONE 22 (D)**



**SMOOTH OPTICS**



GW 83 563 S



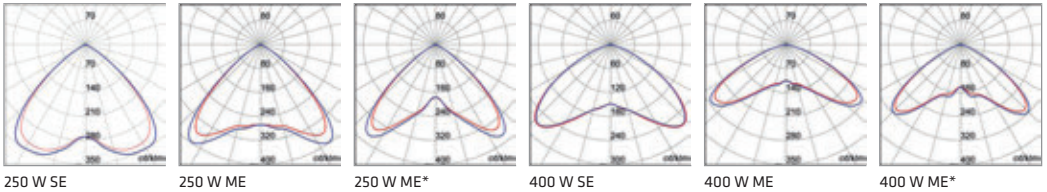
**WIRED VERSIONS WITH P.F. CORRECTION COMPLETE WITH LAMP - IP65 - CLASS I**



Code	Lamp power	Lamp supplied	Lamp holder	Lamp current	Colour	Weight (kg)	Pack Carton
<b>Voltage: 230 V - 50 Hz</b>							
GW 83 563 S	250 W	SE	E40	3 A	Graphite grey	10	1
GW 83 563 M	250 W	ME	E40	3 A	Graphite grey	10	1
GW 83 564 M	250 W	ME*	E40	2.2 A	Graphite grey	9.2	1
GW 83 566 S	400 W	SE	E40	4.2 A	Graphite grey	11.1	1
GW 83 566 M	400 W	ME	E40	4.2 A	Graphite grey	11.1	1
GW 83 567 M	400 W	ME*	E40	3.4 A	Graphite grey	9.9	1

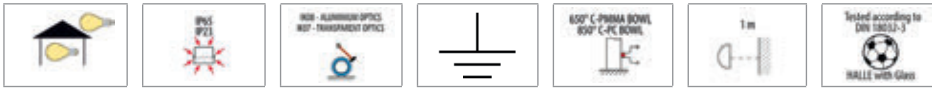
\* Lamp with striking voltage of 0.7 ÷ 1kV.  
**ATEX Classification:** Group II Category 3 GD.  
 Gas protection mode: nR.  
 Dust protection mode: tc.  
 Ambient temperature: -20°C Glt;= Ta Glt;= +25 °C.

**Photometric distributions**



# Halle

## HALLE - RAPID WIRING



### SMOOTH OPTICS



GW 83 624 M



#### WIRED VERSIONS WITH P.F. CORRECTION, COMPLETE WITH LAMP - IP65 - CLASS I

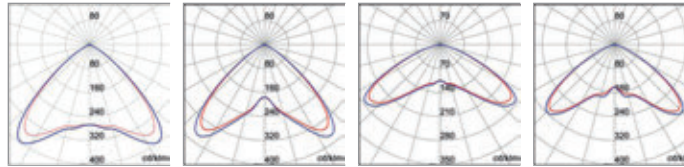


Code	Lamp power	Lamp supplied	Lamp holder	Lamp current	Colour	Weight (kg)	Pack Carton
<b>Voltage: 230 V - 50 Hz</b>							
GW 83 624 M	250 W	ME	E40	3 A	Graphite grey	10.4	1
GW 83 625 M	250 W	ME*	E40	2.2 A	Graphite grey	9.6	1
GW 83 629 M	400 W	ME	E40	4.2 A	Graphite grey	11.4	1
GW 83 630 M	400 W	ME*	E40	3.4 A	Graphite grey	10.3	1

\* Lamp with striking voltage of 0.7 ÷ 1kV.

**NOTES:** the products are supplied complete with Wieland male connector already wired on the product and equipped with cable L=1m complete with Wieland female connector.

#### Photometric distributions



250 W ME

250 W ME\*

400 W ME

400 W ME\*

### DIFFUSED OPTICS



GW 83 645 M

#### WIRED VERSIONS WITH P.F. CORRECTION, COMPLETE WITH LAMP - IP65 - CLASS I

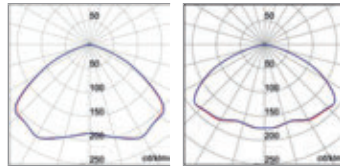


Code	Lamp power	Lamp supplied	Lamp holder	Lamp current	Colour	Weight (kg)	Pack Carton
<b>Voltage: 230 V - 50 Hz</b>							
GW 83 645 M	250 W	ME*	E40	2.2 A	Graphite grey	12.1	1
GW 83 650 M	400 W	ME*	E40	3.4 A	Graphite grey	12.8	1

\* Lamp with striking voltage of 0.7 ÷ 1kV.

**NOTES:** the products are supplied complete with Wieland male connector already wired on the product and equipped with cable L=1m complete with Wieland female connector.

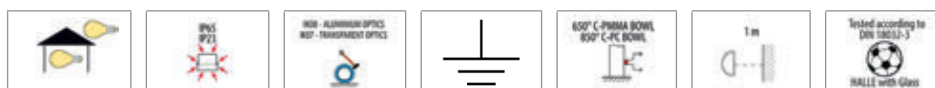
#### Photometric distributions



250 W ME

400 W ME

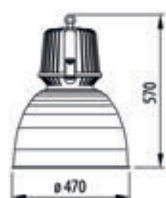
## HALLE TS - TRANSPARENT OPTICS



### OPEN OPTIC



GW 83 401



#### WIRED VERSIONS WITH P.F. CORRECTION IP23 OPTICAL COMPARTMENT - IP65 ACCESSORIES COMPARTMENT - CLASS I

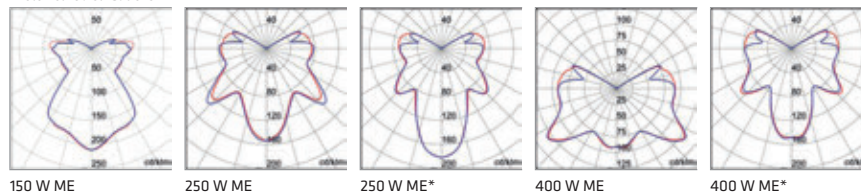


Code	Lamp power	Lamp	Lamp holder	Lamp current	Colour	Weight (kg)	Pack Carton
<b>Voltage: 230 V - 50 Hz</b>							
GW 83 401	150 W	ME - MC	E27	1.8 A	Aluminium	7.5	1
GW 83 403	250 W	ME/SE	E40	3 A	Aluminium	8.8	1
GW 83 404	250 W	ME*	E40	2.2 A	Aluminium	7.7	1
GW 83 406	400 W	ME/SE	E40	4.2 A	Aluminium	9.9	1
GW 83 407	400 W	ME*	E40	3.4 A	Aluminium	8.7	1

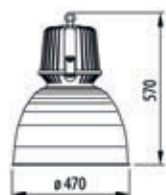
\* Lamp with striking voltage of 0.7 ÷ 1kV.

The versions supplied with metal halides lamps ME - 250W / 400W must be completed with the protection shield (bowl) as this is required by the type of lamp installed.

#### Photometric distributions



GW 83 517



#### UNWIRED VERSIONS



Code	Max lamp power	Lamp holder	Colour	Weight (kg)	Pack Carton
GW 83 517	150 W	E27	Aluminium	5.2	1
GW 83 518	400 W	E40	Aluminium	5.2	1

ACCESSORIES SUPPLIED: structural components: body and reflector; electrical components: lamp holder, terminal block.

The versions supplied with metal halides lamps ME - 250W / 400W must be completed with the protection shield as this is required by the type of lamp installed.

## WITH PMMA BOWL



GW 83 476



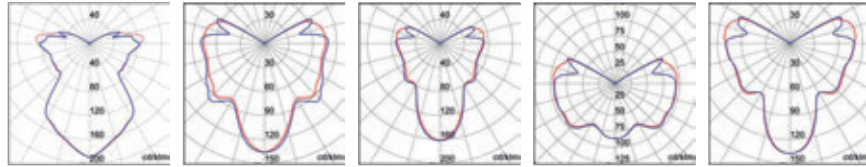
### WIRED VERSIONS WITH P.F. CORRECTION - IP65 - CLASS I



Code	Lamp power	Lamp	Lamp holder	Lamp current	Colour	Weight (kg)	Pack Carton
<b>Voltage: 230 V - 50 Hz</b>							
GW 83 476	150 W	ME - MC	E27	1.8 A	Aluminium	8.8	1
GW 83 478	250 W	ME/SE	E40	3 A	Aluminium	10.1	1
GW 83 479	250 W	ME*	E40	2.2 A	Aluminium	9	1
GW 83 481	400 W	ME/SE	E40	4.2 A	Aluminium	11.2	1
GW 83 482	400 W	ME*	E40	3.4 A	Aluminium	10	1

\* Lamp with striking voltage of 0.7 ÷ 1kV.

#### Photometric distributions



150 W ME

250 W ME

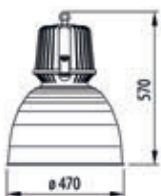
250 W ME\*

400 W ME

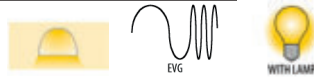
400 W ME\*



GW 83 914 C



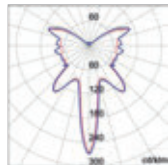
### WIRED VERSIONS COMPLETE WITH LAMP - IP65 - CLASS I - ELECTRONIC POWER SUPPLY



Code	Lamp power	Lamp supplied	Lamp holder	Lamp current	Colour	Weight (kg)	Pack Carton
<b>Voltage: 220/240 V - 50/60 Hz</b>							
GW 83 914 C	140 W	MT	PGZ-12	1.49 A	Aluminium	9	1

NOTE: GW83914C lamp including colour tone 728; GW83915C lamp including colour tone 930.

#### Photometric distributions



140 W MT

**COMPLEMENTARY ITEMS**



GW 84 983

**ACCESSORIES FOR CLOSING THE OPTICAL COMPARTMENT**

Code	Description	Dimensions (mm)	Weight (kg)	Pack Carton
GW 83 537	Kit bowl PMMA		1.3	1
GW 84 983	PMMA bowl	Ø 470 x h 45	0.6	1/5

**CHARACTERISTICS:** GW83537: the kit includes PMMA bowl, closing ring and gasket.



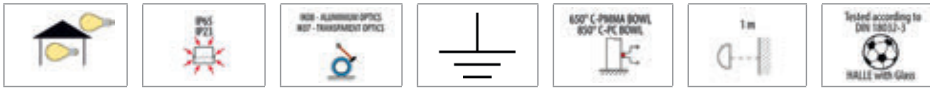
GW 83 538

**CEILING FIXING ROSE**

Code	Max length (m)	Colour	Pack Carton
GW 83 538	1.5	Aluminium	1

**ACCESSORIES SUPPLIED:** supply terminal, 3-pole cable L=1.6m.

## HALLE TS - SMOOTH OPTICS



### OPEN OPTIC



GW 83 303

### WIRED VERSIONS WITH P.F. CORRECTION IP23 OPTICAL COMPARTMENT - IP65 ACCESSORIES COMPARTMENT - CLASS I

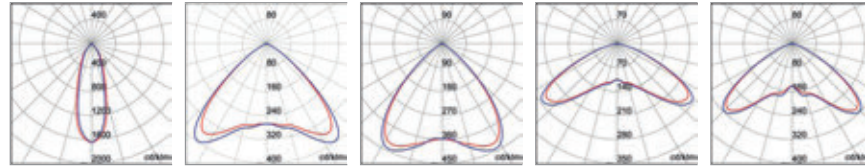


Code	Lamp power	Lamp	Lamp holder	Lamp current	Colour	Weight (kg)	Pack Carton
<b>Voltage: 230 V - 50 Hz</b>							
GW 83 301	150 W	ME - MC	E27	1.8 A	Aluminium	6.7	1
GW 83 303	250 W	ME/SE	E40	3 A	Aluminium	7.5	1
GW 83 304	250 W	ME*	E40	2.2 A	Aluminium	6.7	1
GW 83 306	400 W	ME/SE	E40	4.2 A	Aluminium	8.7	1
GW 83 307	400 W	ME*	E40	3.4 A	Aluminium	7.3	1

\* Lamp with striking voltage of 0.7 - 1kV.

The versions supplied with metal halides lamps ME - 250W / 400W must be completed with the protection shield (glass), as requested by the type of lamp fitted.

#### Photometric distributions



150 W ME

250 W ME

250 W ME\*

400 W ME

400 W ME\*



GW 83 509

### UNWIRED VERSIONS



Code	Max lamp power	Lamp holder	Colour	Weight (kg)	Pack Carton
GW 83 509	150 W	E27	Aluminium	4.1	1
GW 83 510	400 W	E40	Aluminium	4.1	1

ACCESSORIES SUPPLIED: structural components: body and reflector; electrical components: lamp holder, terminal block.

The versions supplied with metal halides lamps ME - 250W / 400W must be completed with the protection shield (glass) as this is required by the type of lamp installed.





WITH GLASS



GW 83 328



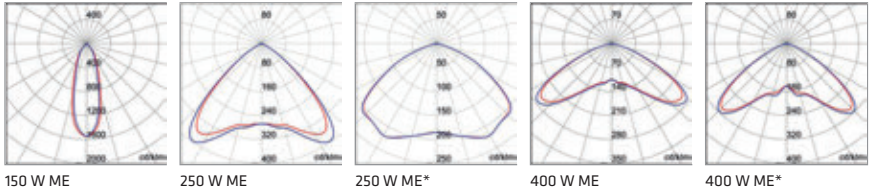
**WIRED VERSIONS WITH P.F. CORRECTION - IP65 - CLASS I**



Code	Lamp power	Lamp	Lamp holder	Lamp current	Colour	Weight (kg)	Pack Carton
<b>Voltage: 230 V - 50 Hz</b>							
GW 83 326	150 W	ME - MC	E27	1.8 A	Aluminium	9	1
GW 83 328	250 W	ME/SE	E40	3 A	Aluminium	9.8	1
GW 83 329	250 W	ME*	E40	2.2 A	Aluminium	9	1
GW 83 331	400 W	ME/SE	E40	4.2 A	Aluminium	11	1
GW 83 332	400 W	ME*	E40	3.4 A	Aluminium	9.6	1

\* Lamp with striking voltage of 0.7 ÷ 1kV.

**Photometric distributions**



## COMPLEMENTARY ITEMS



GW 83 531

### ACCESSORIES FOR CLOSING THE OPTICAL COMPARTMENT

Code	Description	Dimensions (mm)	Weight (kg)	Pack Carton
GW 83 531	IP65 kit glass		2.3	1
GW 84 820	Tempered glass	Ø 470 x h 4	2.1	1

**CHARACTERISTICS:** GW83531: the kit includes glass, closing ring and gasket.

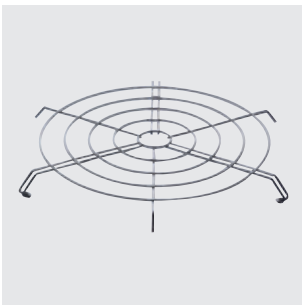


GW 83 538

### CEILING FIXING ROSE

Code	Max length (m)	Colour	Pack Carton
GW 83 538	1.5	Aluminium	1

**ACCESSORIES SUPPLIED:** supply terminal, 3-pole cable L=1.6m.



GW 84 814

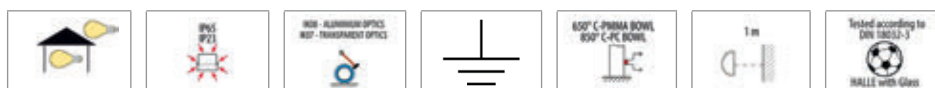
### PROTECTIVE WIRE GUARD

Code	Dimensions (mm)	Weight (kg)	Pack Carton
GW 84 814	Ø 475 x h 50	0.5	5

**CHARACTERISTICS:** clip fixing on the device.

**NOTES:** protective wire guard to be used in versions with open optics, or optics closed with glass.

## HALLE TS - PRISMATIZED OPTICS



### OPEN OPTIC



GW 83 432



### WIRED VERSIONS WITH P.F. CORRECTION IP23 OPTICAL COMPARTMENT - IP65 ACCESSORIES COMPARTMENT - CLASS I

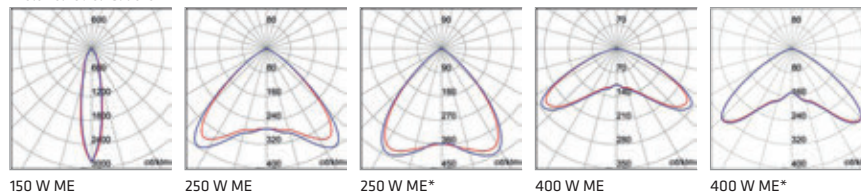


Code	Lamp power	Lamp	Lamp holder	Lamp current	Colour	Weight (kg)	Pack Carton
<b>Voltage: 230 V - 50 Hz</b>							
GW 83 426	150 W	ME - MC	E27	1.8 A	Aluminium	6.7	1
GW 83 428	250 W	ME/SE	E40	3 A	Aluminium	7.5	1
GW 83 429	250 W	ME*	E40	2.2 A	Aluminium	6.7	1
GW 83 431	400 W	ME/SE	E40	4.2 A	Aluminium	8.7	1
GW 83 432	400 W	ME*	E40	3.4 A	Aluminium	7.3	1

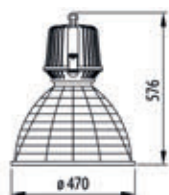
\* Lamp with striking voltage of 0.7 ÷ 1kV.

The versions supplied with metal halides lamps ME - 250W / 400W must be completed with the protection shield (glass), as requested by the type of lamp fitted.

#### Photometric distributions



GW 83 521



### UNWIRED VERSIONS



Code	Max lamp power	Lamp holder	Colour	Weight (kg)	Pack Carton
GW 83 521	150 W	E27	Aluminium	4.1	1
GW 83 522	400 W	E40	Aluminium	4.1	1

ACCESSORIES SUPPLIED: structural components: body and reflector; electrical components: lamp holder, terminal block.

The versions supplied with metal halides lamps ME - 250W / 400W must be completed with the protection shield (glass) as this is required by the type of lamp installed.

## WITH GLASS



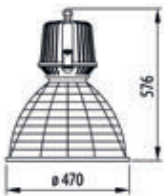
GW 83 457

### WIRED VERSIONS WITH P.F. CORRECTION - IP65 - CLASS I

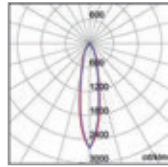


Code	Lamp power	Lamp	Lamp holder	Lamp current	Colour	Weight (kg)	Pack Carton
<b>Voltage: 230 V - 50 Hz</b>							
GW 83 451	150 W	ME - MC	E27	1.8 A	Aluminium	9	1
GW 83 453	250 W	ME/SE	E40	3 A	Aluminium	9.8	1
GW 83 454	250 W	ME*	E40	2.2 A	Aluminium	9	1
GW 83 456	400 W	ME/SE	E40	4.2 A	Aluminium	11	1
GW 83 457	400 W	ME*	E40	3.4 A	Aluminium	9.6	1

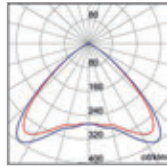
\* Lamp with striking voltage of 0.7 ÷ 1kV.



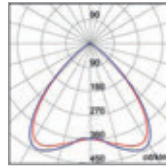
#### Photometric distributions



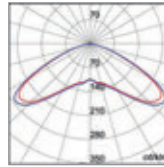
150 W ME



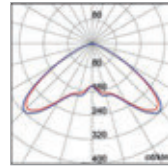
250 W ME



250 W ME\*



400 W ME



400 W ME\*

**COMPLEMENTARY ITEMS**


GW 83 531

**ACCESSORIES FOR CLOSING THE OPTICAL COMPARTMENT**

Code	Description	Dimensions (mm)	Weight (kg)	Pack Carton
GW 83 531	IP65 kit glass		2.3	1
GW 84 820	Tempered glass	Ø 470 x h 4	2.1	1

**CHARACTERISTICS:** GW83531: the kit includes glass, closing ring and gasket.

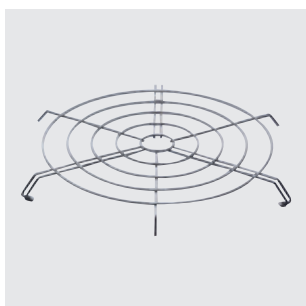


GW 83 538

**CEILING FIXING ROSE**

Code	Max length (m)	Colour	Pack Carton
GW 83 538	1.5	Aluminium	1

**ACCESSORIES SUPPLIED:** supply terminal, 3-pole cable L=1.6m.



GW 84 814

**PROTECTIVE WIRE GUARD**

Code	Dimensions (mm)	Weight (kg)	Pack Carton
GW 84 814	Ø 475 x h 50	0.5	5

**CHARACTERISTICS:** clip fixing on the device.

**NOTES:** protective wire guard to be used in versions with open optics, or optics closed with glass.

# Halle



## ADJUSTABLE LAMP POSITION



The position of the lampholder is adjustable so to always have the best performances in connection to the lamps used.

## ENERGY SAVINGS



The use of the latest generation discharge lamps, together with high performance electronic reactors, guarantees considerable energy savings and a longer lamp lifespan.


## ATEX VERSIONS



The HALLE range also includes devices that comply with the ATEX directive. The products can be installed in all environments - indoors or outdoors - that are classified in accordance with the ATEX directives as ZONE 2 (GAS) and ZONE 22 (DUST).

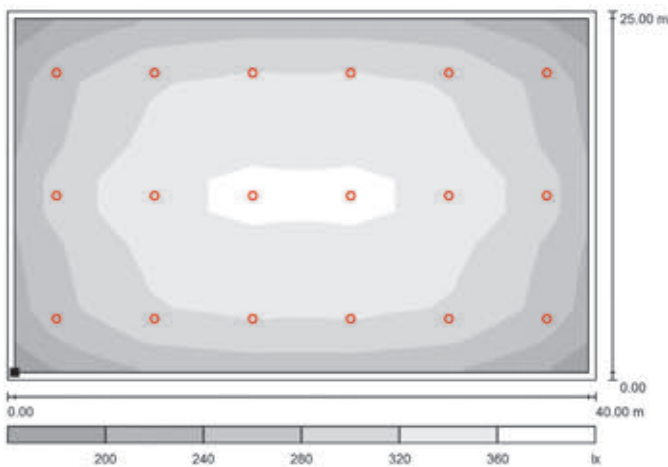
## Technical characteristics

<b>INSTALLATION</b>	Internal / External
<b>COLOUR</b>	Graphite grey or Aluminium grey
<b>MATERIALS</b>	
<b>Body</b>	Die-cast aluminium EN AB 46100
<b>Reflector</b>	Polished aluminium 99.85% or PMMA
<b>Shield</b>	Flat glass 4 mm or PMMA bowl

<b>DEGREE OF PROTECTION</b>	IP23 or IP65
<b>IMPACT RESISTANCE</b>	With aluminium reflector = IK08 With plastic reflector = IK07
<b>INSULATION CLASS</b>	I
<b>MARKS</b>	CE  DIN18032-3

## Technical solutions

### Project: metal working



<b>Reference standard</b>	EN 12464-1:2011
<b>Reference</b>	5.18.2
<b>Activity</b>	Industrial and artisan activities Metal working Welding
<b>Eave on work plane (Em)</b>	300 lx
<b>Uniformity (Uo)</b>	0.6
<b>Room dimension</b>	20 x 20 x 12 m
<b>Product Code</b>	<b>GW83231M</b>
<b>Quantity</b>	18
<b>Eave on work plane (Em)</b>	300
<b>Uniformity (Uo)</b>	0.64
<b>Total power system</b>	7.7 kW

# Hercules

## High bays for indoors

Ideal for indoor lighting in the industrial and commercial sectors, this suspended watertight high bay in moulded, painted steel increases the degree of protection of the optical compartment up to IP44.



Technical characteristics page 269

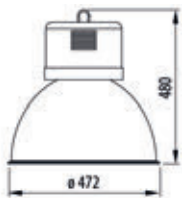
## HERCULES - SMOOTH OPTICS



### OPEN OPTIC



GW 84 106 M



### WIRED VERSIONS WITH P.F. CORRECTION COMPLETE WITH LAMP - IP20 - CLASS I



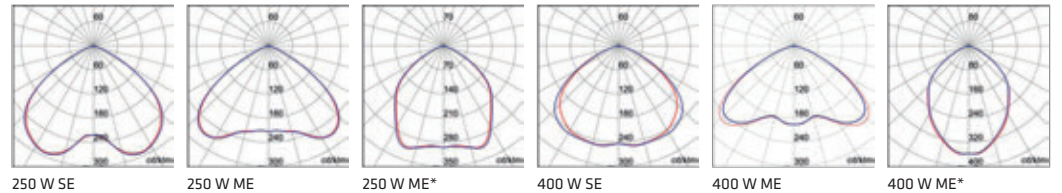
Code	Lamp power	Lamp supplied	Lamp holder	Lamp current	Colour	Weight (kg)	Pack Carton
<b>Voltage: 230 V - 50 Hz</b>							
GW 84 104 S	250 W	SE	E40	3 A	Graphite grey	7.3	1
GW 84 104 M	250 W	ME	E40	3 A	Graphite grey	7.3	1
GW 84 105 M	250 W	ME*	E40	2.2 A	Graphite grey	6.5	1
GW 84 106 S	400 W	SE	E40	4.2 A	Graphite grey	8.7	1
GW 84 106 M	400 W	ME	E40	4.2 A	Graphite grey	8.7	1
GW 84 107 M	400 W	ME*	E40	3.4 A	Graphite grey	7.2	1

\* Lamp with striking voltage of 0.7 ÷ 1kV.

Assembling the special kit (GW84982), it is possible to make the optical compartment IP44.

The versions supplied with metal halides lamps ME - 250W / 400W must be completed with the protection shield (glass) as this is required by the type of lamp installed

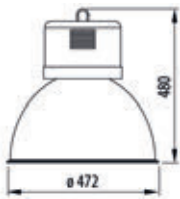
#### Photometric distributions



# Hercules



GW 84 121



## UNWIRED VERSIONS

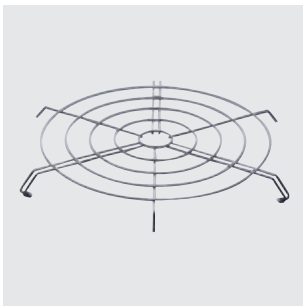


Code	Max lamp power	Lamp holder	Colour	Weight (kg)	Pack Carton
GW 84 121	400 W	E40	Graphite grey	4	1
GW 84 122	125 W	E27	Graphite grey	4	1

**ACCESSORIES SUPPLIED:** structural components: reflector, accessory-holding plate.

Electrical components: lampholder with cables, terminal block. The devices are supplied with standard service items.

## COMPLEMENTARY ITEMS



GW 84 814

### ACCESSORIES FOR CLOSING THE OPTICAL COMPARTMENT

Code	Description	Dimensions (mm)	Weight (kg)	Pack Carton
GW 84 982	IP44 kit with glass		2.6	1/5
GW 84 820	Tempered glass	Ø 470 x h 4	2.1	1
GW 84 814	Protective wire guard	Ø 475 x h 50	0.5	5
GW 84 818	Cup closing trim		0.3	25

**CHARACTERISTICS:** GW84814 clip fixing on the device.

**NOTES:** GW84814 protective wire guard to be used in versions with open optics, or optics closed with glass.

KIT GW84982 consisting of tempered glass, gasket, closing ring and lampholder protection plate.



## HERCULES - STRIPED OPTICS



### OPEN OPTIC



GW 84 885 M



### WIRED VERSIONS WITH P.F. CORRECTION COMPLETE WITH LAMP - IP20 - CLASS I



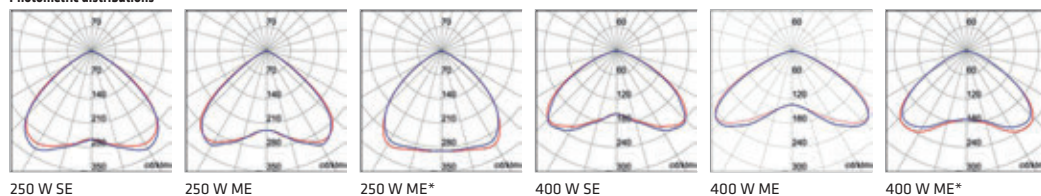
Code	Lamp power	Lamp supplied	Lamp holder	Lamp current	Colour	Weight (kg)	Pack Carton
<b>Voltage: 230 V - 50 Hz</b>							
GW 84 883 S	250 W	SE	E40	3 A	Grey RAL 7035	7.3	1
GW 84 883 M	250 W	ME	E40	3 A	Grey RAL 7035	7.3	1
GW 84 886 M	250 W	ME*	E40	2.2 A	Grey RAL 7035	6.5	1
GW 84 885 S	400 W	SE	E40	4.2 A	Grey RAL 7035	8.7	1
GW 84 885 M	400 W	ME	E40	4.2 A	Grey RAL 7035	8.7	1
GW 84 887 M	400 W	ME*	E40	3.4 A	Grey RAL 7035	7.2	1

\* Lamp with striking voltage of 0.7 ÷ 1kV.

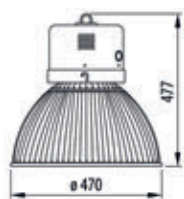
Assembling the special kit (GW84981 - GW84982 - GW84984), it is possible to make the optical compartment IP44.

The versions supplied with metal halides lamps ME - 250W / 400W must be completed with the protection shield (glass or bowl) as this is required by the type of lamp installed

#### Photometric distributions



GW 84 873



### UNWIRED VERSIONS

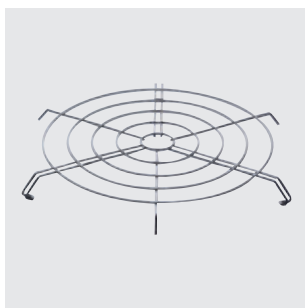


Code	Max lamp power	Lamp holder	Colour	Weight (kg)	Pack Carton
GW 84 873	400 W	E40	Grey RAL 7035	4	1
GW 84 878	125 W	E27	Grey RAL 7035	4	1

**ACCESSORIES SUPPLIED:** structural components: reflector, accessory-holding plate.

Electrical components: lampholder with cables, terminal block. The devices are supplied with standard service items.

## COMPLEMENTARY ITEMS



GW 84 814

### ACCESSORIES FOR CLOSING THE OPTICAL COMPARTMENT

Code	Description	For lamps	Dimensions (mm)	Weight (kg)	Pack Carton
<b>GW 84 982</b>	IP44 kit with glass			2.6	1/5
<b>GW 84 981</b>	IP44 kit with PC bowl	Max 250 W		1.6	1/4
<b>GW 84 984</b>	IP44 kit with PMMA bowl	Max 250 W		1.7	1/4
<b>GW 84 820</b>	Tempered glass		Ø 470 x h 4	2.1	1
<b>GW 84 819</b>	PC Bowl	Max 250 W	Ø 470 x h 45	0.6	5
<b>GW 84 983</b>	PMMA bowl	Max 250 W	Ø 470 x h 45	0.6	1/5
<b>GW 84 814</b>	Protective wire guard		Ø 475 x h 50	0.5	5
<b>GW 84 818</b>	Cup closing trim			0.3	25

**CHARACTERISTICS:** GW84814 clip fixing on the device.

**NOTES:** GW84814 protective wire guard to be used in versions with open optics, or optics closed with glass.  
KIT consisting of glass/bowl, gasket, closing ring and lampholder protection plate.

## HERCULES - TRANSPARENT OPTICS



### OPEN OPTIC



GW 85 896 M



### WIRED VERSIONS WITH P.F. CORRECTION COMPLETE WITH LAMP - IP20 - CLASS I

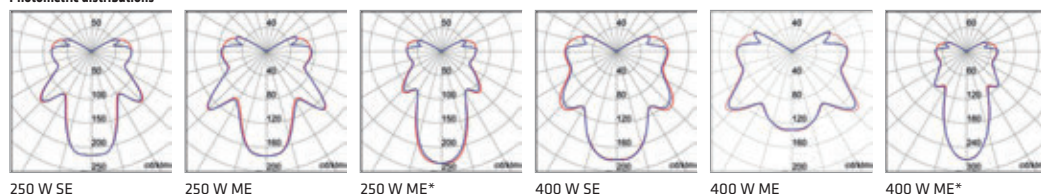


Code	Lamp power	Lamp supplied	Lamp holder	Lamp current	Colour	Weight (kg)	Pack Carton
<b>Voltage: 230 V - 50 Hz</b>							
GW 85 894 S	250 W	SE	E40	3 A	Grey RAL 7035	9.1	1
GW 85 894 M	250 W	ME	E40	3 A	Grey RAL 7035	9.1	1
GW 85 895 M	250 W	ME*	E40	2.2 A	Grey RAL 7035	8.3	1
GW 85 896 S	400 W	SE	E40	4.2 A	Grey RAL 7035	10.5	1
GW 85 896 M	400 W	ME	E40	4.2 A	Grey RAL 7035	10.5	1
GW 85 897 M	400 W	ME*	E40	3.4 A	Grey RAL 7035	9	1

\* Lamp with striking voltage of 0.7 ÷ 1kV.

The versions supplied with metal halides lamps ME - 250W / 400W must be completed with the protection shield (bowl) as this is required by the type of lamp installed

#### Photometric distributions



GW 85 934



### UNWIRED VERSIONS



Code	Max lamp power	Lamp holder	Colour	Weight (kg)	Pack Carton
GW 85 934	125 W	E27	Grey RAL 7035	5.8	1
GW 85 933	400 W	E40	Grey RAL 7035	5.8	1

**ACCESSORIES SUPPLIED:** structural components: reflector, accessory-holding plate.

Electrical components: lampholder with cables, terminal block. The devices are supplied with standard service items.

## COMPLEMENTARY ITEMS



GW 84 983

### ACCESSORIES FOR CLOSING THE OPTICAL COMPARTMENT

Code	Description	Dimensions (mm)	Weight (kg)	Pack Carton
GW 83 537	Kit bowl PMMA		1.3	1
GW 84 983	PMMA bowl	Ø 470 x h 45	0.6	1/5

**CHARACTERISTICS:** GW83537: the kit includes PMMA bowl, closing ring and gasket.

# Hercules



## VERSATILITY



Thanks to the special kits in glass, polycarbonate or plexiglass, it is possible to increase the safety of the optical compartment to obtain a IP44 degree of protection.

## PHOTOMETRICAL PERFORMANCE



The prismatic surface of the transparent high bay has been designed to obtain optimal optical control of the light flux emitted by the lamp.



## SIMPLIFIED MAINTENANCE



The retaining wires on the product make all maintenance operations on the wiring compartment quicker and safer.

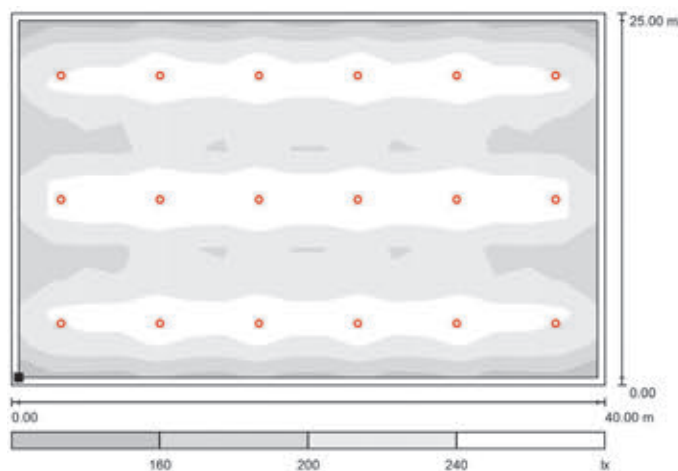
## Technical characteristics

<b>INSTALLATION</b>	Internal
<b>COLOUR</b>	Graphite grey or grey RAL7035
<b>MATERIALS</b>	
<b>Body</b>	Painted steel
<b>Reflector</b>	Polished aluminium 99.85% or PMMA
<b>Shield</b>	Glass or bowl available as complementary items

<b>DEGREE OF PROTECTION</b>	IP20
<b>IMPACT RESISTANCE</b>	IK07 / IK10 (depending on the version)
<b>INSULATION CLASS</b>	1
<b>MARKS</b>	CE  

## Technical solutions

### Project: cement-working industry



<b>Reference standard</b>	EN 12464-1:2011
<b>Reference</b>	5.8.2
<b>Activity</b>	Cement Material preparation
<b>Eave on work plane (Em)</b>	200 lx
<b>Uniformity (Uo)</b>	0.4
<b>Room dimension</b>	40 x 25 x 5 m
<b>Product Code</b>	<b>GW84104M</b>
<b>Quantity</b>	18
<b>Eave on work plane (Em)</b>	225
<b>Uniformity (Uo)</b>	0.65
<b>Total power system</b>	4.9 kW

## Astrid 75

LED FLUSH-MOUNTING  
DECORATIVE  
DOWNLIGHTS



*pag. 272*

## Astrid Round

LED FLUSH-MOUNTING  
ROUND DOWNLIGHTS



*pag. 274*

## Astrid Square

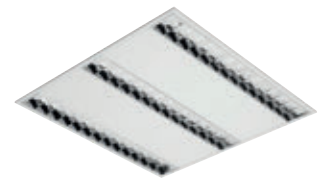
LED FLUSH-MOUNTING  
ROUND DOWNLIGHTS



*pag. 278*

## Astrid 60x60

LED MODULAR FLUSH/  
CEILING-MOUNTING  
DOWNLIGHTS



*pag. 282*

## Astrid Full Panel LED 60x60

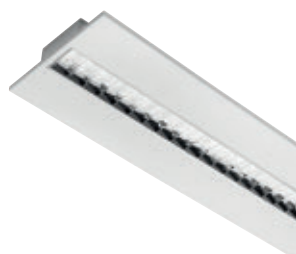
LED MODULAR FLUSH/  
CEILING-MOUNTING  
DOWNLIGHTS



*pag. 288*

## Astrid 30x120

LED MODULAR FLUSH/  
CEILING-MOUNTING  
DOWNLIGHTS



*pag. 290*

## Astrid Full Panel LED 30x120

LED MODULAR FLUSH/  
CEILING-MOUNTING  
DOWNLIGHTS



*pag. 293*

## Iride

CEILING-MOUNTING  
LUMINAIRES FOR  
INDOOR



*pag. 295*

## Manta

DECORATIVE DEVICES FOR INDOOR



*pag. 297*

## Bolla/ Guscio

WATERTIGHT COMPACT CEILING MOUNTING LUMINAIRES



*pag. 303*

## Tonda ES

PROTECTED CEILING MOUNTING LUMINAIRES



*pag. 310*

## Startec NET

AUTONOMOUS, CENTRALLY MANAGED EMERGENCY DEVICES - BUS LONTALK



*pag. 313*

## Startec EIB

AUTONOMOUS, CENTRALLY MANAGED EMERGENCY DEVICES - KNX BUS



*pag. 318*

## Startec CHECK

AUTONOMOUS EMERGENCY DEVICES WITH LOCAL SELF-DIAGNOSIS



*pag. 321*

## Startec BASIC

TRADITIONAL AUTONOMOUS EMERGENCY DEVICES



*pag. 325*

## Startec GSE/UPS

CENTRALISED POWER SUPPLY SYSTEMS



*pag. 328*

# Astrid 75



## LED flush-mounting decorative downlights

Astrid 75 LED is a range of decorative flush-mounting devices in die-cast aluminium, for indoor use. In all the models, the finish ring can be directed to facilitate the orientation of the light beam. Available in glossy white, aluminium, gold and bronze.



Technical characteristics page 273

### ASTRID 75 LED



#### LED ORIENTABLE DOWNLIGHTS



GW S2 802

#### VERSIONS LED LIGHT SOURCE - IP20 - CLASS II

CONSTANT  
CURRENT  
DRIVER



EXTENDED  
WARRANTY

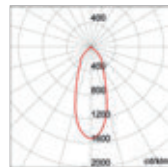
Code	No. of lamps	System power	Colour temperature	Nominal flux (lm)	Lumen output (lm)	Colour	Weight (kg)	Pack Carton
<b>Voltage: 220/240 V - 50/60 Hz</b>								
GW S2 801	1	11.5 W	3000 K	1400	1100	White	0.5	1
GW S2 802	1	11.5 W	3000 K	1400	1100	Aluminium	0.5	1
GW S2 803	1	11.5 W	3000 K	1400	1100	Gold	0.5	1
GW S2 804	1	11.5 W	3000 K	1400	1100	Bronze	0.5	1

NOTE: tilting optic  $\pm 25^\circ$ .

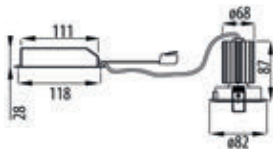
350 mA LED power supply included.

Due to the continuous changes with the LED technologies, the technical data can undertake variations.

#### Photometric distributions



11.5 W





# Astrid 75



## QUICK WIRING



The spring system allows perfect assembly on 5-20mm thick panels. The assembly and lamp replacement are much easier compared with the dichroic versions.

## ADJUSTABLE RING



The adjustable ring allows you to direct the light beam and optimise the distribution of the light over the area concerned.

## NEW LED VERSIONS



The ASTRID 75 range enlarges with new versions of 1100lm LED 11,5W with 3000K color temperature including the power supply for driving LED at 350mA.

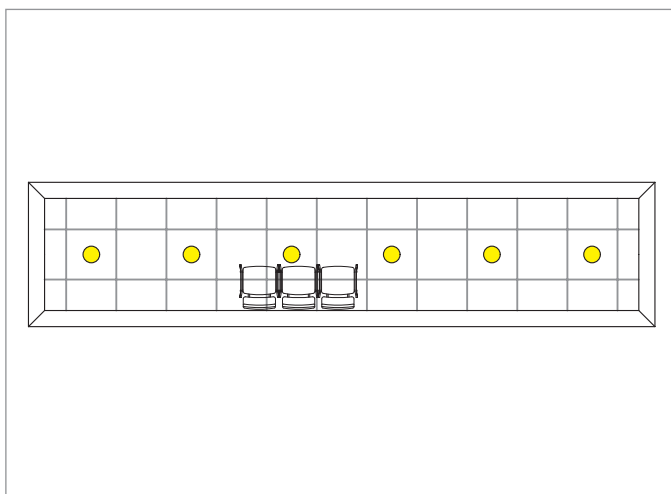
## Technical characteristics

<b>INSTALLATION</b>	Internal - false ceilings
<b>COLOUR</b>	White or Aluminium or Gold or Bronze
<b>MATERIALS</b>	
<b>Body</b>	Aluminium
<b>Reflector</b>	Metallised PC
<b>Shield</b>	PC

<b>DEGREE OF PROTECTION</b>	IP20
<b>IMPACT RESISTANCE</b>	IK06
<b>INSULATION CLASS</b>	II
<b>LIFETIME</b>	B10L80 @ +25°C = 45000h
<b>MARKS</b>	CE

## Technical solutions

### Project: hall/corridor



<b>Product</b>	<b>Astrid 75 LED</b>
<b>Characteristics</b>	11.5 W - 3000 K
<b>Beam</b>	Wide
<b>Code</b>	GW S2 801
<b>Environment</b>	1.5 x 8.0 x 2.3
<b>Mounting height</b>	2.3 m
<b>Luminaires number</b>	6
<b>Eave on ground</b>	250 lux
<b>Glare ratio UGR</b>	< 19
<b>Interdistance</b>	1.3
<b>Uniformity (Emin/Av)</b>	0.70

# Astrid Round

LED

## LED flush-mounting round downlights

Astrid Round is a flush-mounting LED device. Designed for indoor commercial contexts, especially offices, hotels and accommodation facilities.



Technical characteristics page 277

### ASTRID ROUND



#### ROUND DOWNLIGHT - DIAMETER 200MM



GW S2 201

#### WIRED VERSIONS WITH LED SOURCES - IP20 (IP40 FOR THE OPTICAL COMPARTMENT) - CLASS II

CONSTANT  
CURRENT  
DRIVER



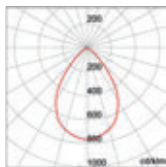
EXTENDED  
WARRANTY

Code	System power	Colour temperature	Lumen output (lm)	Colour	Weight (kg)	Pack Carton
<b>Voltage: 220/240 V - 50/60 Hz - Stand alone</b>						
GW S2 201	19 W	3000 K (CRI 80)	1900	White	1.1	1
GW S2 206	19 W	4000 K (CRI 80)	2000	White	1.1	1
<b>Voltage: 220/240 V - 50/60 Hz - DALI</b>						
GW S2 216	19 W	4000 K (CRI 80)	2000	White	1.1	1

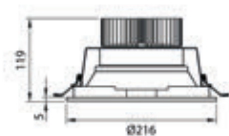
NOTE: for false ceilings 1-40 mm thick.

Due to the continuous changes with the LED technologies, the technical data can undertake variations.

#### Photometric distributions



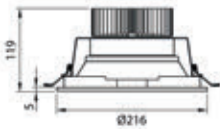
20 W



**ROUND RECESSED DOWNLIGHTER - 200MM DIAMETER - EMERGENCY VERSION**



GW S2 226



**WIRED VERSIONS WITH LED SOURCES - IP20 (IP40 FOR THE OPTICAL COMPARTMENT) - CLASS II**

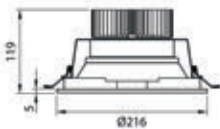
Code	System power	Colour temperature	Lumen output (lm)	Colour	Weight (kg)	Pack Carton	
							<b>Voltage: 220/240 V - 50/60 Hz</b>
GW S2 226	19 W	4000 K (CRI 80)	2000	White	1.1	1	

NOTE: for false ceilings 1-40 mm thick.  
Due to the continuous changes with the LED technologies, the technical data can undertake variations.

**ROUND DOWNLIGHT - DIAMETER 250MM**



GW S2 202

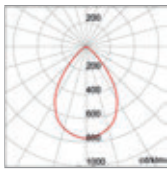


**WIRED VERSIONS WITH LED SOURCES - IP20 (IP40 FOR THE OPTICAL COMPARTMENT) - CLASS II**

Code	System power	Colour temperature	Lumen output (lm)	Colour	Weight (kg)	Pack Carton	
							<b>Voltage: 220/240 V - 50/60 Hz - Stand alone</b>
GW S2 202	33 W	3000 K (CRI 80)	3350	White	1.3	1	
GW S2 207	33 W	4000 K (CRI 80)	3500	White	1.3	1	
							<b>Voltage: 220/240 V - 50/60 Hz - DALI</b>
GW S2 217	33 W	4000 K (CRI 80)	3500	White	1.3	1	

NOTE: for false ceilings 1-40 mm thick.  
Due to the continuous changes with the LED technologies, the technical data can undertake variations.

**Photometric distributions**



33 W

# Astrid Round

## ROUND RECESSED DOWNLIGHTER - 250MM DIAMETER - EMERGENCY VERSION



GW S2 227

### WIRED VERSIONS WITH LED SOURCES - IP20 (IP40 FOR THE OPTICAL COMPARTMENT) - CLASS II

CONSTANT  
CURRENT  
DRIVER



EXTENDED  
WARRANTY



Code	System power	Colour temperature	Lumen output (lm)	Colour	Weight (kg)	Pack Carton
<b>Voltage: 220/240 V - 50/60 Hz</b>						
<b>GW S2 227</b>	33 W	4000 K (CRI 80)	3500	White	1.3	1

**NOTE:** for false ceilings 1-40 mm thick.

Due to the continuous changes with the LED technologies, the technical data can undertake variations.



GW 90 872 A

### KNX/DALI 64/16 IP GATEWAY - DIN RAIL MOUNTING

Code	Power supply	Max no. DALI units	Max no. DALI devices	No. DIN modules	Pack Carton
<b>GW 90 872 A</b>	110-240V ac - 50/60Hz, 100mA	16	64	4	1/4

**CHARACTERISTICS:** interface that - via KNX BUS - can control up to 64 lamps managed with the DALI protocol. The device is equipped with a RJ45 LAN port for configuration and/or access via IP and supplies power to the DALI line. Category 1 device (in accordance with EN 62386-103).

**NOTES:** equipped with coupling terminal for connection to BUS.

# Astrid Round



## LIGHT DESIGN



Astrid Round combines design and performance: simple shapes in two different sizes for top quality, efficient lighting.

## LIGHT FOR EVERY CONTEXT



Astrid Round is ideal for every commercial sector context - shops, corridors, reception areas, halls, showrooms, shopping centres and public areas.

## LED TECHNOLOGY



The use of LED devices offers advantages both for the companies and for the environment, guaranteeing considerable energy savings, reduced maintenance and a focus on sustainability.

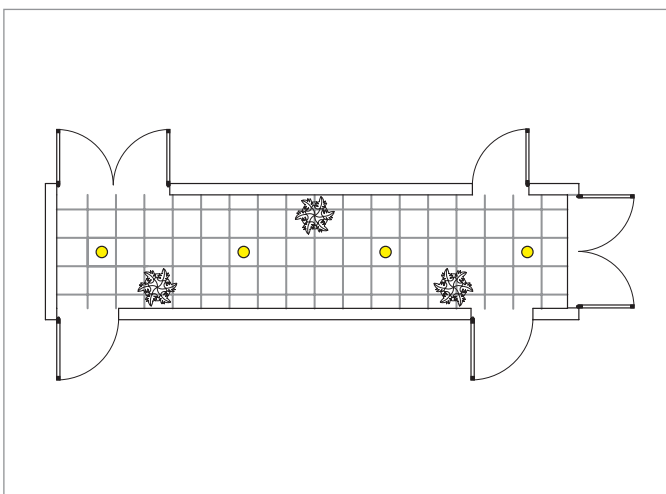
## Technical characteristics

<b>INSTALLATION</b>	Internal - false ceilings
<b>COLOUR</b>	White
<b>MATERIALS</b>	
<b>Body</b>	Steel
<b>Heat sink</b>	Aluminium extrusion
<b>Reflector</b>	Polished aluminium
<b>Shield</b>	Prismatic plastic

<b>DEGREE OF PROTECTION</b>	IP20 /IP40
<b>IMPACT RESISTANCE</b>	IK06
<b>INSULATION CLASS</b>	II
<b>LIFETIME</b>	L80 @ +25°C = 50000h
<b>MARKS</b>	CE

## Technical solutions

### Project: Hall/corridor



<b>Product</b>	<b>Astrid Round</b>
<b>Characteristics</b>	20 W - 4000 K
<b>Beam</b>	Wide
<b>Code</b>	GW S2 206
<b>Environment</b>	9 x 2 m
<b>Mounting height</b>	3 m
<b>Luminaires number</b>	4
<b>Eave on ground</b>	200 lux
<b>Glare ratio UGR</b>	< 19
<b>Interdistance</b>	2.5 x 1.0
<b>Uniformity (Emin/Av)</b>	0.60

# Astrid Square

## LED flush-mounting square downlights

This flush-mounting LED device is distinguished by its sharp square shape, and is designed for indoor commercial contexts, especially offices, hotels and accommodation facilities.

LED



Technical characteristics page 281

### ASTRID SQUARE



#### SQUARE DOWNLIGHT - 200 X 200MM



GW S2 231

#### WIRED VERSIONS WITH LED SOURCES - IP20 (IP40 FOR THE OPTICAL COMPARTMENT) - CLASS II

CONSTANT  
CURRENT  
DRIVER



EXTENDED  
WARRANTY

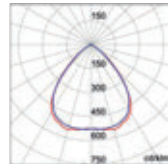


Code	System power	Colour temperature	Lumen output (lm)	Colour	Weight (kg)	Pack Carton
<b>Voltage: 220/240 V - 50/60 Hz - Stand alone</b>						
GW S2 231	19 W	3000 K (CRI 80)	2000	White	1.3	1
GW S2 236	19 W	4000 K (CRI 80)	2100	White	1.3	1
<b>Voltage: 220/240 V - 50/60 Hz - DALI</b>						
GW S2 246	19 W	4000 K (CRI 80)	2100	White	1.3	1

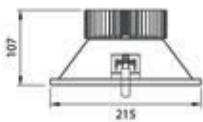
NOTES: for false ceilings 1-30 mm thick.

Due to the continuous changes with the LED technologies, the technical data can undertake variations.

#### Photometric distributions



20 W



**SQUARE RECESSED DOWNLIGHTER - 200X200 MM - EMERGENCY VERSION**

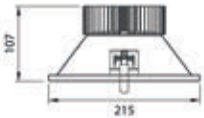


GW S2 256

**WIRED VERSIONS WITH LED SOURCES - IP20 (IP40 FOR THE OPTICAL COMPARTMENT) - CLASS II**

 CONSTANT CURRENT DRIVER			 EXTENDED WARRANTY	 EMERGENCY		
					Code	System power
<b>Voltage: 220/240 V - 50/60 Hz</b>						
GW S2 256	19 W	4000 K (CRI 80)	2100	White	1.3	1

NOTE: for false ceilings 1-40 mm thick.  
Due to the continuous changes with the LED technologies, the technical data can undertake variations.



**SQUARE DOWNLIGHT - 250 X 250MM**



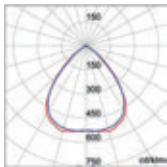
GW S2 232

**WIRED VERSIONS WITH LED SOURCE - IP20 (IP40 FOR THE OPTICAL COMPARTMENT) - CLASS II**

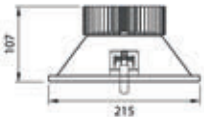
 CONSTANT CURRENT DRIVER		 EXTENDED WARRANTY				
				Code	System power	Colour temperature
<b>Voltage: 220/240 V - 50/60 Hz - Stand alone</b>						
GW S2 232	29 W	3000 K (CRI 80)	3100	White	1.6	1
GW S2 237	29 W	4000 K (CRI 80)	3250	White	1.6	1
<b>Voltage: 220/240 V - 50/60 Hz - DALI</b>						
GW S2 247	29 W	4000 K (CRI 80)	3250	White	1.6	1

NOTES: for false ceilings 1-30 mm thick.  
Due to the continuous changes with the LED technologies, the technical data can undertake variations.

**Photometric distributions**



30 W



## SQUARE RECESSED DOWNLIGHTER - 250X250 MM - EMERGENCY VERSION



GW S2 257

### WIRED VERSIONS WITH LED SOURCES - IP20 (IP40 FOR THE OPTICAL COMPARTMENT) - CLASS II

CONSTANT  
CURRENT  
DRIVER



EXTENDED  
WARRANTY



Code	System power	Colour temperature	Lumen output (lm)	Colour	Weight (kg)	Pack Carton
<b>Voltage: 220/240 V - 50/60 Hz</b>						
<b>GW S2 257</b>	29 W	4000 K (CRI 80)	3250	White	1.6	1

**NOTE:** for false ceilings 1-40 mm thick.

Due to the continuous changes with the LED technologies, the technical data can undertake variations.



GW 90 872 A

### KNX/DALI 64/16 IP GATEWAY - DIN RAIL MOUNTING

Code	Power supply	Max no. DALI units	Max no. DALI devices	No. DIN modules	Pack Carton
<b>GW 90 872 A</b>	110-240V ac - 50/60Hz, 100mA	16	64	4	1/4

**CHARACTERISTICS:** interface that - via KNX BUS - can control up to 64 lamps managed with the DALI protocol. The device is equipped with a RJ45 LAN port for configuration and/or access via IP and supplies power to the DALI line. Category 1 device (in accordance with EN 62386-103).

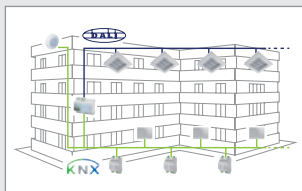
**NOTES:** equipped with coupling terminal for connection to BUS.



# Astrid Square



## INTEGRATION WITH BUILDING AUTOMATION



The DALI/KNX gateway enables the integration of lighting system management with building automation management. Just one interlocutor for the management and automation of the whole building.

## QUICK INSTALLATION



Certain technical features (fixing clips) ensure very fast, simple and stable product installation.

## EXTENDABLE WARRANTY



By registering the products of the Astrid LED range on the website [www.gewiss.com](http://www.gewiss.com) and accepting specific conditions, you can extend the warranty for up to 5 years (3 years, plus the extra 2 envisaged by law).

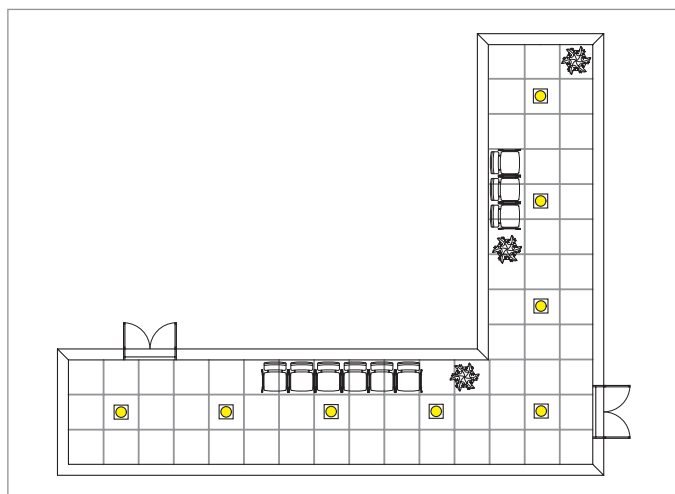
## Technical characteristics

<b>INSTALLATION</b>	Internal - false ceilings
<b>COLOUR</b>	White
<b>MATERIALS</b>	
<b>Body</b>	Steel
<b>Heat sink</b>	Aluminium extrusion
<b>Reflector</b>	Polished aluminium
<b>Shield</b>	Prismatic plastic

<b>DEGREE OF PROTECTION</b>	IP20 /IP40
<b>IMPACT RESISTANCE</b>	IK06
<b>INSULATION CLASS</b>	II
<b>LIFETIME</b>	L80 @ +25°C = 50000h
<b>MARKS</b>	CE

## Technical solutions

### Project: "L" shaped corridor



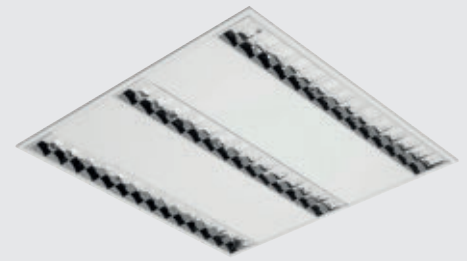
Product	Astrid Square
<b>Characteristics</b>	20 W - 3000 K
<b>Beam</b>	Wide
<b>Code</b>	GW S2 231
<b>Environment</b>	32 m <sup>2</sup>
<b>Mounting height</b>	3 m
<b>Luminaires number</b>	8
<b>Eave on ground</b>	205 Lux
<b>Glare ratio UGR</b>	< 19
<b>Interdistance</b>	2.0 x 1.0
<b>Uniformity (E<sub>min</sub>/A<sub>v</sub>)</b>	0.75

# Astrid 60x60

LED

## LED modular flush/ceiling-mounting downlights

These modular LED devices (flush-mounting or ceiling-mounting) are designed for the indoor lighting of offices and commercial sector premises. Available with diffused and Dark Light optics, Astrid 60x60 is the ideal solution for offices and congress halls where video terminals are used.



Technical characteristics page 287

### ASTRID 60 X 60



#### DOWNLIGHT 60X60 - DIFFUSED OPTIC



GW S2 506

#### WIRED VERSIONS WITH LED SOURCES - IP20 (IP40 FOR THE OPTICAL COMPARTMENT) - CLASS I

CONSTANT  
CURRENT  
DRIVER



EXTENDED  
WARRANTY

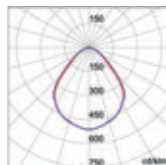
Code	System power	Colour temperature	Lumen output (lm)	Colour	Weight (kg)	Pack Carton
<b>Voltage: 220/240 V - 50/60 Hz - Stand alone</b>						
GW S2 507	22 W	4000 K (CRI 80)	3100	White	3.1	1
GW S2 506	31 W	4000 K (CRI 80)	4250	White	3.1	1
<b>Voltage: 220/240 V - 50/60 Hz - DALI</b>						
GW S2 517	22 W	4000 K (CRI 80)	3100	White	3.1	1
GW S2 516	31 W	4000 K (CRI 80)	4250	White	3.1	1

**NOTE:** device suitable for installations in modular suspended ceilings with load bearing structure 60x60.

Minimum support on the supporting structure: 10mm per side.

Due to the continuous changes with the LED technologies, the technical data can undertake variations.

#### Photometric distributions



36 W

**DOWNLIGHT 60X60 - DIFFUSED OPTIC, EMERGENCY VERSION**



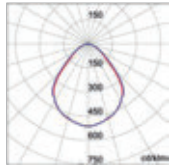
GW S2 526

**WIRED VERSIONS WITH LED SOURCES - IP20 (IP40 FOR THE OPTICAL COMPARTMENT) - CLASS I**

Code	System power	Colour temperature	Lumen output (lm)	Luminous flux in emerg. [lm]	Colour	Weight (kg)	Pack Carton
<b>Voltage: 230/240 V - 50 Hz</b>							
GW S2 527	22 W	4000 K (CRI 80)	3100	420	White	3.1	1
GW S2 526	31 W	4000 K (CRI 80)	4250	420	White	3.1	1

**NOTE:** 3 hours autonomy.  
 Device suitable for installations in modular suspended ceilings with load bearing structure 60x60.  
 Minimum support on the supporting structure: 10 mm per side.  
 Due to the continuous changes with the LED technologies, the technical data can undertake variations.

**Photometric distributions**



36 W

**DOWNLIGHT 60X60 - DARK LIGHT OPTIC**



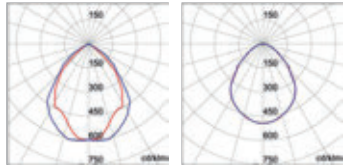
GW S2 566

**WIRED VERSIONS WITH LED SOURCES - IP20 - CLASS I**

Code	System power	Colour temperature	Lumen output (lm)	Colour	Weight (kg)	Pack Carton
<b>Voltage: 220/240 V - 50/60 Hz - Stand alone</b>						
GW S2 566	28 W	4000 K (CRI 80)	3100	White	4.3	1
<b>Voltage: 220/240 V - 50/60 Hz - DALI</b>						
GW S2 576	28 W	4000 K (CRI 80)	3100	White	4.3	1

**NOTE:** Device suitable for installations in modular suspended ceilings with load bearing structure 60x60.  
 Minimum support on the supporting structure: 10mm per side.  
 Due to the continuous changes with the LED technologies, the technical data can undertake variations.

**Photometric distributions**



32 W

32 W

# Astrid 60x60



GW S2 567

## WIRED VERSIONS WITH LED SOURCES - IP20 - CLASS I

CONSTANT  
CURRENT  
DRIVER



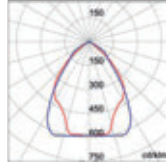
EXTENDED  
WARRANTY

Code	System power	Colour temperature	Lumen output (lm)	Colour	Weight (kg)	Pack Carton
<b>Voltage: 220/240 V - 50/60 Hz - Stand alone</b>						
GW S2 567	38 W	4000 K (CRI 80)	4100	White	5	1
<b>Voltage: 220/240 V - 50/60 Hz - DALI</b>						
GW S2 577	38 W	4000 K (CRI 80)	4100	White	5	1

**NOTE:** Device suitable for installations in modular suspended ceilings with load bearing structure 60x60. Minimum support on the supporting structure: 10mm per side.

Due to the continuous changes with the LED technologies, the technical data can undertake variations.

### Photometric distributions



39 W

## DOWNLIGHT 60X60 - DARK LIGHT OPTIC (EMERGENCY VERSION)



GW S2 586

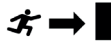
## WIRED VERSIONS WITH LED SOURCES - IP20 - CLASS I

CONSTANT  
CURRENT  
DRIVER



EXTENDED  
WARRANTY

EMERGENCY



Code	System power	Colour temperature	Lumen output (lm)	Luminous flux in emerg. [lm]	Colour	Weight (kg)	Pack Carton
<b>Voltage: 230/240 V - 50 Hz</b>							
GW S2 586	28 W	4000 K (CRI 80)	3100	290	White	4.3	1

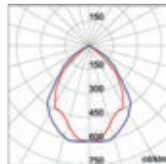
**NOTE:** 3 hours autonomy.

Device suitable for installations in modular suspended ceilings with load bearing structure 60x60.

Minimum support on the supporting structure: 10mm per side.

Due to the continuous changes with the LED technologies, the technical data can undertake variations.

### Photometric distributions



32 W



GW S2 587

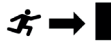
## WIRED VERSIONS WITH LED SOURCES - IP20 - CLASS I

CONSTANT  
CURRENT  
DRIVER



EXTENDED  
WARRANTY

EMERGENCY



Code	System power	Colour temperature	Lumen output (lm)	Luminous flux in emerg. [lm]	Colour	Weight (kg)	Pack Carton
<b>Voltage: 230/240 V - 50 Hz</b>							
GW S2 587	38 W	4000 K (CRI 80)	4100	320	White	5	1

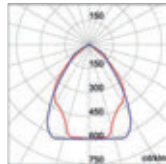
**NOTE:** 3 hours autonomy.

Device suitable for installations in modular suspended ceilings with load bearing structure 60x60.

Minimum support on the supporting structure: 10mm per side.

Due to the continuous changes with the LED technologies, the technical data can undertake variations.

### Photometric distributions



39 W

**LUMINAIRE 60X60 - DIFFUSED OPTIC**



GW S2 536

**WIRED VERSIONS WITH LED SOURCES - IP20 - CLASS I**

CONSTANT CURRENT DRIVER

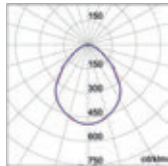


EXTENDED WARRANTY

Code	System power	Colour temperature	Lumen output (lm)	Colour	Weight (kg)	Pack Carton
<b>Voltage: 220/240 V - 50/60 Hz - Stand alone</b>						
GW S2 536	31 W	4000 K (CRI 80)	4250	White	3.5	1
<b>Voltage: 220/240 V - 50/60 Hz - DALI</b>						
GW S2 546	31 W	4000 K (CRI 80)	4250	White	3.5	1

NOTE: due to the continuous changes with the LED technologies, the technical data can undertake variations.

Photometric distributions



36 W

**LUMINAIRE 60X60 - DIFFUSED OPTIC, EMERGENCY VERSION**



GW S2 556

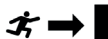
**WIRED VERSIONS WITH LED SOURCES - IP20 - CLASS I**

CONSTANT CURRENT DRIVER



EXTENDED WARRANTY

EMERGENCY

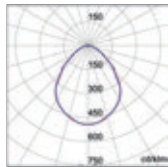


Code	System power	Colour temperature	Lumen output (lm)	Luminous flux in emerg. [lm]	Colour	Weight (kg)	Pack Carton
<b>Voltage: 230/240 V - 50 Hz</b>							
GW S2 556	31 W	4000 K (CRI 80)	4250	420	White	3.5	1

NOTES: autonomy 3h.

Due to the continuous changes with the LED technologies, the technical data can undertake variations.

Photometric distributions



36 W

# Astrid 60x60

## LUMINAIRE 60X60 - DARK LIGHT OPTIC



GW S2 606

### WIRED VERSIONS WITH LED SOURCES - IP20 - CLASS I

CONSTANT  
CURRENT  
DRIVER

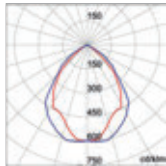


EXTENDED  
WARRANTY

Code	System power	Colour temperature	Lumen output (lm)	Colour	Weight (kg)	Pack Carton
<b>Voltage: 220/240 V - 50/60 Hz - Stand alone</b>						
GW S2 606	28 W	4000 K (CRI 80)	3100	White	4.7	1
<b>Voltage: 220/240 V - 50/60 Hz - DALI</b>						
GW S2 616	28 W	4000 K (CRI 80)	3100	White	4.7	1

NOTE: due to the continuous changes with the LED technologies, the technical data can undertake variations.

#### Photometric distributions



32 W

## LUMINAIRE 60X60 - DARK LIGHT OPTIC, EMERGENCY VERSION



GW S2 626

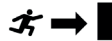
### WIRED VERSIONS WITH LED SOURCES - IP20 - CLASS I

CONSTANT  
CURRENT  
DRIVER



EXTENDED  
WARRANTY

EMERGENCY

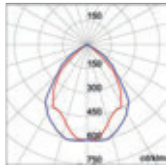


Code	System power	Colour temperature	Lumen output (lm)	Luminous flux in emerg. [lm]	Colour	Weight (kg)	Pack Carton
<b>Voltage: 230/240 V - 50 Hz</b>							
GW S2 626	28 W	4000 K (CRI 80)	3100	290	White	5.4	1

NOTE: autonomy 3h.

Due to the continuous changes with the LED technologies, the technical data can undertake variations.

#### Photometric distributions



32 W

### KNX/DALI 64/16 IP GATEWAY - DIN RAIL MOUNTING



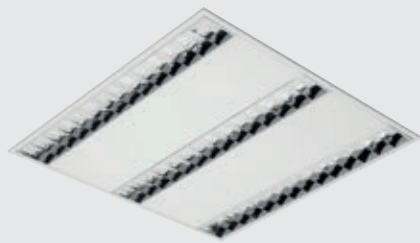
GW 90 872 A

Code	Power supply	Max no. DALI units	Max no. DALI devices	No. DIN modules	Pack Carton
GW 90 872 A	110-240V ac - 50/60Hz, 100mA	16	64	4	1/4

CHARACTERISTICS: interface that - via KNX BUS - can control up to 64 lamps managed with the DALI protocol. The device is equipped with a RJ45 LAN port for configuration and/or access via IP and supplies power to the DALI line. Category 1 device (in accordance with EN 62386-103).

NOTES: equipped with coupling terminal for connection to BUS.

# Astrid 60x60

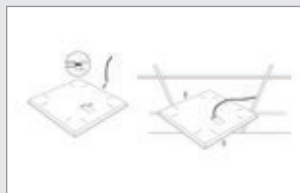


## LED TECHNOLOGY



The use of LED devices offers advantages both for the companies and for the environment, guaranteeing considerable energy savings, reduced maintenance and a focus on sustainability.

## EXTREMELY EASY ASSEMBLY



The ergonomic characteristics of Astrid 60x60 makes its installation easy, intuitive and immediate.

## ULTRA-SLIM DESIGN



Thanks to the shallow profile of its steel body, Astrid 60x60 is marked by an ultra-slim design that provides a definite style impact.

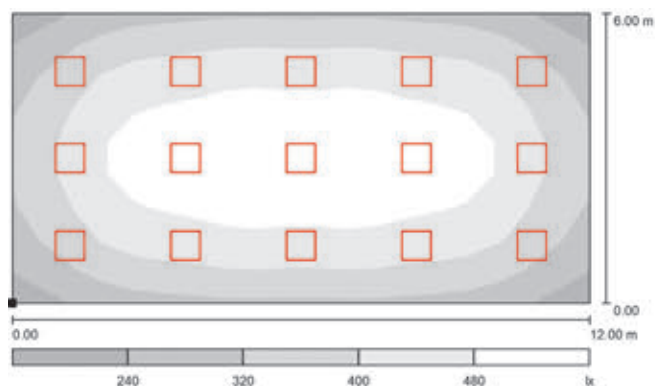
## Technical characteristics

<b>INSTALLATION</b>	Internal - false ceilings or ceiling
<b>COLOUR</b>	White
<b>MATERIALS</b>	
<b>Body</b>	Steel
<b>Reflector</b>	Plastic (where envisaged)
<b>Shield</b>	Prismatic plastic

<b>DEGREE OF PROTECTION</b>	IP20 /IP40
<b>IMPACT RESISTANCE</b>	IK03
<b>INSULATION CLASS</b>	I
<b>LIFETIME</b>	L80 @ +25°C = 50000h
<b>MARKS</b>	CE

## Technical solutions

### Project: open space areas with video terminals



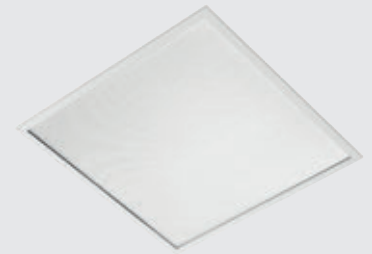
<b>Product</b>	<b>Astrid 60x60</b>
<b>Characteristics</b>	32 W - 4000 K
<b>Code</b>	GWS2566
<b>Environment</b>	12x6 m
<b>Mounting height</b>	3.5 m
<b>Luminaires number</b>	15
<b>Eave on ground</b>	416
<b>Eave on work plane</b>	505
<b>Uniformity</b>	0.78

# Astrid Full Panel LED 60x60

LED

## LED modular flush-mounting elements

The Astrid Full Panel LED 60x60 family consists of new modular flush-mounting devices designed for indoor lighting applications, in offices and commercial sector premises. With ultra-compact dimensions and a microprismatic plexiglass diffuser, these devices represent the ideal solution for installations in working environments which require high visual comfort. The family of products is further enhanced by a range of accessories, which enable ceiling-mounting and suspended installation.



**Technical characteristics page 289**

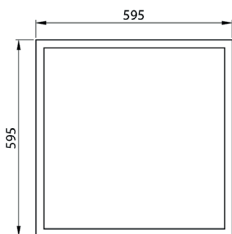
## ASTRID FULL PANEL LED 60X60



### RECESSED 60X60 - MICROPRISMATIC DIFFUSER PMMA



GW S2 901 S

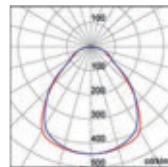


#### COMPACT LED PANELS - IP20/40 - CLASS II

Code	System power	Colour temperature	Lumen output (lm)	Colour	Weight (kg)	Pack Carton
<b>Voltage: 220/240 V - 50/60 Hz - Stand alone</b>						
GW S2 901 S	26 W	3000 K (CRI 80)	2730	White	3.1	1
GW S2 906 S	26 W	4000 K (CRI 80)	2860	White	3.1	1
<b>Voltage: 220/240 V - 50/60 Hz - DALI</b>						
GW S2 901 D	26 W	3000 K (CRI 80)	2600	White	3.1	1
GW S2 906 D	26 W	4000 K (CRI 80)	2730	White	3.1	1
<b>Voltage: 220/240 V - 50/60 Hz - Stand alone</b>						
GW S2 902 S	36 W	3000 K (CRI 80)	3780	White	3.1	1
GW S2 907 S	36 W	4000 K (CRI 80)	3960	White	3.1	1
<b>Voltage: 220/240 V - 50/60 Hz - DALI</b>						
GW S2 902 D	36 W	3000 K (CRI 80)	3780	White	3.1	1
GW S2 907 D	36 W	4000 K (CRI 80)	3960	White	3.1	1

**NOTE:** Emergency kit 3 hours, available on request.

#### Photometric distributions



#### ACCESSORIES

Code	Description	Dimensions (mm)	Pack Carton
GW S2 993	KIT 4 clips for recessed in false ceiling installation		1
GW S2 994	Surface mounting box 60x60	598x50	1
GW S2 995	Surface mounting kit 4C		1
GW S2 996	Suspension 4 cables kit		1

News



# Astrid Full Panel LED 60x60



ULTRA-COMPACT DESIGN



Elegant range of LED panels featuring extremely compact dimensions, easy installation

IDEAL FOR REPLACING DEVICES WHICH USE TRADITIONAL TECHNOLOGY



The lighting performance offered by these devices means they can be used to replace traditional 4x18W flush-mounting devices

MICROPRISMATIC PLEXIGLASS SCREEN



Microprismatic screen for increased control of glare

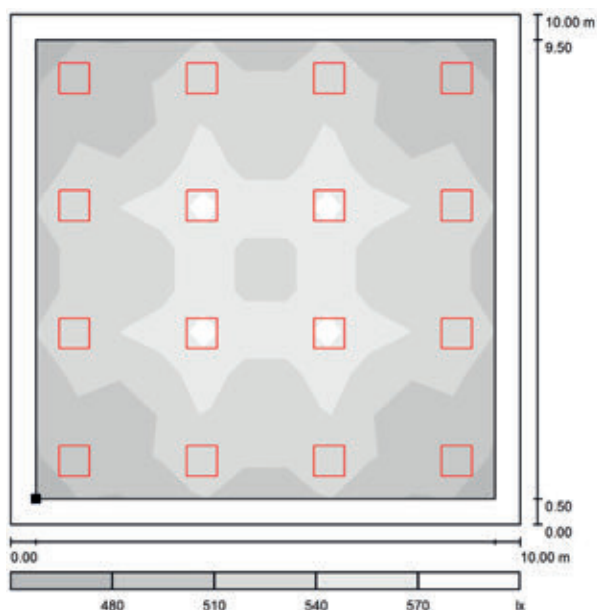
## Technical characteristics

<b>INSTALLATION</b>	Indoor - false ceiling or ceiling-mounting
<b>COLOUR</b>	White
<b>MATERIALS</b>	
<b>Body</b>	Steel
<b>Reflector</b>	Plexiglass
<b>Diffuser</b>	Prismatic plexiglass

<b>DEGREE OF PROTECTION</b>	IP20 /IP40
<b>IMPACT RESISTANCE</b>	IK03
<b>INSULATION CLASS</b>	II
<b>LIFETIME</b>	L80 @ +25°C = 50000h
<b>MARKS</b>	CE
<b>UGR&lt;19</b>	

## Installation solutions

### Project: Open space office applications



<b>Product</b>	<b>Astrid Full Panel LED 60x60</b>
<b>Characteristics</b>	36W - 4000K
<b>Code</b>	GWS2907S
<b>Environment</b>	10x10m
<b>Installation height</b>	2.80 m
<b>No. of devices</b>	16
<b>Average illumination at ground level</b>	445
<b>Average illumination in the work area</b>	522
<b>Uniformity</b>	0.88

# Astrid 30x120

LED

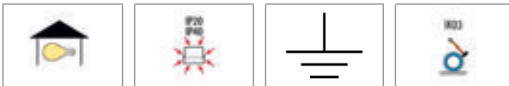
## LED flush-mounting modular devices

These modular LED devices (flush-mounting or ceiling-mounting) are designed for the indoor lighting of offices and commercial sector premises. Available with diffused and Dark Light optics, Astrid 30x120 is the ideal solution for offices and congress halls where video terminals are used.



Technical characteristics page 292

## ASTRID 30X120



### RECESSED 30X120 - DIFFUSED OPTIC



GW S2 706

#### WIRED VERSIONS WITH LED SOURCES - IP20 (IP40 FOR THE OPTICAL COMPARTMENT) - CLASS I

CONSTANT  
CURRENT  
DRIVER

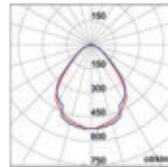


EXTENDED  
WARRANTY

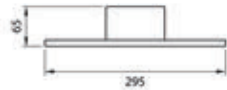
Code	System power	Colour temperature	Lumen output (lm)	Colour	Weight (kg)	Pack Carton
<b>Voltage: 220/240 V - 50/60 Hz - Stand alone</b>						
GW S2 706	31 W	4000 K (CRI 80)	4250	White	4.1	1
<b>Voltage: 220/240 V - 50/60 Hz - DALI</b>						
GW S2 716	31 W	4000 K (CRI 80)	4250	White	4.1	1

NOTES: device suitable for installations in modular suspended ceilings with load bearing structure 30x120. Due to the continuous changes with the LED technologies, the technical data can undertake variations.

#### Photometric distributions



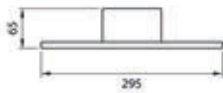
36 W



**RECESSED 30X120 - DARK LIGHT OPTIC**



GW 52 736



**WIRED VERSIONS WITH LED SOURCES - IP20 (IP40 FOR THE OPTICAL COMPARTMENT) - CLASS I**

CONSTANT  
CURRENT  
DRIVER

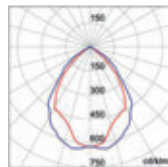


EXTENDED  
WARRANTY

Code	System power	Colour temperature	Lumen output (lm)	Colour	Weight (kg)	Pack Carton
<b>Voltage: 220/240 V - 50/60 Hz - Stand alone</b>						
GW 52 736	29 W	4000 K (CRI 80)	3200	White	4.1	1
<b>Voltage: 220/240 V - 50/60 Hz - DALI</b>						
GW 52 746	29 W	4000 K (CRI 80)	3200	White	4.1	1

**NOTES:** device suitable for installations in modular suspended ceilings with load bearing structure 30x120. Due to the continuous changes with the LED technologies, the technical data can undertake variations.

**Photometric distributions**



33 W

**KNX/DALI 64/16 IP GATEWAY - DIN RAIL MOUNTING**



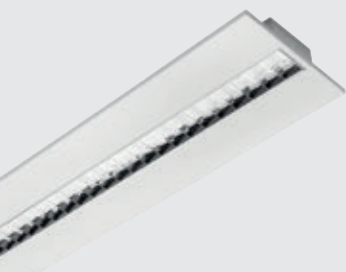
GW 90 872 A

Code	Power supply	Max no. DALI units	Max no. DALI devices	No. DIN modules	Pack Carton
GW 90 872 A	110-240V ac - 50/60Hz, 100mA	16	64	4	1/4

**CHARACTERISTICS:** interface that - via KNX BUS - can control up to 64 lamps managed with the DALI protocol. The device is equipped with a RJ45 LAN port for configuration and/or access via IP and supplies power to the DALI line. Category 1 device (in accordance with EN 62386-103).

**NOTES:** equipped with coupling terminal for connection to BUS.

# Astrid 30x120



## LIGHTING FOR THE WORK ENVIRONMENT



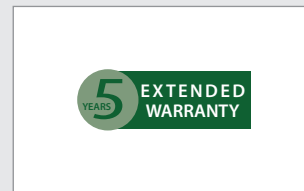
The optics available (diffused and dark light), and the glare indicator UGR < 19, make Astrid 30x120 the ideal solution for work environment lighting.

## ENERGY SAVINGS



The use of the latest LED lamps guarantees excellent system efficiency and allows you to replace traditional fluorescent devices with power levels up to 4x24 W

## EXTENDABLE WARRANTY



Recording the products of the range Astrid LED on the site [www.gewiss.com](http://www.gewiss.com) and by accepting specific conditions Extended warranty up to 5 years (three years plus the two required by law).

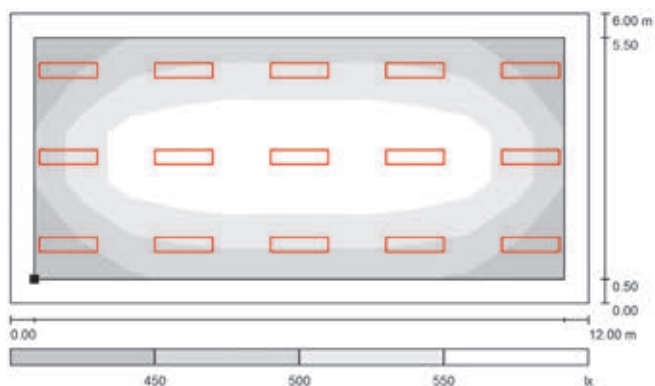
## Technical characteristics

<b>INSTALLATION</b>	Internal - false ceilings
<b>COLOUR</b>	White
<b>MATERIALS</b>	
<b>Body</b>	Steel
<b>Reflector</b>	Plastic (where envisaged)
<b>Shield</b>	Prismatic plastic

<b>DEGREE OF PROTECTION</b>	IP20 /IP40
<b>IMPACT RESISTANCE</b>	IK03
<b>INSULATION CLASS</b>	I
<b>LIFETIME</b>	L80 @ +25°C = 50000h
<b>MARKS</b>	CE

## Technical solutions

### Project: open space areas with video terminals



<b>Product</b>	<b>Astrid 30x120</b>
<b>Characteristics</b>	33 W - 4000 K
<b>Code</b>	GWS2736
<b>Environment</b>	12x6 m
<b>Mounting height</b>	3.5 m
<b>Luminaires number</b>	15
<b>Eave on ground</b>	430
<b>Eave on work plane</b>	520
<b>Uniformity</b>	0.78

# Astrid Full Panel LED 30x120

LED

## LED modular flush-mounting elements

The Astrid Full Panel LED 30x120 family consists of new modular flush-mounting devices designed for indoor lighting applications, in offices and commercial sector premises. With ultra-compact dimensions and a microprismatic plexiglass screen, these devices represent the ideal solution for installations in working environments which require high visual comfort. The family of products is further enhanced by a range of accessories, which enable ceiling-mounting and suspended installation.



**Technical characteristics page 294**

## ASTRID FULL PANEL LED 30X120



### RECESSED 30X120 - MICROPRISMATIC DIFFUSER PMMA



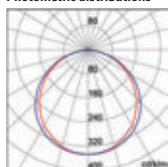
GW S2 921 S

#### COMPACT LED PANELS - IP20/40 - CLASS II

Code	System power	Colour temperature	Lumen output (lm)	Colour	Weight (kg)	Pack Carton
<b>Voltage: 220/240 V - 50/60 Hz - Stand alone</b>						
GW S2 921 S	40 W	3000 K (CRI 80)	3450	White	3.4	1
GW S2 922 S	40 W	4000 K (CRI 80)	3630	White	3.4	1
<b>Voltage: 220/240 V - 50/60 Hz - DALI</b>						
GW S2 921 D	40 W	3000 K (CRI 80)	3450	White	3.4	1
GW S2 922 D	40 W	4000 K (CRI 80)	3630	White	3.4	1

**NOTE:** Emergency kit 3 hours, available on request.

#### Photometric distributions



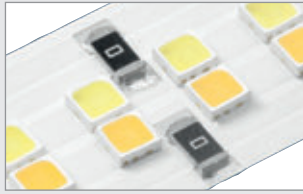
#### ACCESSORIES

Code	Description	Dimensions (mm)	Pack Carton
GW S2 993	KIT 4 clips for recessed in false ceiling installation		1
GW S2 998	Surface mounting box 30x120	1198x50	1
GW S2 995	Surface mounting kit 4C		1
GW S2 996	Suspension 4 cables kit		1

News

# Astrid Full Panel LED 30x120

## ENERGY SAVINGS



The use of latest-generation LED light sources provides a high system and enables the replacement of traditional fluorescent devices with power up to 2x36W.

## ELEGANT DESIGN



Ultra-slim panel with an elegant design, ideal for prestigious spaces and meeting rooms.

## EXTREME MANAGEABILITY



Thanks to its compact design and low weight, installation is extremely easy.

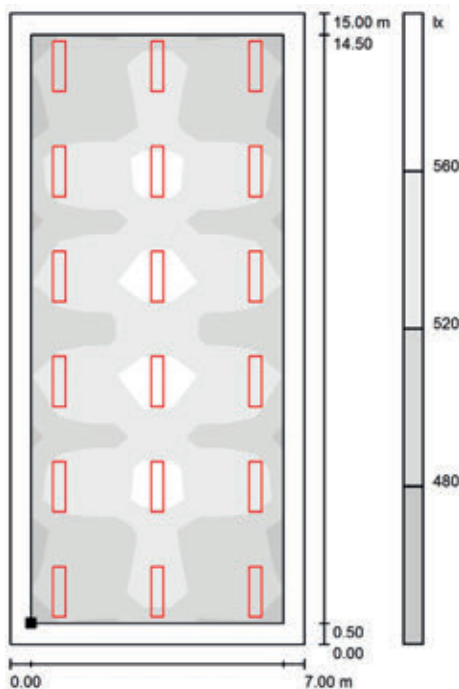
## Technical characteristics

<b>INSTALLATION</b>	Indoor - false ceiling
<b>COLOUR</b>	White
<b>MATERIALS</b>	
<b>Body</b>	Steel
<b>Reflector</b>	Plexiglass
<b>Diffuser</b>	Prismatic plexiglass

<b>DEGREE OF PROTECTION</b>	IP20 /IP40
<b>IMPACT RESISTANCE</b>	IK03
<b>INSULATION CLASS</b>	II
<b>LIFETIME</b>	L80 @ +25°C = 50000h
<b>MARKS</b>	CE

## Installation solutions

### Project: Open space office applications



<b>Product</b>	<b>Astrid Full Panel LED 30x120</b>
<b>Characteristics</b>	40 W - 4000 K
<b>Code</b>	GWS29225S
<b>Environment</b>	15x7m
<b>Installation height</b>	2.80 m
<b>No. of devices</b>	18
<b>Average illumination at ground level</b>	449
<b>Average illumination in the work area</b>	522
<b>Uniformity</b>	0.85

# Iride



## Ceiling-mounting luminaires for indoor

This decorative rectangular luminaire for indoor use has a sheet steel support for quick fixing and can be installed on walls or ceilings. The diffuser is made of opal PMMA with a satin finish, and has a bayonet coupling on three supports strengthened with stainless steel springs. The support is in white powder-painted sheet steel.



Technical characteristics page 296

### IRIDE



### LED VERSIONS



GW S2 421



#### WIRED VERSIONS WITH 4000-LUMEN LED LIGHT SOURCES - IP40 - CLASS I

CONSTANT  
CURRENT  
DRIVER

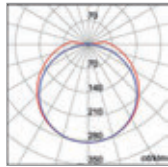


EXTENDED  
WARRANTY

Code	Lamp	Colour temperature	LED current	System power	Lumen output (lm)	Dimensions AxBxC (mm)	Weight (kg)	Pack Carton
<b>Voltage: 220/240 V - 50/60 Hz - Stand alone</b>								
GW S2 421	LED	4000 K (CRI 84)	500 mA	40 W	2040	625x110x75	3	1/20

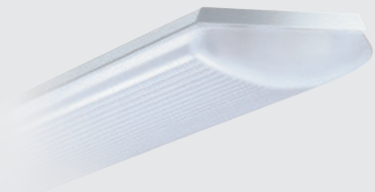
NOTE: due to the continuous changes with the LED technologies, the technical data can undertake variations.

#### Photometric distributions



40 W

# Iride



## SIMPLIFIED OPENING



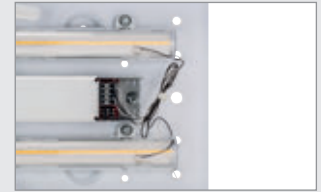
The safety of the opening is ensured by the fixing hooks between the diffuser and the body. Rotating the hook allows you to detach the shield, to carry out any installation or maintenance work.

## DESIGN



The curved profile design and opalescent diffuser allow perfect integration in any installation context. The range, which consists of 3 different sizes, offers solutions for rooms used for various purposes.

## LED VERSIONS



In addition to traditional fluorescent lamps, are available new versions LED 40 W of power.

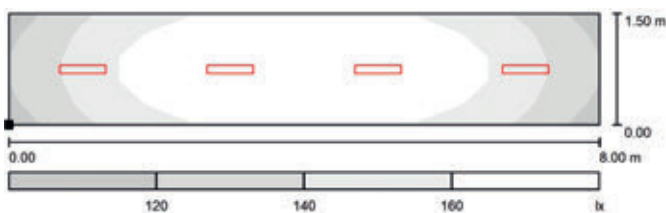
## Technical characteristics

<b>INSTALLATION</b>	Internal
<b>COLOUR</b>	White
<b>MATERIALS</b>	
<b>Body</b>	Steel plate
<b>Shield</b>	PMMA

<b>DEGREE OF PROTECTION</b>	IP40
<b>IMPACT RESISTANCE</b>	IK07
<b>INSULATION CLASS</b>	I
<b>LIFETIME</b>	B50L70 @ +25°C = 30000h
<b>MARKS</b>	CE

## Technical solutions

### Project: Hall/corridor



<b>Product</b>	<b>Iride</b>
<b>Characteristics</b>	40 W
<b>Code</b>	GW S2 421
<b>Environment</b>	8x1.5 m
<b>Mounting height</b>	3.5 m
<b>Luminaires number</b>	15
<b>Eave on ground</b>	110
<b>Uniformity</b>	0.8



# Manta

LED

## Decorative devices for indoor

Decorative luminaire for indoor installation, suitable for surface-mounting or ceiling-mounting and even on potentially flammable surfaces as the temperatures on the assembly surface are below the limits envisaged. The diffuser is made of opal PMMA with a satin finish, and has a bayonet coupling on three supports strengthened with stainless steel springs. The support is in white powder-painted sheet steel.



Technical characteristics page 302

## MANTA 29



### STANDARD VERSIONS



GW 80 571

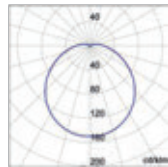


### WIRED VERSIONS FOR FLUORESCENT LAMPS - IP40 - CLASS I



Code	No. of lamps	Lamp power	Lamp	Lamp holder	Diffusor type	Dimensions (mm)	Weight (kg)	Pack Carton
<b>Voltage: 230 V - 50 Hz</b>								
GW 80 571	1	18 W	FSQ	G24d-2	Opal	Ø 290	1	1

#### Photometric distributions



18 W FSQ



GW 80 574



### UNWIRED VERSIONS



Code	Max lamp power	Diffusor type	Dimensions (mm)	Weight (kg)	Pack Carton
GW 80 574	1x18 W	Opal	Ø 290	0.6	1

ACCESSORIES SUPPLIED: structural components: body and diffuser; electrical components: terminal block.

# Manta

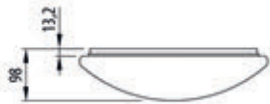
## MANTA 36



### STANDARD VERSION



GW 80 576



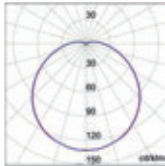
### WIRED VERSIONS FOR FLUORESCENT LAMPS - IP40 - CLASS I



Code	No. of lamps	Lamp power	Lamp	Lamp holder	Diffusor type	Dimensions (mm)	Weight (kg)	Pack Carton
<b>Voltage: 230 V - 50 Hz</b>								
GW 80 576	2	13 W	FSQ	G24d-1	Opal	Ø 360	1.7	1

NOTES: version prearranged for dual ignition 1+1.

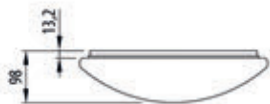
#### Photometric distributions



13 W FSQ



GW 80 579



### UNWIRED VERSIONS



Code	Max lamp power	Diffusor type	Dimensions (mm)	Weight (kg)	Pack Carton
GW 80 579	2x13 W	Opal	Ø 360	1.2	1

ACCESSORIES SUPPLIED: structural components: body and diffuser; electrical components: terminal block.

**LED VERSIONS**



GW S2 411



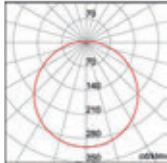
**WIRED VERSIONS WITH 1300-LUMEN LED LIGHT SOURCES - IP40 - CLASS I**



Code	System power	Lamp	Colour temperature	Lumen output (lm)	Diffusor type	Dimensions (mm)	Weight (kg)	Pack Carton
<b>Voltage: 220/240 V - 50/60 Hz - Stand alone</b>								
GW S2 411	18 W	LED	4000 K	870	Opal	Ø 360	1.9	1

**NOTE:** due to the continuous changes with the LED technologies, the technical data can undertake variations.

**Photometric distributions**

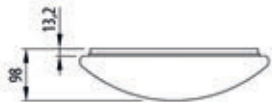


18 W

**LED VERSIONS - MOTION DETECTOR**



GW S2 416



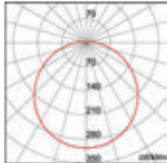
**WIRED VERSIONS WITH 1300-LUMEN LED LIGHT SOURCES - IP40 - CLASS I**



Code	System power	Lamp	Colour temperature	Lumen output (lm)	Diffusor type	Dimensions (mm)	Weight (kg)	Pack Carton
<b>Voltage: 220/240 V - 50/60 Hz</b>								
GW S2 416	18 W	LED	4000 K	870	Opal	Ø 360	2	1

**NOTE:** due to the continuous changes with the LED technologies, the technical data can undertake variations.

**Photometric distributions**



18 W

# Manta

## MANTA 44



### STANDARD VERSIONS



GW 80 581



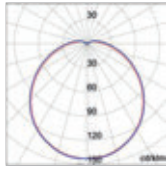
### WIRED VERSIONS FOR FLUORESCENT LAMPS - IP40 - CLASS I



Code	No. of lamps	Lamp power	Lamp	Lamp holder	Diffusor type	Dimensions (mm)	Weight (kg)	Pack Carton
<b>Voltage: 230 V - 50 Hz</b>								
GW 80 581	3	13 W	FSQ	G24d-1	Opal	Ø 440	2.3	1

NOTES: version prearranged for dual ignition 2 + 1.

#### Photometric distributions



13 W FSQ



GW 80 584



### UNWIRED VERSIONS



Code	Max lamp power	Diffusor type	Dimensions (mm)	Weight (kg)	Pack Carton
GW 80 584	3x13 W	Opal	Ø 440	1.5	1

ACCESSORIES SUPPLIED: structural components: body and diffuser; electrical components: terminal block.

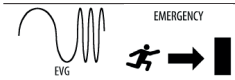
**EMERGENCY VERSIONS**



GW 80 585



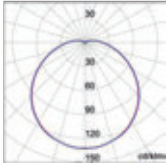
**WIRED VERSIONS FOR FLUORESCENT LAMPS - IP40 - CLASS I**



Code	No. of lamps	Lamp power	Lamp	Lamp holder	Luminous flux in emerg. [lm]	Weight (kg)	Pack Carton
<b>Voltage: 220/240 V - 50/60 Hz</b>							
GW 80 585	1	26 W	FSQ	G24q-3	135	1.8	1

**NOTE:** NiCd batteries for high temperatures - 1h autonomy.

**Photometric distributions**



26 W FSQ

# Manta

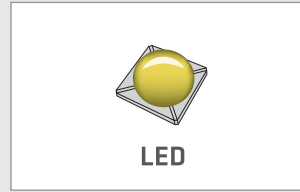


## RANGE



The range contains three different sizes to meet all installation requirements in rooms used for various purposes.

## ENERGY SAVINGS



Manta uses efficient compact fluorescent lamps or the latest generation LED sources that guarantee considerable energy savings in comparison to incandescent lamps.

## DUAL IGNITION



MANTA 36 (2 x 13W) and MANTA 44 (3 x 13W) are pre-arranged for dual ignition, although this can always be excluded by means of a jumper on the wiring terminal.

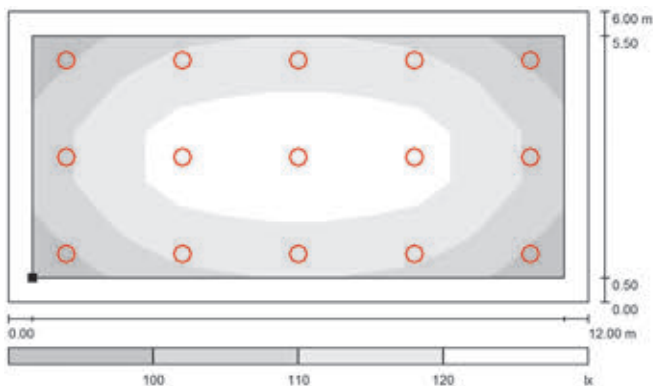
## Technical characteristics

<b>INSTALLATION</b>	Internal
<b>COLOUR</b>	White
<b>MATERIALS</b>	
<b>Body</b>	Steel plate
<b>Shield</b>	PMMA

<b>DEGREE OF PROTECTION</b>	IP40
<b>IMPACT RESISTANCE</b>	IK06
<b>INSULATION CLASS</b>	I
<b>LIFETIME</b>	B50L70 @ +25°C = 30000h
<b>MARKS</b>	CE

## Technical solutions

### Project: rooms for relaxation



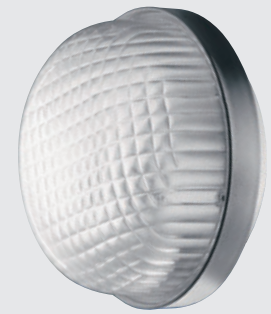
<b>Product</b>	<b>Manta</b>
<b>Characteristics</b>	18 W
<b>Code</b>	GWS2411
<b>Environment</b>	8x1.5 m
<b>Mounting height</b>	3.5 m
<b>Luminaires number</b>	15
<b>Eave on ground</b>	110
<b>Uniformity</b>	0.8

# Bolla/Guscio

LED

## Watertight compact ceiling mounting luminaires

Protected, compact, watertight ceiling-mounting luminaires made entirely of polycarbonate. Suitable for both indoor and outdoor installation. Characterised by their high level of mechanical impact resistance and electrical safety.

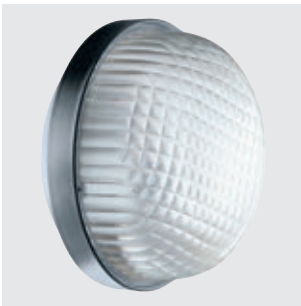


Technical characteristics page 312

### BOLLA



#### BOLLA 200



GW 80 761

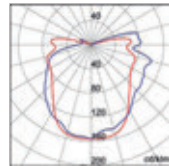


#### VERSIONS WITH EDISON LAMP HOLDER - IP55 - CLASS II

Code	Max lamp power	Lamp holder	Colour	Weight (kg)	Pack Carton
GW 80 761	60 W	E27	Graphite grey	0.4	1/10
GW 80 616	60 W	E27	Grey RAL 7035	0.4	1/10

NOTES: Max lamp length 110mm.

#### Photometric distributions



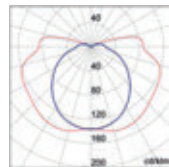
60 W

#### WIRED VERSIONS FOR FLUORESCENT LAMPS - IP55 - CLASS II - ELECTRONIC POWER SUPPLY

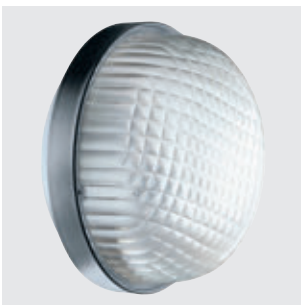


Code	No. of lamps	Lamp power	Lamp holder	Lamp holder	Colour	Weight (kg)	Pack Carton
<b>Voltage: 230 / 240 V - 50 / 60 Hz</b>							
GW 80 591	1	13 W	FSQ	G24q-1	Grey RAL 7035	0.5	1/10

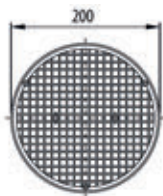
#### Photometric distributions



13 W FSQ



GW 80 591

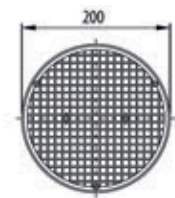


# Bolla

## BOLLA 200 - LED VERSIONS



GW 81 001



### WIRED VERSIONS WITH 1000 LUMEN LED LIGHT SOURCES - IP55 - CLASS II

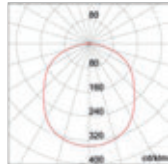
CONSTANT  
CURRENT  
DRIVER



Code	System power	Lamp supplied	Colour temperature	Lumen output (lm)	Colour	Weight (kg)	Pack Carton
<b>Voltage: 220/240 V - 50/60 Hz</b>							
GW 81 001	15 W	LED	3000 K	650	Graphite grey	1	1/8
GW 81 002	15 W	LED	4000 K	700	Graphite grey	1	1/8

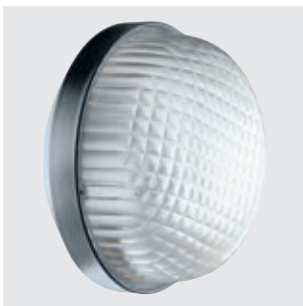
**NOTE:** due to the continuous changes with the LED technologies, the technical data can undertake variations.

#### Photometric distributions

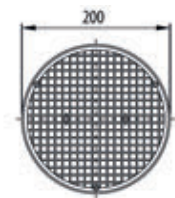


15 W

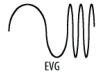
## BOLLA 200 - LED VERSIONS - MOTION DETECTOR



GW 81 006



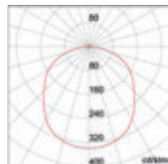
### WIRED VERSIONS WITH 1000 LUMEN LED LIGHT SOURCES - IP55 - CLASS II



Code	System power	Lamp supplied	Colour temperature	Lumen output (lm)	Colour	Weight (kg)	Pack Carton
<b>Voltage: 230 V - 50 Hz</b>							
GW 81 006	15 W	LED	3000 K	650	Graphite grey	1	1/8
GW 81 007	15 W	LED	4000 K	700	Graphite grey	1	1/8

**NOTE:** due to the continuous changes with the LED technologies, the technical data can undertake variations.

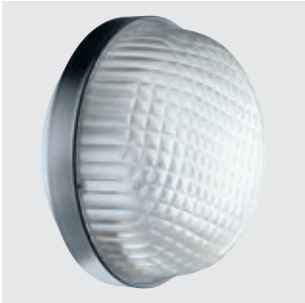
#### Photometric distributions



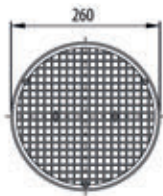
15 W



**BOLLA 260**



GW 80 763

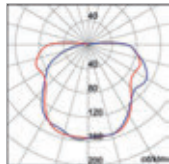


**VERSIONS WITH EDISON LAMP-HOLDERS - IP55 - CLASS II**

Code	Max lamp power	Lamp holder	Colour	Weight (kg)	Pack Carton
GW 80 763	100 W	E27	Graphite grey	0.7	1/4
GW 80 622	100 W	E27	Grey RAL 7035	0.7	1/4

NOTES: Max lamp length 160mm.

**Photometric distributions**



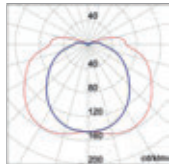
100 W

**WIRED VERSIONS FOR FLUORESCENT LAMPS - IP55 - CLASS II - ELECTRONIC POWER SUPPLY**

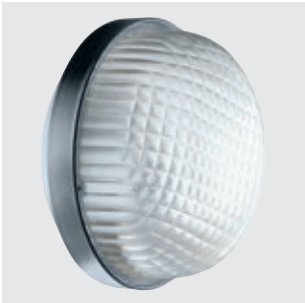


Code	No. of lamps	Lamp power	Lamp	Lamp holder	Colour	Weight (kg)	Pack Carton
<b>Voltage: 230 / 240 V - 50 / 60 Hz</b>							
GW 80 592	2	13 W	FSQ	G24q-1	Grey RAL 7035	1	1/4

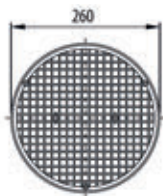
**Photometric distributions**



13 W FSQ



GW 80 592

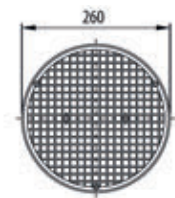


# Bolla

## BOLLA 260 - LED VERSIONS



GW 81 011



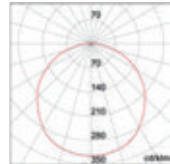
### WIRED VERSIONS WITH 2000 LUMEN LED LIGHT SOURCES - IP55 - CLASS II



Code	System power	Lamp supplied	Colour temperature	Lumen output (lm)	Colour	Weight (kg)	Pack Carton
<b>Voltage: 220/240 V - 50/60 Hz</b>							
GW 81 011	25 W	LED	3000 K	1620	Graphite grey	1	1/6
GW 81 012	25 W	LED	4000 K	1760	Graphite grey	1	1/6

**NOTE:** due to the continuous changes with the LED technologies, the technical data can undertake variations.

#### Photometric distributions

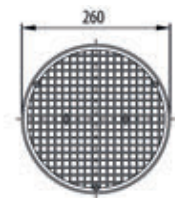


25 W

## BOLLA 260 - LED VERSIONS - MOTION DETECTOR



GW 81 016



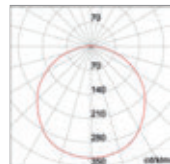
### WIRED VERSIONS WITH 2000 LUMEN LED LIGHT SOURCES - IP55 - CLASS II



Code	System power	Lamp supplied	Colour temperature	Lumen output (lm)	Colour	Weight (kg)	Pack Carton
<b>Voltage: 230 V - 50 Hz</b>							
GW 81 016	25 W	LED	3000 K	1620	Graphite grey	1	1/6
GW 81 017	25 W	LED	4000 K	1760	Graphite grey	1	1/6

**NOTE:** due to the continuous changes with the LED technologies, the technical data can undertake variations.

#### Photometric distributions



25 W

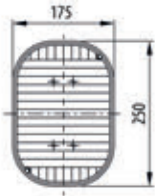
**GUSCIO**



**GUSCIO 250**



GW 80 771

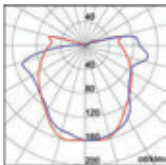


**VERSIONS WITH LAMP-HOLDERS EDISON - IP55 - CLASS II**

Code	Max lamp power	Lamp holder	Colour	Weight (kg)	Pack Carton
GW 80 771	60 W	E27	Graphite grey	0.5	1/10
GW 80 601	60 W	E27	Grey RAL 7035	0.5	1/10

NOTES: Max lamp length 160mm.

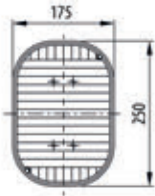
**Photometric distributions**



60 W



GW 80 772

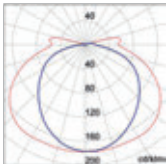


**WIRED VERSIONS FOR FLUORESCENT LAMPS - IP55 - CLASS II**



Code	No. of lamps	Lamp power	Lamp	Lamp holder	Colour	Weight (kg)	Pack Carton
<b>Voltage: 230 V - 50 Hz</b>							
GW 80 772	1	9 W	FSD	G23	Graphite grey	0.9	1/10
GW 80 604	1	9 W	FSD	G23	Grey RAL 7035	0.9	1/10

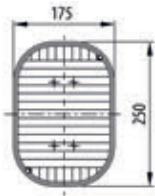
**Photometric distributions**



1 lamp



GW 80 646

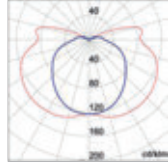


## WIRED VERSIONS FOR FLUORESCENT LAMPS - IP55 - CLASS II - ELECTRONIC POWER SUPPLY



Code	No. of lamps	Lamp power	Lamp	Lamp holder	Colour	Weight (kg)	Pack Carton
<b>Voltage: 230 / 240 V - 50 / 60 Hz</b>							
GW 80 646	1	13 W	FSQ	G24q-1	Grey RAL 7035	0.7	1/10

### Photometric distributions

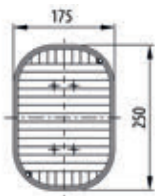


13 W FSQ

## GUSCIO 250 - CREPUSCOLAR



GW 80 644



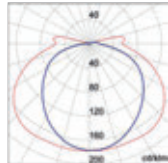
## WIRED VERSIONS - PHOTO-ELECTRIC CELL - IP55 - CLASS II



Code	No. of lamps	Lamp power	Lamp	Lamp holder	Colour	Weight (kg)	Pack Carton
<b>Voltage: 230 V - 50 Hz</b>							
GW 80 644	1	9 W	FSD	G23	Grey RAL 7035	1	1/6

**CHARACTERISTICS:** photo-electric cell with adjustable tripping threshold (from 5 to 120 lux).

### Photometric distributions

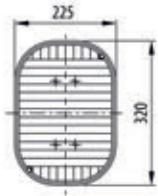


1 lamp

**GUSCIO 320**



GW 80 774

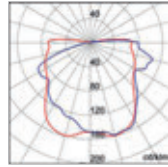


**VERSIONS WITH LAMP-HOLDERS EDISON - IP55 - CLASS II**

Code	Max lamp power	Lamp	Lamp holder	Colour	Weight (kg)	Pack Carton
<b>GW 80 774</b>	100 W	IA/IB / FBT	E27	Graphite grey	0.9	1/6
<b>GW 80 610</b>	100 W	IA/IB / FBT	E27	Grey RAL 7035	0.9	1/6

NOTES: Max lamp length 210mm.

**Photometric distributions**



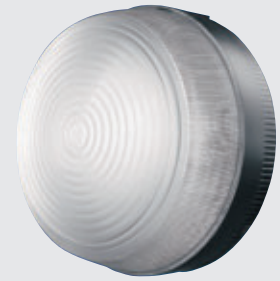
100 W IA

# Tonda ES



## Protected ceiling mounting luminaires

Protected, compact, watertight ceiling-mounting luminaires made entirely of polycarbonate. Suitable for both indoor and outdoor installation. Characterised by their high level of mechanical impact resistance and electrical safety.



**Technical characteristics page 312**

## TONDA ES



### TONDA ES 180



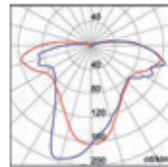
GW 80 651

#### VERSIONS WITH EDISON LAMP HOLDERS - IP44 - CLASS II

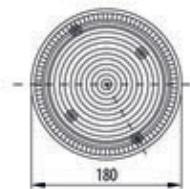
Code	Max lamp power	Lamp holder	Colour	Weight (kg)	Pack Carton
GW 80 651	60 W	E27	Grey RAL 7035	0.3	1/24

NOTES: Max lamp length 100mm.

#### Photometric distributions



60 W



**TONDA ES 230**



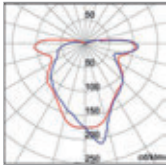
GW 80 652

**VERSIONS WITH EDISON LAMP-HOLDERS - IP44 - CLASS II**

Code	Max lamp power	Lamp holder	Colour	Weight (kg)	Pack Carton
GW 80 652	100 W	E27	Grey RAL 7035	0.4	1/14

NOTES: Max lamp length 130mm.

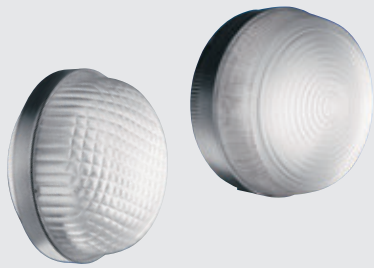
**Photometric distributions**



100 W



# Bolla/Guscio - Tonda ES



## ENERGY SAVINGS



The luminaires with light sensitive sensor (with variable threshold, from 5 to 120 lx) are designed to prevent any waste of energy, guaranteeing the light only comes on during the night.

## LED VERSIONS



The BOLLA luminaire is now available also in LED versions in the Stand Alone configuration or with a presence sensor.

## INSTALLATION FLEXIBILITY



Every model of the TONDA ES range offers a double possibility of power supply input, in the lower or side part of the luminaire.

## BOLLA/GUSCIO

### Technical characteristics

<b>INSTALLATION</b>	Internal / External
<b>COLOUR</b>	Graphite grey or grey RAL7035
<b>MATERIALS</b>	
<b>Body</b>	PC
<b>Reflector</b>	PC
<b>Shield</b>	PC

<b>DEGREE OF PROTECTION</b>	IP55
<b>IMPACT RESISTANCE</b>	IK10
<b>INSULATION CLASS</b>	II
<b>LIFETIME</b>	
<b>MARKS</b>	CE

## TONDA ES

### Technical characteristics

<b>INSTALLATION</b>	Internal / External
<b>COLOUR</b>	Grey RAL7035
<b>MATERIALS</b>	
<b>Body</b>	PC
<b>Shield</b>	PC

<b>DEGREE OF PROTECTION</b>	IP44
<b>IMPACT RESISTANCE</b>	IK10
<b>INSULATION CLASS</b>	II
<b>MARKS</b>	CE



# Startec NET

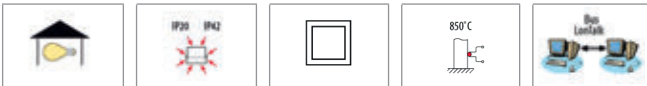
## Autonomous, centrally managed emergency devices - BUS LonTalk

These autonomous emergency devices are ideal for creating centralised emergency systems with the LonTalk communication protocol. Apart from ensuring the possibility of expansion and remote access, the range includes a choice of luminaires (surface mounting, ceiling mounting, double-sided and flush-mounting).



Technical characteristics page 317

### DOUBLE SIDED DEVICES - LED



### FOR WALL OR CEILING MOUNTING - MAINTAINED LIGHTING - M



GW 81 661

#### STARTEC NET - M - IP42 - CLASS II



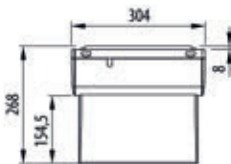
Code	Lamp power	Lamp supplied	Autonomy	Visibility range (m)	Body colour	Weight (kg)	Pack Carton
<b>Voltage: 230 V - 50 / 60 Hz</b>							
GW 81 661	3 W	LED	1 h	28	White	1.5	1/4
GW 81 662	3 W	LED	3 h	28	White	1.6	1/4
GW 81 663	3 W	LED	1 h	28	Titanium grey	1.5	1/4
GW 81 664	3 W	LED	3 h	28	Titanium grey	1.6	1/4

**NOTES:** for wall-mounting, the product must be completed with the special fixing brackets.

For ceiling assembly, fixing brackets are not needed.

Visibility distance in accordance with Standard EN 1838. Label not included.

**GENERAL NOTES:** The devices of the STARTEC NET range are designed to work with a centralised BUS LonTalk system, so they must be initialised via the NEMO DIN PLUS control unit.



# Startec NET

## FOR WALL OR CEILING MOUNTING - MAINTAINED LIGHTING - M WITH DIRECTIONAL SPOTLIGHT



GW 81 671

### STARTEC NET - M - IP42 - CLASS II



Code	Lamp power	Lamp supplied	Autonomy	Visibility range (m)	Body colour	Weight (kg)	Pack Carton
<b>Voltage: 230 V - 50 / 60 Hz</b>							
GW 81 671	3+3 W	LED	1 h	28	White	1.7	1/4
GW 81 672	3+3 W	LED	1 h	28	Titanium grey	1.7	1/4

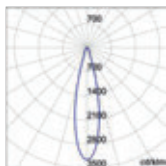
**NOTES:** For wall-mounting, the product must be completed with the special fixing brackets.

For ceiling assembly, fixing brackets are not needed.

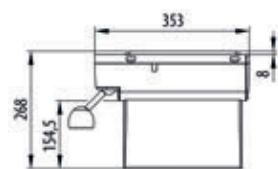
Visibility distance in accordance with Standard EN 1838. Label not included.

**GENERAL NOTES:** The devices of the STARTEC NET range are designed to work with a centralised BUS LonTalk system, so they must be initialised via the NEMO DIN PLUS control unit.

#### Photometric distributions



3+3 W



## COMPLEMENTARY ITEMS



GW 81 691

### FIXING BRACKET

Code	Type of installation	Colour	Pack Carton
GW 81 691	Perpendicular to the wall	White	1/24
GW 81 692	Parallel to the wall	White	1/24
GW 81 693	Perpendicular to the wall	Titanium grey	1/24
GW 81 694	Parallel to the wall	Titanium grey	1/24

## FOR FLUSH-MOUNTING - MAINTAINED LIGHTING - M



GW 81 681

### STARTEC NET - M - IP42 (INSTALLED PRODUCT) - CLASS II

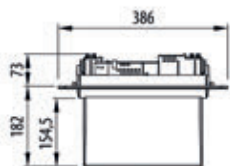


Code	Lamp power	Lamp supplied	Autonomy	Visibility range (m)	Body colour	Weight (kg)	Pack Carton
<b>Voltage: 230 V - 50 / 60 Hz</b>							
GW 81 681	3 W	LED	1 h	28	White	1.5	1/4
GW 81 682	3 W	LED	3 h	28	White	1.6	1/4
GW 81 683	3 W	LED	1 h	28	Titanium grey	1.5	1/4
GW 81 684	3 W	LED	3 h	28	Titanium grey	1.6	1/4

**NOTES:** the device is supplied complete with design cover for flush-mounting finish.

Visibility distance in accordance with Standard EN 1838. Label not included.

**GENERAL NOTES:** The devices of the STARTEC NET range are designed to work with a centralised BUS LonTalk system, so they must be initialised via the NEMO DIN PLUS control unit.



**CONTROL UNIT**

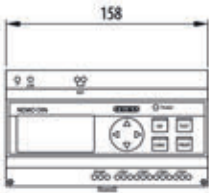


GW 81 379

**STARTEC NEMO DIN FOR DIN RAIL MOUNTING**

Code	Description	Display	No. manageable lamps	No. of modules EN 50022	Pack Carton
<b>Voltage: 230 V - 50 / 60 Hz</b>					
GW 81 379	Nemo DIN Plus	O-Led	240	9	1

**NOTE:** for connections between the control unit and the lamp and from control unit to control unit, use a cable with double twisted and shielded wire for RS485 transmissions (we recommend CEAM CPR 6003 or BELDEN P/N 9841).



**REPEATER**

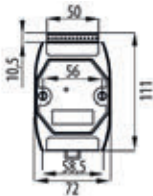


GW 81 363

**SIGNAL REPEATER MODBUS RS485**

Code	Input line	Output line	Pack Carton
<b>Voltage: 10 / 30 V dc</b>			
GW 81 363	RS485 MODBUS	RS485 MODBUS	1

**NOTE:** increases the maximum length of a RS485 line by 1200 m. Galvanically separated (up to 3000 V dc). To be completed with the continuous voltage power supply.



## GATEWAY



GW 68 994

### RS485/USB OPTO-INSULATED CONVERTER WITH TERMINAL BLOCK

Code	Description	Pack Carton
GW 68 994	USB/RS485 converter	1

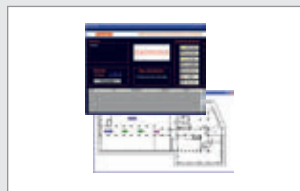
# Startec NET

## CONTROL UNIT



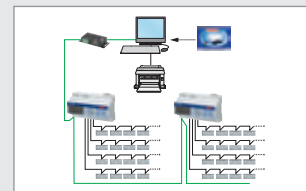
The Nemo Din-Plus control unit manages up to 240 nodes, which can be subdivided into 30 logical groups of emergency luminaires. The control unit/lamp and control unit/control unit connection is made with a twisted and shielded, dual conductor cable for RS485 transmissions (CEAM CPR 6003 or BELDEN P/N 9841 are recommended).

## NET SOFTWARE



The overall system can be managed by a supervisor PC. The NET software allows to explore and manage the emergency system using a graph maps where all devices are indicated by an icon.

## SYSTEM EXPANDABILITY



The standard system, consisting of a single control unit, can be expanded with the aid of a supervisor PC that controls and manages the various NEMO DIN units located in the system. The PC can be interrogated by remote systems, via a LAN or Internet connection.

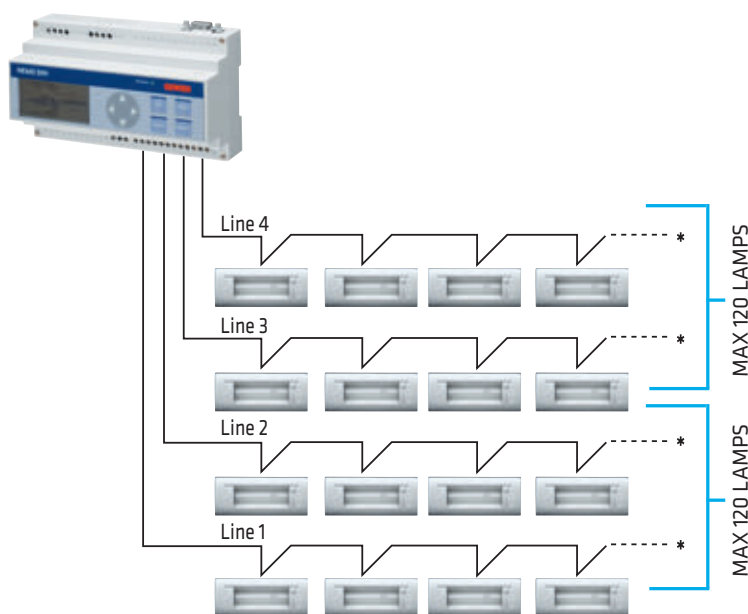
## Technical characteristics

<b>INSTALLATION</b>	Internal / External
<b>COLOUR</b>	White
<b>MATERIALS</b>	
<b>Body</b>	PC
<b>Diffuser</b>	PC
<b>Shield</b>	PC

<b>DEGREE OF PROTECTION</b>	Depending on the version
<b>IMPACT RESISTANCE</b>	Depending on the version
<b>INSULATION CLASS</b>	II
<b>MARKS</b>	CE

## Connection to the single NEMO DIN-Plus

Up to 4 communication lines can be connected to a single control unit, for maximum 240 emergency devices.



\* = termination resistance 120 Ω

# Startec EIB

## Autonomous, centrally managed emergency devices - KNX BUS

Autonomous emergency devices for centralised systems with the KNX communication protocol. The Startec EIB range is the best solution for building automation, integrating perfectly with existing KNX systems. The range is completed with the double-sided autonomous emergency signalling luminaires that use LED technology.



Technical characteristics page 320

### DOUBLE SIDED DEVICES - LED



### FOR WALL OR CEILING MOUNTING - MAINTAINED LIGHTING - M



GW 81 701

#### STARTEC EIB - M - IP42 - CLASS II



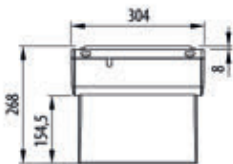
Code	Lamp power	Lamp supplied	Autonomy	Visibility range (m)	Body colour	Weight (kg)	Pack Carton
<b>Voltage: 230 V - 50 / 60 Hz</b>							
GW 81 701	3 W	LED	1 h	28	White	1.5	1/4
GW 81 702	3 W	LED	3 h	28	White	1.6	1/4
GW 81 703	3 W	LED	1 h	28	Titanium grey	1.5	1/4
GW 81 704	3 W	LED	3 h	28	Titanium grey	1.6	1/4

NOTES: for wall-mounting, the product must be completed with the special fixing brackets.

For ceiling assembly, fixing brackets are not needed.

Visibility distance in accordance with Standard EN 1838. Label not included.

GENERAL NOTES: In order to work, the STARTEC EIB devices must be configured as KNX devices.



### FOR WALL OR CEILING MOUNTING - MAINTAINED LIGHTING - M WITH DIRECTIONAL SPOTLIGHT



GW 81 711

#### STARTEC EIB - M - IP20 / IP42 (INSTALLED PRODUCT) - CLASS II



Code	Lamp power	Lamp supplied	Autonomy	Visibility range (m)	Body colour	Weight (kg)	Pack Carton
<b>Voltage: 230 V - 50 / 60 Hz</b>							
GW 81 711	3+3 W	LED	1 h	28	White	1.7	1/4
GW 81 712	3+3 W	LED	1 h	28	Titanium grey	1.7	1/4

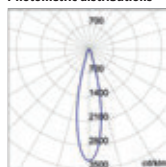
NOTES: for wall-mounting, the product must be completed with the special fixing brackets.

For ceiling assembly, fixing brackets are not needed.

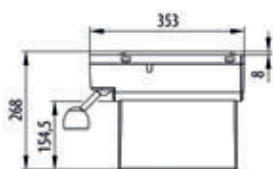
Visibility distance in accordance with Standard EN 1838. Label not included.

GENERAL NOTES: In order to work, the STARTEC EIB devices must be configured as KNX devices.

#### Photometric distributions



3+3 W



COMPLEMENTARY ITEMS



GW 81 691

**FIXING BRACKET**

Code	Type of installation	Colour	Pack Carton
GW 81 691	Perpendicular to the wall	White	1/24
GW 81 692	Parallel to the wall	White	1/24
GW 81 693	Perpendicular to the wall	Titanium grey	1/24
GW 81 694	Parallel to the wall	Titanium grey	1/24

FOR FLUSH-MOUNTING - MAINTAINED LIGHTING - M



GW 81 721

**STARTEC EIB - M - IP20/IP42 (INSTALLED PRODUCT) - CLASS II**

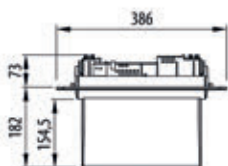


Code	Lamp power	Lamp supplied	Autonomy	Visibility range (m)	Body colour	Weight (kg)	Pack Carton
<b>Voltage: 230 V - 50 / 60 Hz</b>							
GW 81 721	3 W	LED	1 h	28	White	1.5	1/4
GW 81 722	3 W	LED	3 h	28	White	1.6	1/4
GW 81 723	3 W	LED	1 h	28	Titanium grey	1.5	1/4
GW 81 724	3 W	LED	3 h	28	Titanium grey	1.6	1/4

**NOTES:** the device is supplied complete with design cover for flush-mounting finish.

Visibility distance in accordance with Standard EN 1838. Label not included

**GENERAL NOTES:** In order to work, the STARTEC EIB devices must be configured as KNX devices.



# Startec EIB



## EXPANSION OF THE FUNCTIONS



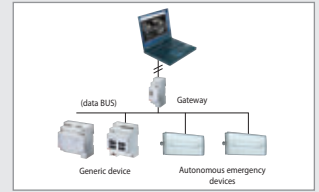
The use of the KNX world Standard allows the emergency system to be directly integrated in the building automation application. It is not necessary to create a new domotic system to only manage the emergency lighting; simply connect to the central system once its functions have been expanded.

## COMPLETE MANAGEMENT OF THE FUNCTIONS



An advanced double processor electronic card manages all the product functions: carrying out and registration of tests, diagnostic reports, alarm signalling and communication via BUS of all status variables.

## BUILDING AUTOMATION



The programming of the lamp and battery tests is managed directly from the system supervision PC, using the software. After being configured with the ETS software tool, the luminaires transmit the outcome of the test and their operation status directly on the BUS (in accordance with the KNX communication Standard) to signal the presence of any anomalies.

## Technical characteristics

<b>INSTALLATION</b>	Internal / External
<b>COLOUR</b>	White
<b>MATERIALS</b>	
<b>Body</b>	PC
<b>Diffuser</b>	PC
<b>Shield</b>	PC

<b>DEGREE OF PROTECTION</b>	Depending on the version
<b>IMPACT RESISTANCE</b>	Depending on the version
<b>INSULATION CLASS</b>	II
<b>MARKS</b>	CE

## Standard UNI 11222

“Light and lighting - Safety lighting systems in buildings - Procedure for regular controls, maintenance, overhaul and testing”.

The standard lays out the procedures for the regular checks and maintenance on emergency systems.

In particular, it defines:

- **The system for safety lighting with automatic checks:** this system has self-diagnosis functions which may be individual, or centrally controlled by external devices;
- **The device for emergency lighting with a centralised power supply:** permanent or non-permanent device, powered by a centralised emergency system (i.e. not built into the device);
- **The autonomous emergency lighting device:** permanent or non-permanent type device in which all the elements are built into the device;
- **The maintenance technician:** physical and/or juridical person responsible for the maintenance of the safety system equipment and its components;
- **The register:** document containing a record of all the regular checks, regular maintenance and overhauls carried out on the equipment that makes up the safety lighting system;
- **The automatic check system:** automatically performs regular checks on emergency lighting systems, and provides indications about the test results.

The regular checks are subdivided into the following types:

- **General check:** must be performed in compliance with point 7 of EN 50172, and carried out at least once a year (the recommendation is every six months). It involves an overall check of the efficiency of the safety devices or the centralised power supply (rescue unit), and the respect of the project lighting requisites, via functional and autonomy tests.

- **Operating check:** every six months, it is necessary to verify the effective intervention of all the devices in the event of an emergency, and the state of wear of the devices.

Any anomalies found must be immediately noted and eliminated, or communicated to the person responsible for the system.

- **Autonomy check:** once a year (although the recommendation is every six months), it is necessary to verify the effective duration of all the devices in emergency mode. If it is not possible to carry out the autonomy check by visually verifying in the actual moment of switch-off, you must use devices which allow the effective autonomy to be automatically checked (centralised system).

### REGISTER

The register must be drawn up in compliance with point 6.3 of CEI EN 50172 (“Log book”), and structured in such a way that it can be used for several interventions, over several years. It must include:

- The start-up date of the emergency lighting system, and the technical documentation regarding any modifications made to the system;
- The serial number (or another means of identification) of the safety device;
- The legible signature of the maintenance technician.

Any documents generated by automatic check systems (physical or computerised supports) may integrate or replace the information.



# Startec CHECK

## Autonomous emergency devices with local self-diagnosis

Autonomous emergency devices with local self-diagnosis, designed for small/medium-sized systems to ensure safety and cost effectiveness. The luminaires automatically perform lamp operation tests every week, and autonomy tests every six months. In addition, they can be connected to management remote controls that allow the tests to be synchronised, forced or inhibited.



Technical characteristics page 324

### DOUBLE SIDED DEVICES - LED



#### FOR WALL OR CEILING MOUNTING - MAINTAINED LIGHTING - M



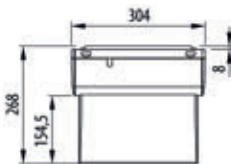
GW 81 631

#### STARTEC CHECK - M - IP42 - CLASS II



Code	Lamp power	Lamp supplied	Autonomy	Visibility range (m)	Body colour	Weight (kg)	Pack Carton
<b>Voltage: 230 V - 50 / 60 Hz</b>							
GW 81 631	3 W	LED	1 h	28	White	1.5	1/4
GW 81 632	3 W	LED	3 h	28	White	1.6	1/4
GW 81 633	3 W	LED	1 h	28	Titanium grey	1.5	1/4
GW 81 634	3 W	LED	3 h	28	Titanium grey	1.6	1/4

**NOTES:** for wall-mounting, the product must be completed with the special fixing brackets.  
For ceiling assembly, fixing brackets are not needed.  
Visibility distance in accordance with Standard EN 1838. Label not included



#### FOR WALL OR CEILING MOUNTING - MAINTAINED LIGHTING - M WITH DIRECTIONAL SPOTLIGHT



GW 81 642

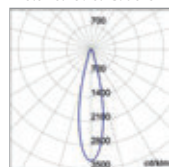
#### STARTEC CHECK - M - IP42 - CLASS II



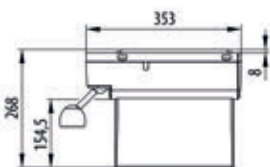
Code	Lamp power	Lamp supplied	Autonomy	Visibility range (m)	Body colour	Weight (kg)	Pack Carton
<b>Voltage: 230 V - 50 / 60 Hz</b>							
GW 81 641	3+3 W	LED	1 h	28	White	1.7	1/4
GW 81 642	3+3 W	LED	1 h	28	Titanium grey	1.7	1/4

**NOTES:** for wall-mounting, the product must be completed with the special fixing brackets.  
For ceiling assembly, fixing brackets are not needed.  
Visibility distance in accordance with Standard EN 1838. Label not included.

#### Photometric distributions



3+3 W



# Startec CHECK

## COMPLEMENTARY ITEMS



GW 81 691

### FIXING BRACKET

Code	Type of installation	Colour	Pack Carton
GW 81 691	Perpendicular to the wall	White	1/24
GW 81 692	Parallel to the wall	White	1/24
GW 81 693	Perpendicular to the wall	Titanium grey	1/24
GW 81 694	Parallel to the wall	Titanium grey	1/24

## FOR FLUSH-MOUNTING - MAINTAINED LIGHTING - M



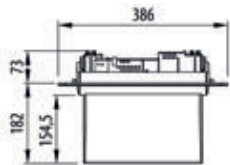
GW 81 651

### STARTEC CHECK - M - IP20 / IP42 (INSTALLED PRODUCT) - CLASS II



Code	Lamp power	Lamp supplied	Autonomy	Visibility range (m)	Body colour	Weight (kg)	Pack Carton
<b>Voltage: 230 V - 50 / 60 Hz</b>							
GW 81 651	3 W	LED	1 h	28	White	1.5	1/4
GW 81 652	3 W	LED	3 h	28	White	1.6	1/4
GW 81 653	3 W	LED	1 h	28	Titanium grey	1.5	1/4
GW 81 654	3 W	LED	3 h	28	Titanium grey	1.6	1/4

**NOTES:** the device is supplied complete with design cover for flush-mounting finish.  
Visibility distance in accordance with Standard EN 1838. Label not included



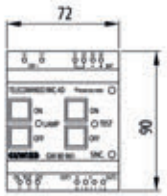
REMOTE CONTROL



**RMC - AD REMOTE CONTROL (WITH REST MODE) - IP20**

Code	Accumulator type	Connectable devices	Weight (kg)	Pack Carton
<b>Voltage: 230 V - 50 / 60 Hz</b>				
GW 80 961	Ni-Mh	60+60	0.3	1/2

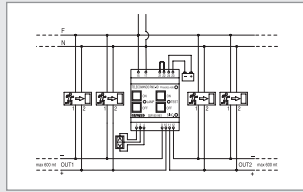
GW 80 961



# Startec Check



## SIMPLIFIED WIRING



System creation is simplified. The only requisite for the signal cable to be used between the remote control and the luminaire is a minimum section of 1mm<sup>2</sup>; it can be up to 600m long. It is, however, necessary to respect the polarity of the cable, as clearly and indelibly shown on the terminals of the luminaire wiring plate.

## SYSTEM MANAGEMENT



The remote control is used to synchronise and manage the system from a single point. Every remote control can command up to two lines, with 60 lamps each. The remote control synchronises the connected lamps, forces the execution or inhibition of the tests; it also sends the Rest mode commands.

## TEST AUTOMATION



The luminaires automatically carry out periodical control tests. Lamp functioning is tested every month, and the autonomy test is carried out every six months. The test results are shown on the luminaire itself, by the signalling LED that changes colour depending on the operation status.

## Technical characteristics

<b>INSTALLATION</b>	Internal
<b>COLOUR</b>	White or titanium grey
<b>MATERIALS</b>	
<b>Body</b>	PC
<b>Diffuser</b>	PC
<b>Shield</b>	PC

<b>DEGREE OF PROTECTION</b>	Depending on the version
<b>IMPACT RESISTANCE</b>	Depending on the version
<b>INSULATION CLASS</b>	II
<b>MARKS</b>	CE

## Maximum observation distance in accordance with Standard UNI EN 1838

The European standard specifies the maximum readability distance of a pictogram, and the characteristics it must have. In particular, the pictogram must be white on a green background, as defined by standard ISO 3864. The pictogram must have a minimum luminance of 2 cd/m<sup>2</sup> in every direction of observation, with defined uniformity.

As a signal lit from inside can be recognised at a greater distance than a signal lit from outside of the same size, the maximum visibility distance will be:

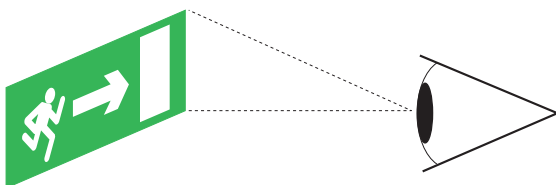
$$d = p \times s$$

Key:

**d** = observation distance

**p** = pictogram height

**s** = constant equal to: 100 for signals lit from outside;  
200 for signals lit from inside



# Startec BASIC

## Traditional autonomous emergency devices

These traditional autonomous emergency devices are suitable for installation in small systems where centralised luminaire management is not necessary. Body and diffuser made entirely of thermoplastic with a self-extinguishing level of 850°C. The diffuser has no frame, and is completely transparent to guarantee the maximum light yield.



Technical characteristics page 327

### DOUBLE SIDED DEVICES - LED



#### FOR WALL OR CEILING MOUNTING - MAINTAINED LIGHTING - M



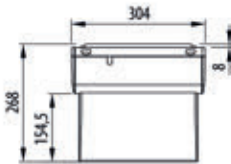
GW 81 601

#### STARTEC BASIC - M - IP42 - CLASS II



Code	Lamp power	Lamp supplied	Autonomy	Visibility range (m)	Body colour	Weight (kg)	Pack Carton
<b>Voltage: 230 V - 50 / 60 Hz</b>							
GW 81 601	3 W	LED	1 h	28	White	1.5	1/4
GW 81 602	3 W	LED	3 h	28	White	1.6	1/4
GW 81 603	3 W	LED	1 h	28	Titanium grey	1.5	1/4
GW 81 604	3 W	LED	3 h	28	Titanium grey	1.6	1/4

**NOTES:** for wall-mounting, the product must be completed with the special fixing brackets.  
For ceiling assembly, fixing brackets are not needed.  
Visibility distance in accordance with Standard EN 1838. Label not included.



#### FOR WALL OR CEILING MOUNTING - MAINTAINED LIGHTING - M WITH DIRECTIONAL SPOTLIGHT



GW 81 612

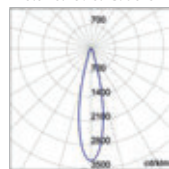
#### STARTEC BASIC - M - IP42 - CLASS II



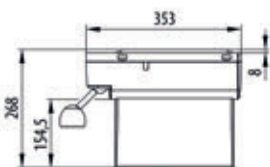
Code	Lamp power	Lamp supplied	Autonomy	Visibility range (m)	Body colour	Weight (kg)	Pack Carton
<b>Voltage: 230 V - 50 / 60 Hz</b>							
GW 81 611	3+3 W	LED	1 h	28	White	1.7	1/4
GW 81 612	3+3 W	LED	1 h	28	Titanium grey	1.7	1/4

**NOTES:** for wall-mounting, the product must be completed with the special fixing brackets. For ceiling assembly, fixing brackets are not needed.  
Visibility distance in accordance with Standard EN 1838. Label not included

#### Photometric distributions



3+3 W



## COMPLEMENTARY ITEMS



GW 81 691

### FIXING BRACKET

Code	Type of installation	Colour	Pack Carton
GW 81 691	Perpendicular to the wall	White	1/24
GW 81 692	Parallel to the wall	White	1/24
GW 81 693	Perpendicular to the wall	Titanium grey	1/24
GW 81 694	Parallel to the wall	Titanium grey	1/24

## FOR FLUSH-MOUNTING - MAINTAINED LIGHTING - M



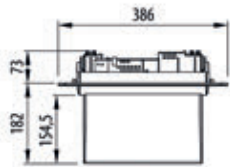
GW 81 621

### STARTEC BASIC - M - IP20/IP42 (INSTALLED PRODUCT) - CLASS II



Code	Lamp power	Lamp supplied	Autonomy	Visibility range (m)	Body colour	Weight (kg)	Pack Carton
<b>Voltage: 230 V - 50 / 60 Hz</b>							
GW 81 621	3 W	LED	1 h	28	White	1.5	1/4
GW 81 622	3 W	LED	3 h	28	White	1.6	1/4
GW 81 623	3 W	LED	1 h	28	Titanium grey	1.5	1/4
GW 81 624	3 W	LED	3 h	28	Titanium grey	1.6	1/4

**NOTES:** the device is supplied complete with design cover for flush-mounting finish.  
Visibility distance in accordance with Standard EN 1838. Label not included



# Startec BASIC



## LONGER BATTERY LIFE TIME



The autonomous luminaires use Ni-Cd or Ni-Mh batteries for high temperatures, specific for emergency lighting devices.

## SELF-EXTINGUISHING 850 °C



Startec BASIC Body and diffuser are made entirely of thermoplastic with a self-extinguishing level of 850 °C.

## PLAFONIERE A LED



The double-sided luminaires with LED technology are offered in the conventional version and the version with an additional side spotlight that allows the integration of two functions in a single product signalling and emergency lighting.

## Technical characteristics

<b>INSTALLATION</b>	Internal
<b>COLOUR</b>	White or titanium grey
<b>MATERIALS</b>	
<b>Body</b>	PC
<b>Diffuser</b>	PC
<b>Shield</b>	PC

<b>DEGREE OF PROTECTION</b>	Depending on the version
<b>IMPACT RESISTANCE</b>	Depending on the version
<b>INSULATION CLASS</b>	II
<b>MARKS</b>	CE

# Startec GSE

## Centralised power supply systems

Emergency devices for both lighting and signalling, with a centralised power supply. Purposely designed for systems that are centrally powered via a UPS.



Technical characteristics page 331

## DOUBLE SIDED DEVICES - LED



## WALL-MOUNTING AND CEILING-MOUNTING



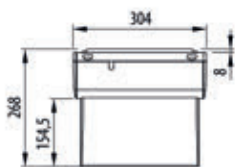
GW 81 731

### STARTEC GSE - IP42 - CLASS II



Code	Lamp power	Lamp supplied	Visibility range (m)	Body colour	Weight (kg)	Pack Carton
<b>Voltage: 230 / 240 V - 50 / 60 Hz</b>						
GW 81 731	3 W	LED	28	White	1	1/4
GW 81 732	3 W	LED	28	Titanium grey	1	1/4

NOTES: for wall-mounting, the product must be completed with the special fixing brackets.  
For ceiling assembly, fixing brackets are not needed.  
Visibility distance in accordance with Standard EN 1838. Pictogram not included.



## FOR WALL OR CEILING-MOUNTING WITH DIRECTIONAL SPOTLIGHT



GW 81 737

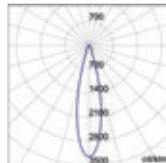
### STARTEC GSE - IP42 - CLASS II



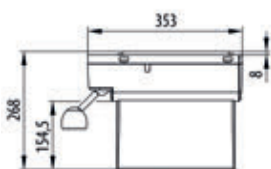
Code	Lamp power	Lamp supplied	Visibility range (m)	Body colour	Weight (kg)	Pack Carton
<b>Voltage: 230 / 240 V - 50 / 60 Hz</b>						
GW 81 736	3+3 W	LED	28	White	1.1	1/4
GW 81 737	3+3 W	LED	28	Titanium grey	1.1	1/4

NOTES: for wall-mounting, the product must be completed with the special fixing brackets.  
For ceiling assembly, fixing brackets are not needed.  
Visibility distance in accordance with Standard EN 1838. Pictogram not included.

#### Photometric distributions



3+3 W





COMPLEMENTARY ITEMS



GW 81 691

**FIXING BRACKET**

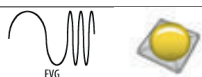
Code	Type of installation	Colour	Pack Carton
GW 81 691	Perpendicular to the wall	White	1/24
GW 81 692	Parallel to the wall	White	1/24
GW 81 693	Perpendicular to the wall	Titanium grey	1/24
GW 81 694	Parallel to the wall	Titanium grey	1/24

FLUSH-MOUNTING



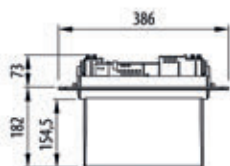
GW 81 741

**STARTEC GSE - IP20/IP42 (INSTALLED PRODUCT) - CLASS II**



Code	Lamp power	Lamp supplied	Visibility range (m)	Body colour	Weight (kg)	Pack Carton
<b>Voltage: 230 / 240 V - 50 / 60 Hz</b>						
GW 81 741	3 W	LED	28	White	1	1/4
GW 81 742	3 W	LED	28	Titanium grey	1	1/4

**NOTES:** the device is supplied complete with design cover for flush-mounting finish.  
Visibility distance in accordance with Standard EN 1838. Pictogram not included.



## UPS UNITS FOR EMERGENCY LIGHTING SYSTEMS



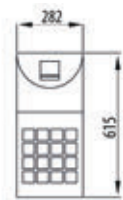
GW 81 761

### UPS UNITS WITH DOUBLE CONVERSION ON-LINE TECHNOLOGY COMPLETE WITH BATTERIES

Code	Rated power	Autonomy	No. of monoblocs per string	Rated capacity	Dimensions (mm)	Weight (kg)	Pack Carton
GW 81 761	1000 W	1 h	20	7.2 Ah	282x785x615	91	1
GW 81 762	1000 W	3 h	2x20	7.2 Ah	2x 282x785x615	43+130	1
GW 81 763	2000 W	1 h	2x20	7.2 Ah	2x 282x785x615	43+130	1
GW 81 764	2000 W	3 h	4x20	7.2 Ah	3x 282x785x615	43+ 2x130	1
GW 81 765	3000 W	1 h	2x20	9.0 Ah	2x 282x785x615	44+130	1
GW 81 766	3000 W	3 h	6x20	9.0 Ah	4x 282x785x615	44+ 3x130	1

**NOTE:** these articles can be configured as specified by Standard ENS0171. 12V lead batteries with adjustment valve.

Output voltage: single-phase. Versions with 1 and 2 kW single-phase input voltage; versions with 3kW input voltage and the possibility to choose single-phase or three-phase.



## SERVICE COMPLEMENTARY ITEMS



GW 81 378

### LAMP SENSOR FOR CENTRALISED SYSTEMS, FOR THE FUNCTIONAL CHECK OF THE FLUORESCENT CONDUIT



Code	Sensor type	Suitable for	Power max.	Communication BUS	Dimensions (mm)	Weight (kg)	Pack Carton
GW 81 378	SFH 203P	Fluorescent tube	180 VA	BUS LonTalk	115x45x42	0.4	1

**GENERAL NOTE:** the centralised Startec NET system must be created with the Nemo DIN control unit; without it, the devices cannot operate.

**NOTE:** GW81378 is managed manually using the pulse contact. For a version managed with a maintained contact or for the MASTER version for the simultaneous management of the devices on the LON line contact SAT.



GW 81 453

### LAMP SENSOR FOR CENTRALISED SYSTEMS, FOR THE FUNCTIONAL CHECK OF THE FLUORESCENT CONDUIT



Code	Sensor type	Suitable for	Power max.	Communication BUS	Dimensions (mm)	Weight (kg)	Pack Carton
GW 81 453	SFH 203P	Fluorescent tube	180 VA	BUS KNX	115x45x42	0.4	1

**GENERAL NOTE:** the Startec EIB centralised system must be inserted in a BUS KNX system; the devices can only operate in this condition.

## KIT FOR EMERGENCY LIGHTING SYSTEMS

### KIT NET



GW 81 375

#### TRANSFORMING KIT FROM CONVENTIONAL FLUORECENT DEVICE TO BUS-LONTALK EMERGENCY DEVICE



Code	Lamp power	Accumulator type	Autonomy	Pack Carton
<b>Voltage: 230 V - 50 / 60 Hz</b>				
GW 81 370	11-32 W	Ni-Cd	1 h	1
GW 81 375	24-36 W	Ni-Cd	1 h	1
GW 81 396	58 W	Ni-Cd	1 h	1

**NOTE:** transformation kit for lamps with starter not integrated in the lamp base.

Refer to the specific table to check the suitability for the type of lamp.

**GENERAL NOTE:** The devices of the STARTEC NET range are designed to work with a centralised BUS LON-TALK system, so they must be initialised via the NEMO DIN PLUS control unit.

### KIT EIB



GW 81 452

#### TRANSFORMING KIT FROM CONVENTIONAL FLUORECENT DEVICE TO BUS-KNX EMERGENCY DEVICE



Code	Lamp power	Accumulator type	Autonomy	Pack Carton
<b>Voltage: 230 V - 50 / 60 Hz</b>				
GW 81 451	11-32 W	Ni-Cd	1 h	1
GW 81 452	24-36 W	Ni-Cd	1 h	1
GW 81 454	58 W	Ni-Cd	1 h	1

**NOTE:** transformation kit for lamps with starter not integrated in the lamp base.

Refer to the specific table to check the suitability for the type of lamp.

**GENERAL NOTE:** In order to work, the STARTEC EIB devices must be configured as a KNX device.

## KIT BASIC



GW 81 292

### TRANSFORMATION KIT FOR FLUORESCENT DEVICES WITH MAGNETIC OR ELECTRONIC POWER SUPPLY IN EMERGENCY DEVICES



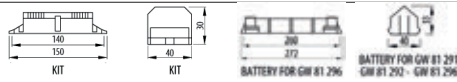
Code	Max lamp power	Accumulator type	Autonomy	Pack Carton
<b>Voltage: 230 / 240 V - 50 / 60 Hz</b>				
GW 81 291	58 W	Ni-Cd	1 h	1
GW 81 292	58 W	Ni-Cd	3 h	1

**NOTE:** transformation kit for lamps with starter not integrated in the base.  
Refer to the specific table to check the suitability for the type of lamp.



GW 81 296

### TRANSFORMATION KIT FOR FLUORESCENT DEVICES WITH ELECTRONIC POWER SUPPLY IN EMERGENCY DEVICES



Code	Max lamp power	Accumulator type	Autonomy	Pack Carton
<b>Voltage: 230 / 240 V - 50 / 60 Hz</b>				
GW 81 296	80 W	Ni-Cd	1 h	1

**NOTE:** Refer to the specific table to check the suitability for the type of lamp.

# Startec GSE/UPS



## CENTRALISED EMERGENCY SYSTEM



Double conversion rescue units equipped with lead batteries with a compensation valve and BUS communication card that can be controlled in centralised NET systems.

## LED LUMINAIRES



The double-sided luminaires with LED technology are offered in the conventional version and the version with an additional side spotlight that allows the integration of two functions in a single product: signalling and emergency lighting.

## QUICK CONNECTION



Quick installation thanks to the snap-coupling support plate.

## Technical characteristics

<b>INSTALLATION</b>	Internal
<b>COLOUR</b>	White or titanium grey
<b>MATERIALS</b>	
<b>Body</b>	PC
<b>Diffuser</b>	PC
<b>Shield</b>	PC

<b>DEGREE OF PROTECTION</b>	Depending on the version
<b>IMPACT RESISTANCE</b>	Depending on the version
<b>INSULATION CLASS</b>	II
<b>MARKS</b>	CE

## Classification of lighting devices

Emergency devices must be identified in a clear, unmistakable way by means of a label that must be positioned on the outside of the device itself. The form must be a rectangle divided into 3 or 4 parts containing the relative alphanumeric signs; if there is no indication, there must be a point showing the non-applicability of that specific position.

*	*	*****	***
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### 1<sup>st</sup> box: **Type of device**

- X → autonomous
- Z → with centralised power supply

### 2<sup>nd</sup> box: **functioning mode**

- 0 → non-permanent
- 1 → permanent
- 2 → combined non-permanent
- 3 → combined permanent
- 4 → compound non-permanent
- 5 → compound permanent
- 6 → satellite

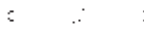
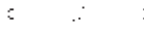

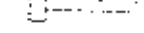

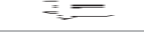
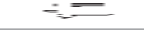
### 3<sup>rd</sup> box: **devices**

- A → device including a test element
- B → device including an element for distance rest mode
- C → device including an element for inhibition mode
- D → device for high risk areas
- E → with lamp(s) and/or non-replaceable battery

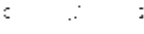
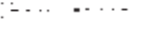


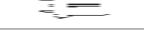
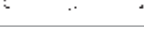
### 4<sup>th</sup> box: **Duration in minutes**

- \*10
- \*60
- 120
- 180

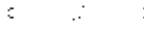

## Kit autonomy and efficiency

NET KIT / EIB KIT: VERSION FOR FLUORESCENT LAMPS 11 ÷ 32W: 1 H AUTONOMY											
Source	Coupling	Power (W)									
FD		G13				18					
T5		G5			14		21			28	
FSD		2G11				18		24			
FSD		2G7	11								
FSQ		2G10				18		24			
FSQ		G24q		13		18			26		
FSM		Gx24q		13		18			26	32	
<b>Autonomy</b>			2h 30'	2h 30'	2h	1h 30'	1h 30'	1h 30'	1h 30'	1h	1h
<b>Efficiency</b>			45%	40%	40%	27%	25%	25%	25%	15%	20%






Note: guaranteed duration for recharging time 24h.

NET KIT / EIB KIT: VERSION FOR FLUORESCENT CONDUITS 24 ÷ 36W: 1 H AUTONOMY							
Source	Coupling	Power (W)					
FD		G13				36	
FSD		2G11	24			36	
FSQ		2G10	24			36	
FSQ		G24q			26		
FSM		Gx24q			26	32	
T5		G5		24			
<b>Autonomy</b>			3h	3h	2h 30'	2h	2h
<b>Efficiency</b>			21%	19%	25%	15%	20%






Note: guaranteed duration for recharging time 24h.

NET KIT / EIB KIT: VERSION FOR FLUORESCENT LAMPS 55 ÷ 58W: 1 H AUTONOMY				
Source	Coupling	Power (W)		Power (W)
FD		G13		58
FSD		2G11	55	
<b>Autonomy</b>		1h		1h
<b>Efficiency</b>		18%		15%

Note: guaranteed duration for recharging time 24h.

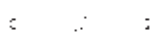

<b>BASIC KIT: VERSION FOR FLUORESCENT LAMPS MAX. 58W: 1 H AUTONOMY</b>																				
Source		Coupling	Power (W)																	
T5		G5	4		6		8												13	
T8		G13																	18	
T8 circ.		G10q																	22	
2D		GR10q																	10	
FSD		2G7		5		7		9		11										
FSD		2G11																	18	
FSQ		G24q																	10	
<b>Autonomy</b>			3h	3h	3h	3h	3h	3h	2h	2h	2h	2h	2h	2h	2h	2h	2h	2h	2h	2h
<b>Efficiency</b>			28%	30%	24%	25%	24%	25%	20%	20%	20%	18%	15%	16%	16%	15%	15%	12%	10%	10%

Note: guaranteed duration for recharging time 24h.

<b>BASIC KIT: VERSION FOR FLUORESCENT LAMPS MAX. 58W: 3 H AUTONOMY</b>																				
Source		Coupling	Power (W)																	
T5		G5	4		6		8												13	
T8		G13																	18	
T8 circ.		G10q																	22	
2D		GR10q																	10	
FSD		2G7		5		7		9		11										
FSD		2G11																	18	
FSQ		G24q																	10	
<b>Autonomy</b>			4h	4h	4h	4h	4h	4h	3h	3h	3h	3h	3h	3h	3h	3h	3h	3h	3h	3h
<b>Efficiency</b>			15%	15%	12%	12%	12%	12%	9%	11%	9%	9%	9%	9%	8%	6%	8%	6%	6%	6%

Note: guaranteed duration for recharging time 24h.

# Startec GSE/UPS

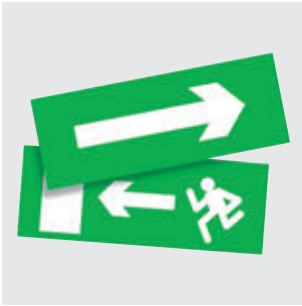
BASIC KIT: VERSION FOR FLUORESCENT LAMPS MAX. 80W: 1 H AUTONOMY							
Source		Coupling	Power (W)				
<b>T5</b>		G5	<b>14</b>	<b>24</b>	<b>39</b>		<b>80</b>
<b>FSM</b>		Gx24q				<b>42</b>	
<b>Autonomy</b>			1h	1h	1h	1h	1h
<b>Efficiency</b>			15%	9%	8%	6%	6%

Note: guaranteed duration for recharging time 24h.





## SAFETY SIGNS



### SELF-ADHESIVE LABELS - STARTEC LED DOUBLE-SIDED

Code	Description	Dimensions HxL (mm)	Pack Carton
GW 80 471	EXIT LEFT	149X258	12
GW 80 472	EXIT RIGHT	149X258	12
GW 80 473	EXIT DOWN	149X258	12
GW 80 474	EXIT UP	149X258	12

## SOURCES FOR LIGHTING DEVICES



GW 88 711

### LAMPS - METAL HALIDES

Code	Lamp power	Lamp	Lamp current	Format	Luminous flux [lm]	CRI	Colour temperature	Pack Carton
<b>Lamp holder: RX7s</b>								
GW 88 701	70 W	MD	1 A	Double ended	5700	1B	3000 K	1
GW 88 702	150 W	MD	1.8 A	Double ended	13800	2A	3000 K	1
<b>Lamp holder: E27</b>								
GW 88 703	100 W	ME	1.1 A	Ellipse	7900	2A	3000 K	1
<b>Lamp holder: E40</b>								
GW 88 704	250 W	ME*	2.2 A	Ellipse	18000	2B	4500 K	1
GW 88 705	400 W	ME*	3.4 A	Ellipse	32500	2B	4500 K	1
GW 88 706	250 W	MT*	2.2 A	Tubular	20500	2B	4500 K	1
GW 88 707	400 W	MT*	3.4 A	Tubular	32000	2B	4500 K	1
GW 88 708	250 W	ME	3 A	Ellipse	19000	1A	5200 K	1
GW 88 709	400 W	ME	4.2 A	Ellipse	34000	1A	5200 K	1
GW 88 710	250 W	MT	3 A	Tubular	20000	1A	5500 K	1
GW 88 711	400 W	MT	4.2 A	Tubular	35000	1A	5500 K	1
<b>Lamp holder: PGZ-18</b>								
GW 88 720	210 W	MT	2.1 A	Tubular	24150	1B	2950 K	1

NOTES: GW88704, GW88705, GW88706, GW88707: lamps with striking voltage of 0.7 - 1KV.



GW 88 738

### LAMPS - HIGH PRESSURE SODIUM

Code	Lamp power	Lamp	Lamp current	Format	Luminous flux [lm]	CRI	Colour temperature	Pack Carton
<b>Lamp holder: RX7s</b>								
GW 88 731	70 W	SD	1 A	Double ended	7000	4	2000 K	1
GW 88 732	150 W	SD	1.8 A	Double ended	17500	4	2000 K	1
<b>Lamp holder: E27</b>								
GW 88 734	70 W	SE*	1 A	Ellipse	6300	4	2000 K	1
GW 88 741	70 W	SE	1 A	Ellipse	5600	4	2000 K	1
GW 88 733	70 W	ST	1 A	Tubular	6600	4	2000 K	1
<b>Lamp holder: E40</b>								
GW 88 735	100 W	SE	1.2 A	Ellipse	10200	4	2000 K	1
GW 88 742	150 W	SE	1.8 A	Ellipse	17000	4	2000 K	1
GW 88 739	250 W	SE	3 A	Ellipse	31100	4	2000 K	1
GW 88 740	400 W	SE	4.4 A	Ellipse	55500	4	2000 K	1
GW 88 736	150 W	ST	1.8 A	Tubular	17500	4	2000 K	1
GW 88 737	250 W	ST	3 A	Tubular	33200	4	2000 K	1
GW 88 738	400 W	ST	4.4 A	Tubular	56500	4	2000 K	1

NOTES: GW88741 with built-in ignitor.

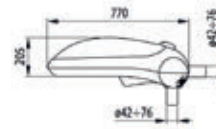
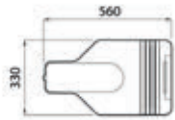
# Dimensions

# Dimensions

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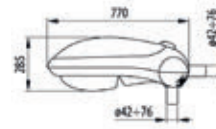
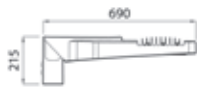
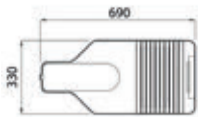
## ROAD 5 (MINI)

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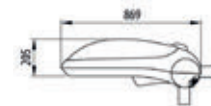
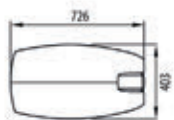
## ROAD 5 (MEDIUM)

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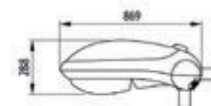
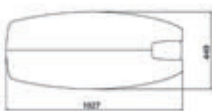
## STREET 03

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## STREET 03 MAXI

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## AVENUE 1 CUT-OFF

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## AVENUE 1 SEMI CUT-OFF

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## AVENUE 2 CUT-OFF

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## AVENUE 2 SEMI CUT-OFF

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**AVENUE 3 CUT-OFF**



**INDY 2 - CUT-OFF**



**AVENUE 3 SEMI CUT-OFF**



**CITY - OPEN OPTICS**



**INDY 1 - CUT-OFF**



**CITY - PC BOWL**



**INDY 1 - SEMICUT-OFF**

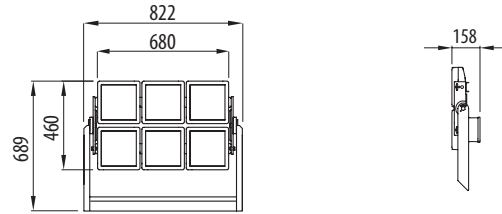


# Dimensions

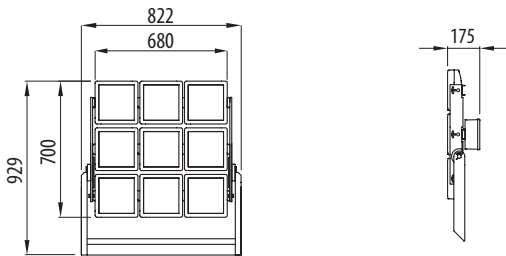
**SMART[PRO] 2M - EQUIVALENT TO 400W MT**



**SMART[PRO] 6M - EQUIVALENT TO 1000W MT**



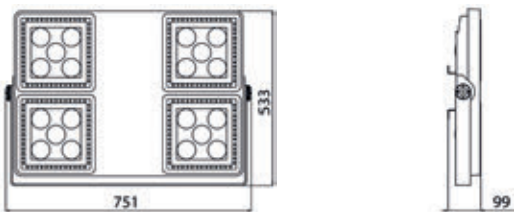
**SMART[PRO] 9M - EQUIVALENT TO 2000W MT**



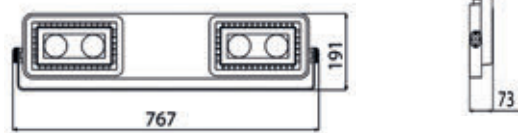
**SMART[4] FL 2.0 2L**



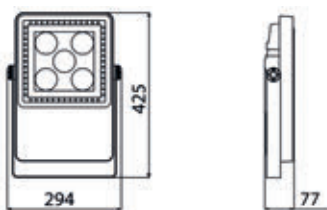
**SMART[4] FL 2.0 4X5L**



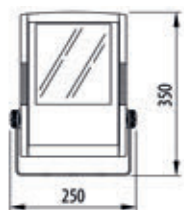
**SMART[4] FL 2.0 2+2L**



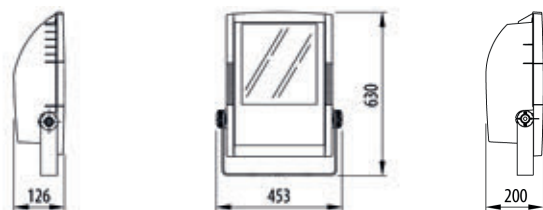
**SMART[4] FL 2.0 5L**



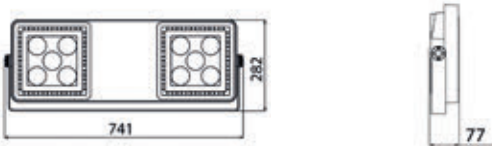
**HORUS 1**



**HORUS 2**



**SMART[4] FL 2.0 5+5L**



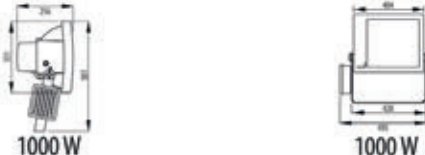
**GENIUS  
500W VERSIONS**



**GENIUS  
1000/1500W VERSIONS**



**TITANO  
1000W VERSIONS**



**MERCURIO 1**



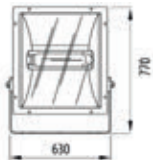
**COLOSSEUM**



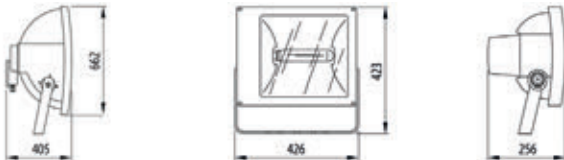
**MERCURIO 2**



**STADIUM**

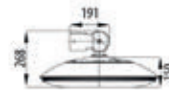
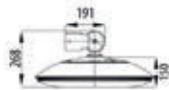


**TITANO  
150W 250W 400W 600W VERSIONS**



# Dimensions

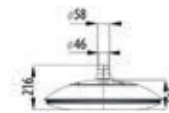
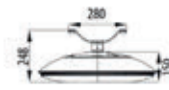
## URBAN [O<sub>3</sub>] (SIDE COUPLING SYSTEMS FOR COMMERCIAL SIDE BRACKETS)



## URBAN [O<sub>3</sub>] (SYSTEMS FOR COMMERCIAL SIDE BRACKETS WITH TOP CONNECTION)



## URBAN [O<sub>3</sub>] (SYSTEMS FOR SUSPENSIONS)



## URBAN [O<sub>3</sub>] (SYSTEMS FOR GEWISS SIDE BRACKETS)





**SATURNO LED**  
VERSIONS WITH BASE



**DEDALO LED**  
NARROW BEAM VERSIONS



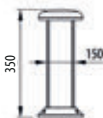
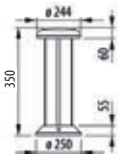
**SATURNO LED**  
VERSIONS FOR POLE



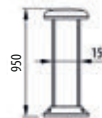
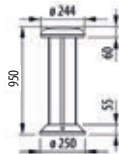
**DEDALO LED**  
WIDE BEAM VERSIONS



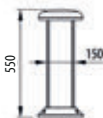
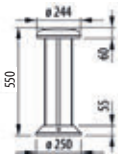
**TRILIGHT**



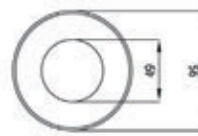
**TRILIGHT**



**TRILIGHT**



**LUXOR LED 80**



# Dimensions

## LUXOR LED 100

VERSIONS WITH ALUMINIUM FLANGE



## LUXOR LED 100L

VERSIONS WITH STAINLESS STEEL FRAME

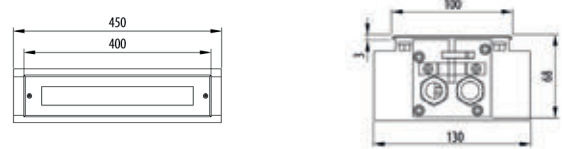


## LUXOR LED 100

VERSIONS WITH STAINLESS STEEL RING



## LUXOR LED 400

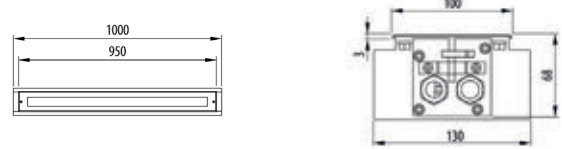


## LUXOR LED 100

VERSIONS WITH STAINLESS STEEL FRAME



## LUXOR LED 900



## LUXOR LED 100L

VERSIONS WITH ALUMINIUM FLANGE



## LUXOR LED WALL 90



## LUXOR LED 100L

VERSIONS WITH STAINLESS STEEL RING



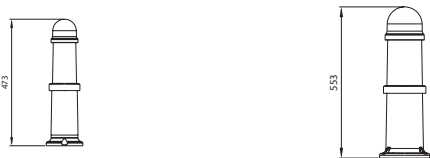
## LUXOR LED WALL 90s



**LUXOR LED WALL 220**



**POINT**



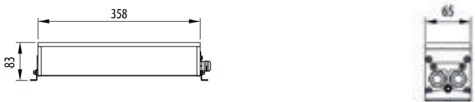
**LUXOR LED WALL 260s**



**EXTRO**



**LUXOR LED WALL WASHER 400**



**METROLIGHT  
LINEAR MODULAR FLUSH-MOUNTING ELEMENTS**



**LUXOR LED WALL WASHER 900**



**METROLIGHT  
ANGULAR MODULAR FLUSH-MOUNTING ELEMENTS**



**METROLIGHT  
COMPLETE KITS**

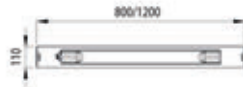


# Dimensions

**SMART[3]**



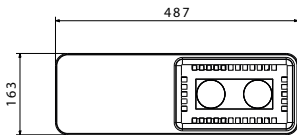
**SMART[3] C**



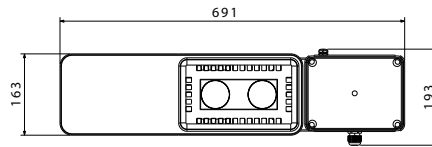
**SMART[3] S**



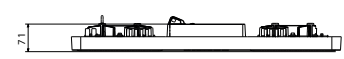
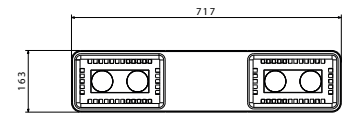
**SMART[4]  
LB 2.0 2L**



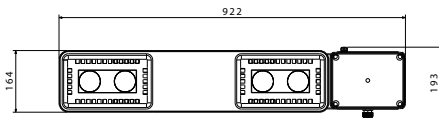
**SMART[4]  
LB 2.0 2L EMERGENCY VERSION**



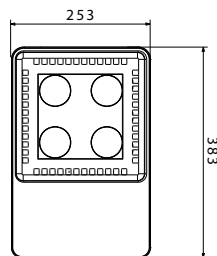
**SMART[4]  
LB 2.0 2+2L**



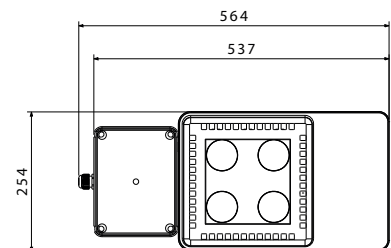
**SMART[4]  
LB 2.0 2+2L EMERGENCY VERSION**



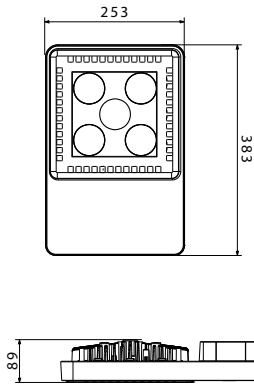
**SMART[4]  
LB 2.0 4L**



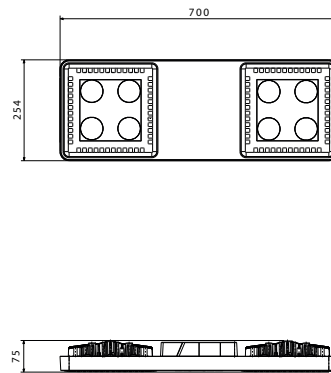
**SMART[4]  
LB 2.0 4L EMERGENCY VERSION**



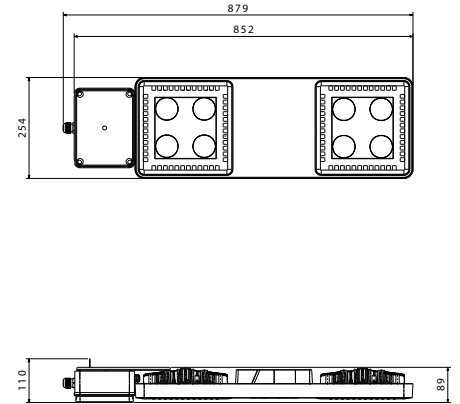
**SMART[4]**  
LB 2.0 5L



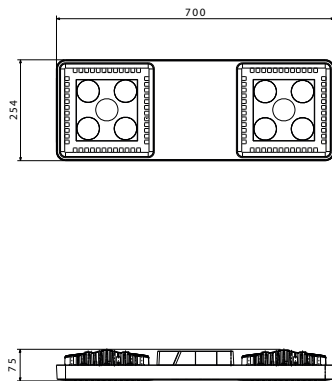
**SMART[4]**  
LB 2.0 4+4L



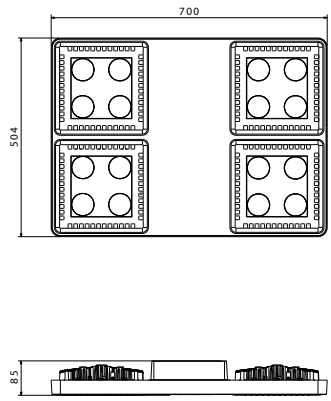
**SMART[4]**  
LB 2.0 4+4L EMERGENCY VERSION



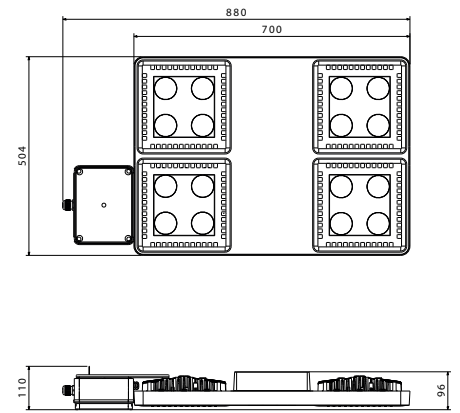
**SMART[4]**  
LB 2.0 5+5L



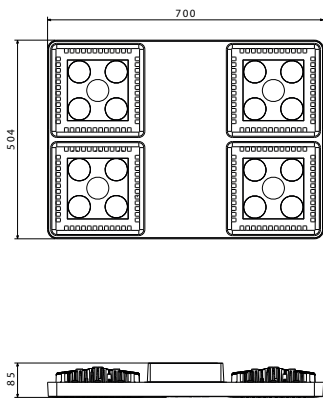
**SMART[4]**  
LB 2.0 4X4L



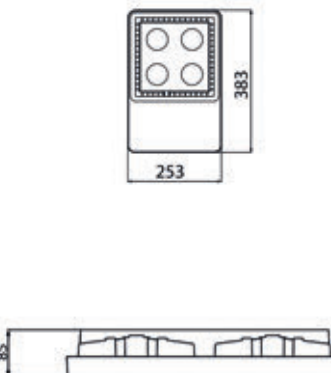
**SMART[4]**  
LB 2.0 4X4L EMERGENCY VERSION



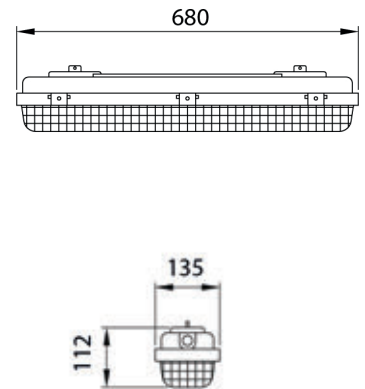
**SMART[4]**  
LB 2.0 4X5L



**SMART[4]**  
2.1 HLO

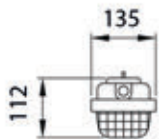
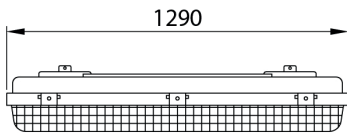


**ZNT**  
1X18

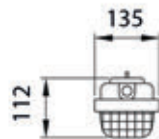
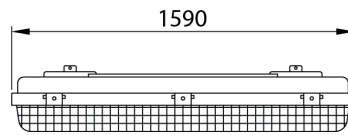


# Dimensions

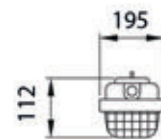
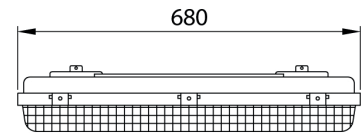
**ZNT**  
1X36



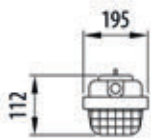
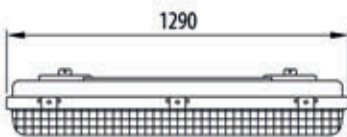
**ZNT**  
1X58



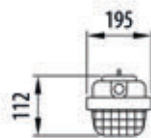
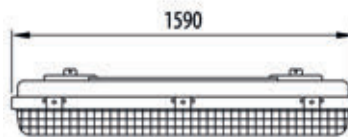
**ZNT**  
2X18



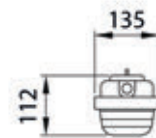
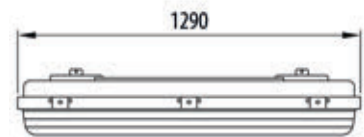
**ZNT**  
2X36



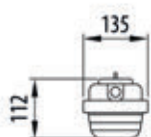
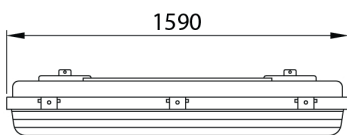
**ZNT**  
2X58



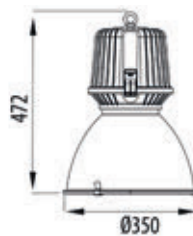
**CLICK 21**  
1X36/2X36/1X28/2X28



**CLICK 21**  
1X58/2X58/1X49/2X49



**MINI HALLE**  
SMOOTH OPTICS



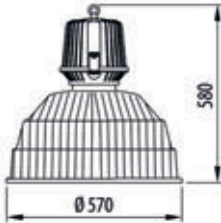
**MINI HALLE**  
SEMI-TRANSPARENT OPTIC



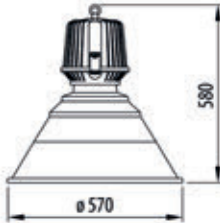
**HALLE**  
SMOOTH OPTICS



**HALLE**  
DIFFUSED OPTICS



**HALLE**  
RESTRICTED BEAM OPTICS



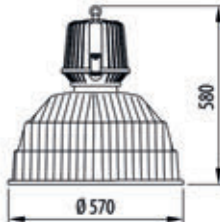
**HALLE ATEX**  
SMOOTH OPTICS



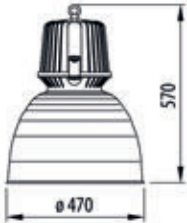
**HALLE RAPID WIRING**  
SMOOTH OPTICS



**HALLE RAPID WIRING**  
DIFFUSED OPTICS



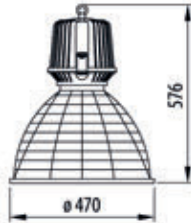
**HALLE TS**  
TRANSPARENT OPTICS



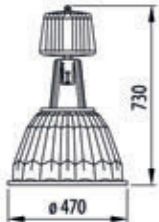
**HALLE TS**  
SMOOTH OPTICS



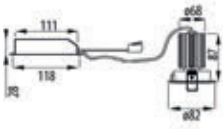
**HALLE TS**  
PRISMATIZED OPTICS



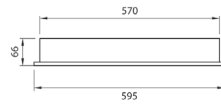
**KONO**



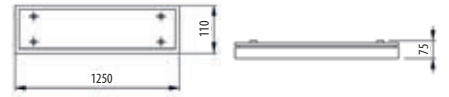
**ASTRID 75**



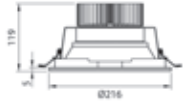
**ASTRID 60X60**  
DOWNLIGHT - DARK LIGHT OPTIC



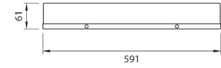
**IRIDE 1x36**



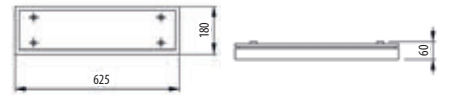
**ASTRID ROUND Ø 200 mm**



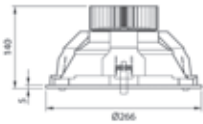
**ASTRID 60X60**  
LUMINAIRE - DARK LIGHT OPTIC



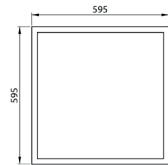
**IRIDE 2x18**



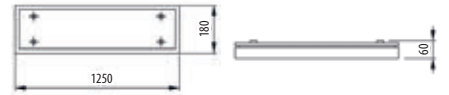
**ASTRID ROUND Ø 250 mm**



**ASTRID FULL PANEL 60X60**



**IRIDE 2x36**



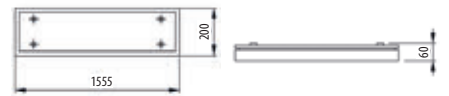
**ASTRID SQUARE 200x200 mm**



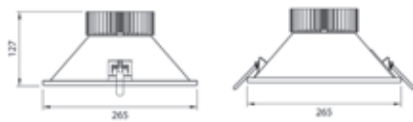
**ASTRID 30X120**  
DOWNLIGHT- DIFFUSED OPTIC



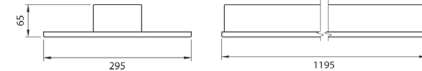
**IRIDE 2x58**



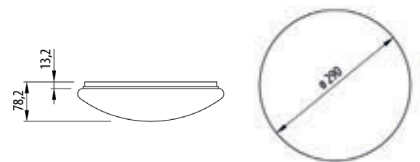
**ASTRID SQUARE 250x250 mm**



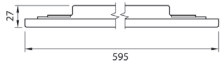
**ASTRID 30X120**  
DOWNLIGHT - DARK LIGHT OPTIC



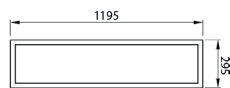
**MANTA 29**



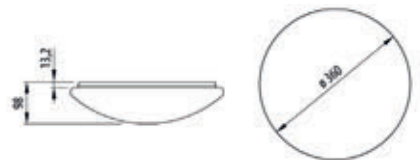
**ASTRID 60X60**  
DOWNLIGHT- DIFFUSED OPTIC



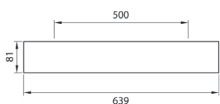
**ASTRID FULL PANEL 30X120**



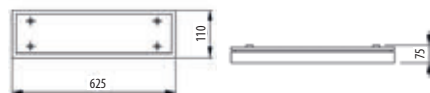
**MANTA 36**



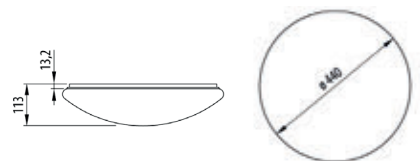
**ASTRID 60X60**  
LUMINAIRE - DIFFUSED OPTIC



**IRIDE 1x18**

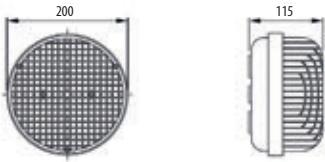


**MANTA 44**

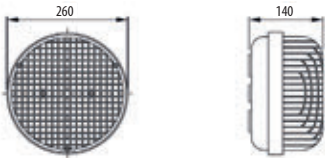




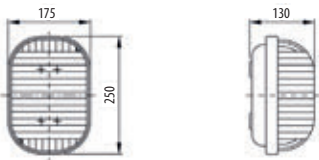
**BOLLA 200**



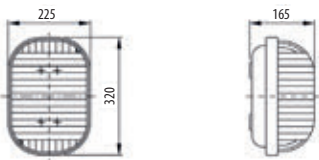
**BOLLA 260**



**GUSCIO 250**



**GUSCIO 320**



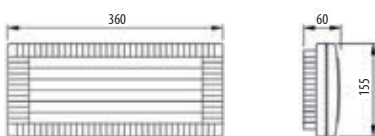
**TONDA ES 180**



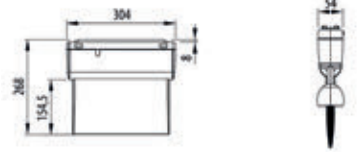
**TONDA ES 230**



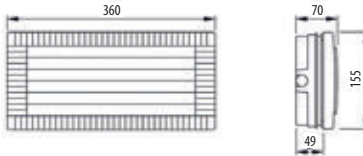
**STARTEC NET**  
WALL OR CEILING MOUNTING DEVICES-8-24W



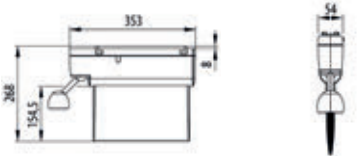
**STARTEC NET**  
DOUBLE SIDED DEVICES LED-MAINTAINED LIGHTING



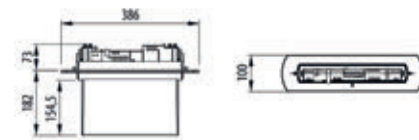
**STARTEC EIB**  
DEVICES FOR FLUSH-MOUNTING IN WALLS-8/24W



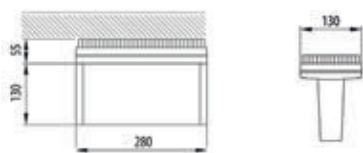
**STARTEC NET**  
DOUBLE SIDED DEVICES LED-MAINTAINED LIGHTING-WITH DIRECTIONAL SPOTLIGHT



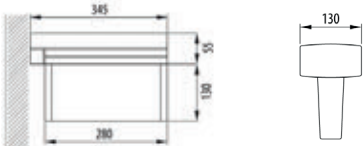
**STARTEC NET**  
DOUBLE SIDED DEVICES LED-FOR FLUSH-MOUNTING LED - MAINTAINED LIGHTING



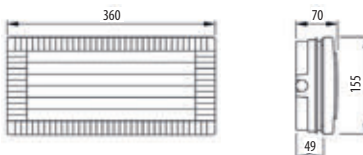
**STARTEC NET**  
DOUBLE SIDED DEVICES - FLUORESCENT-CEILING-MOUNTING - MAINTAINED LIGHTING



**STARTEC NET**  
DOUBLE SIDED DEVICES - FLUORESCENT-WALL-MOUNTING - MAINTAINED LIGHTING



**STARTEC NET**  
DEVICES FOR FLUSH-MOUNTING IN WALLS-8/24W



**STARTEC NET**  
WATERTIGHT WALL OR CEILING MOUNTING DEVICES



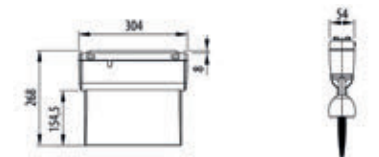
**STARTEC CHECK**  
DOUBLE SIDED DEVICES - FLUORESCENT-CEILING-MOUNTING - MAINTAINED LIGHTING



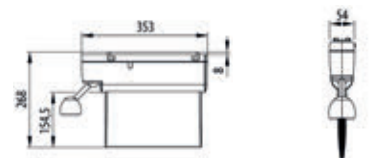
**STARTEC EIB**  
WALL OR CEILING MOUNTING DEVICES-8/24W



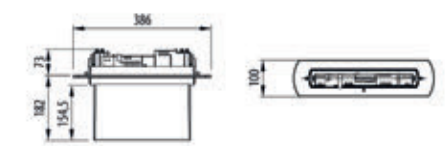
**STARTEC EIB**  
DOUBLE SIDED DEVICES LED-MAINTAINED LIGHTING



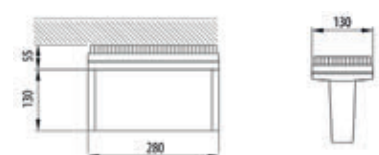
**STARTEC EIB**  
DOUBLE SIDED DEVICES LED-MAINTAINED LIGHTING-WITH DIRECTIONAL SPOTLIGHT



**STARTEC EIB**  
DOUBLE SIDED DEVICES LED-FOR FLUSH-MOUNTING LED - MAINTAINED LIGHTING

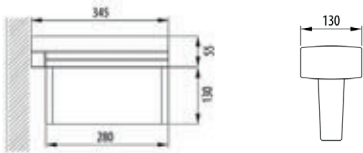


**STARTEC EIB**  
DOUBLE SIDED DEVICES - FLUORESCENT-CEILING-MOUNTING - MAINTAINED LIGHTING



### STARTEC EIB

DOUBLE SIDED DEVICES - FLUORESCENT-WALL-MOUNTING - MAINTAINED LIGHTING



### STARTEC BASIC

WALL OR CEILING MOUNTING DEVICES-8/24W



### STARTEC GSE

DOUBLE SIDED DEVICES LED-MAINTAINED LIGHTING



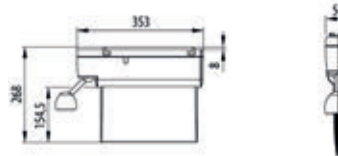
### STARTEC BASIC

WALL OR CEILING MOUNTING DEVICES-8/24W



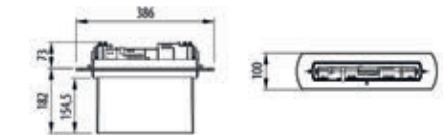
### STARTEC GSE

DOUBLE SIDED DEVICES LED-FOR FLUSH-MOUNTING LED - MAINTAINED LIGHTING



### STARTEC GSE

DOUBLE SIDED DEVICES - FLUORESCENT-CEILING-MOUNTING - MAINTAINED LIGHTING



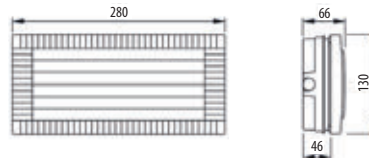
### STARTEC EIB

WATERTIGHT WALL OR CEILING MOUNTING DEVICES



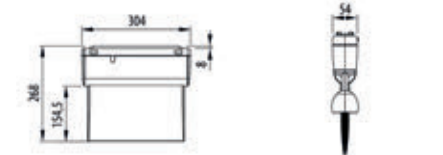
### STARTEC CHECK

DEVICES FOR FLUSH-MOUNTING IN WALLS-6W



### STARTEC BASIC

DOUBLE SIDED DEVICES LED-MAINTAINED LIGHTING



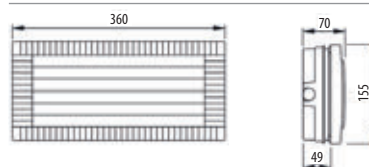
### STARTEC CHECK

WALL OR CEILING MOUNTING DEVICES-6W



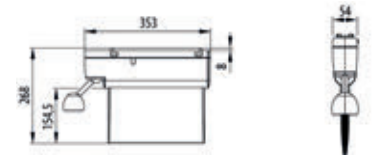
### STARTEC CHECK

DEVICES FOR FLUSH-MOUNTING IN WALLS-8/24W



### STARTEC BASIC

DOUBLE SIDED DEVICES LED-MAINTAINED LIGHTING-WITH DIRECTIONAL SPOTLIGHT



### STARTEC CHECK

WALL OR CEILING MOUNTING DEVICES-8/24W



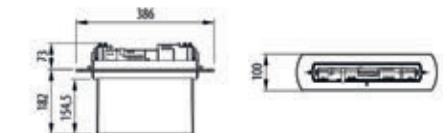
### STARTEC CHECK

WATERTIGHT WALL OR CEILING MOUNTING DEVICES



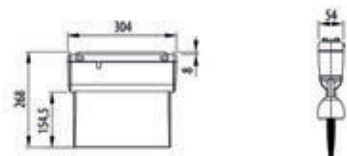
### STARTEC BASIC

DOUBLE SIDED DEVICES LED-FOR FLUSH-MOUNTING LED - MAINTAINED LIGHTING



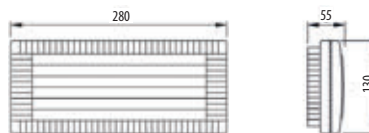
### STARTEC CHECK

DOUBLE SIDED DEVICES LED-MAINTAINED LIGHTING



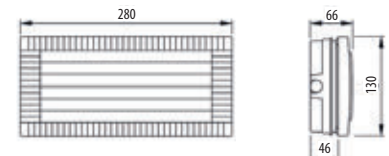
### STARTEC BASIC

WALL OR CEILING MOUNTING DEVICES-6W



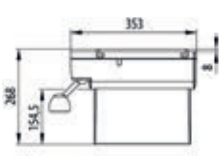
### STARTEC BASIC

DEVICES FOR FLUSH-MOUNTING IN WALLS-6W



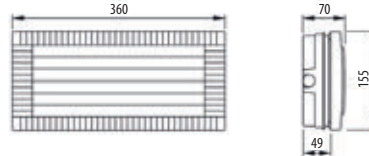
### STARTEC CHECK

DOUBLE SIDED DEVICES LED-MAINTAINED LIGHTING-WITH DIRECTIONAL SPOTLIGHT



### STARTEC BASIC

DEVICES FOR FLUSH-MOUNTING IN WALLS-8/24W



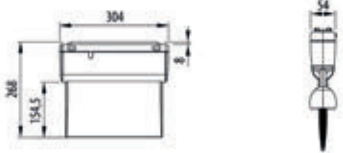
### STARTEC BASIC

WATERTIGHT WALL OR CEILING MOUNTING DEVICES 6W



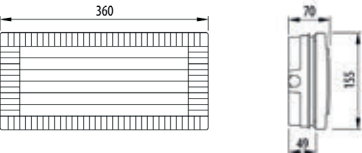
**STARTEC GSE**

DOUBLE SIDED DEVICES LED-MAINTAINED  
LIGHTING-WITH DIRECTIONAL SPOTLIGHT



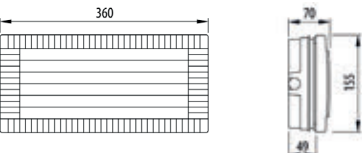
**STARTEC GSE**

DEVICES FOR FLUSH-MOUNTING IN WALLS-  
8/24W



**STARTEC GSE**

WATERTIGHT WALL OR CEILING MOUNTING  
DEVICES





# Quick Reference

# Quick Reference

Code	Quantity		Page
	Pack/carton	Pallet	
<b>GW68</b>			
GW 68 994	1	110	316
<b>GW80</b>			
GW 80 101	1/28	28	234
GW 80 102	1/28	28	234
GW 80 103	1/28	28	234
GW 80 104	1/20	20	234
GW 80 105	1/20	20	234
GW 80 106	1/20	20	234
GW 80 131	1/28	28	237
GW 80 132	1/28	28	237
GW 80 133	1/28	28	237
GW 80 134	1/20	20	237
GW 80 135	1/20	20	237
GW 80 136	1/20	20	237
GW 80 141	1/28	28	234
GW 80 142	1/28	28	234
GW 80 143	1/28	28	234
GW 80 144	1/20	20	234
GW 80 145	1/20	20	234
GW 80 146	1/20	20	234
GW 80 191 F	1/28	28	235
GW 80 192 F	1/20	20	235
GW 80 193 F	1/28	28	235
GW 80 194 F	1/28	28	235
GW 80 195 F	1/20	20	235
GW 80 198	1/28	28	237
GW 80 361	1/28	28	236
GW 80 362	1/28	28	236
GW 80 364	1/28	28	236
GW 80 366	1/28	28	236
GW 80 471	12	10080	338
GW 80 472	12	10080	338
GW 80 473	12	10080	338
GW 80 474	12	10080	338
GW 80 542	30	840	237
GW 80 543	30	600	237
GW 80 545	30	600	237
GW 80 546	30	600	237
GW 80 547	30	720	237
GW 80 548	30	840	237
GW 80 571	1	96	297
GW 80 574	1	36	297
GW 80 576	1	60	298
GW 80 579	1	20	298
GW 80 581	1	44	300
GW 80 584	1	40	300
GW 80 585	1	40	301
GW 80 591	1/10	40	303
GW 80 592	1/4	24	305
GW 80 601	1/10	200	307
GW 80 604	1/10	200	307
GW 80 610	1/6	96	309
GW 80 616	1/10	400	303
GW 80 622	1/4	144	305
GW 80 644	1/6	48	308
GW 80 646	1/10	80	308
GW 80 651	1/24	600	310
GW 80 652	1/14	280	311
GW 80 761	1/10	250	303
GW 80 763	1/4	120	305
GW 80 771	1/10	80	307
GW 80 772	1/10	80	307

Code	Quantity		Page
	Pack/carton	Pallet	
GW 80 774	1/6	96	309
GW 80 782	1/112	112	240
GW 80 783	1/112	112	240
GW 80 785	1/112	112	240
GW 80 786	1/112	112	240
GW 80 882	1/112	112	240
GW 80 883	1/112	112	240
GW 80 885	1/112	112	240
GW 80 886	1/112	112	240
GW 80 961	1/2	256	323
GW 80 982	1/56	56	241
GW 80 983	1/56	56	241
GW 80 985	1/28	28	241
GW 80 986	1/28	28	241
GW 80 992	1/28	28	241
GW 80 993	1/28	28	241
GW 80 995	1/28	28	241
GW 80 996	1/28	28	241
<b>GW81</b>			
GW 81 001	1/8	64	304
GW 81 002	1/8	80	304
GW 81 006	1/8	80	304
GW 81 007	1/8	80	304
GW 81 011	1/6	36	306
GW 81 012	1/6	36	306
GW 81 016	1/6	36	306
GW 81 017	1/6	36	306
GW 81 062	1/28	28	236
GW 81 063	1/28	28	236
GW 81 064	1/20	20	236
GW 81 065	1/20	20	236
GW 81 066	1/20	20	236
GW 81 074	1/20	20	236
GW 81 075	1/20	20	236
GW 81 076	1/20	20	236
GW 81 081	1/28	28	238
GW 81 082	1/28	28	238
GW 81 083	1/28	28	238
GW 81 084	1/20	20	238
GW 81 085	1/20	20	238
GW 81 086	1/20	20	238
GW 81 291	1	432	332
GW 81 292	1	324	332
GW 81 296	1	324	332
GW 81 363	1	256	315
GW 81 370	1	60	331
GW 81 375	1	60	331
GW 81 378	1	312	330
GW 81 379	1	110	315
GW 81 396	1	60	331
GW 81 451	1	60	331
GW 81 452	1	60	331
GW 81 453	1	0	330
GW 81 454	1	60	331
GW 81 601	1/4	64	325
GW 81 602	1/4	64	325
GW 81 603	1/4	64	325
GW 81 604	1/4	64	325
GW 81 611	1/4	32	325
GW 81 612	1/4	64	325
GW 81 621	1/4	24	326
GW 81 622	1/4	24	326
GW 81 623	1/4	24	326

Code	Quantity		Page
	Pack/carton	Pallet	
GW 81 624	1/4	24	326
GW 81 631	1/4	32	321
GW 81 632	1/4	64	321
GW 81 633	1/4	64	321
GW 81 634	1/4	64	321
GW 81 641	1/4	64	321
GW 81 642	1/4	64	321
GW 81 651	1/4	24	322
GW 81 652	1/4	24	322
GW 81 653	1/4	24	322
GW 81 654	1/4	24	322
GW 81 661	1/4	64	313
GW 81 662	1/4	64	313
GW 81 663	1/4	64	313
GW 81 664	1/4	64	313
GW 81 671	1/4	64	314
GW 81 672	1/4	64	314
GW 81 681	1/4	24	314
GW 81 682	1/4	24	314
GW 81 683	1/4	24	314
GW 81 684	1/4	24	314
GW 81 691	1/24	384	314
GW 81 691	1/24	384	319
GW 81 691	1/24	384	322
GW 81 691	1/24	384	326
GW 81 691	1/24	384	329
GW 81 692	1/24	384	314
GW 81 692	1/24	384	319
GW 81 692	1/24	384	322
GW 81 692	1/24	384	326
GW 81 692	1/24	384	329
GW 81 692	1/24	384	314
GW 81 692	1/24	384	319
GW 81 692	1/24	384	322
GW 81 692	1/24	384	326
GW 81 692	1/24	384	319
GW 81 692	1/24	384	322
GW 81 692	1/24	384	326
GW 81 692	1/24	384	329
GW 81 692	1/24	384	318
GW 81 692	1/24	384	319
GW 81 692	1/24	384	322
GW 81 692	1/24	384	326
GW 81 692	1/24	384	329
GW 81 692	1/24	384	318
GW 81 692	1/24	384	319
GW 81 692	1/24	384	322
GW 81 692	1/24	384	326
GW 81 692	1/24	384	329
GW 81 692	1/24	384	318
GW 81 692	1/24	384	319
GW 81 692	1/24	384	322
GW 81 692	1/24	384	326
GW 81 692	1/24	384	329
GW 81 692	1/24	384	318
GW 81 692	1/24	384	319
GW 81 692	1/24	384	322
GW 81 692	1/24	384	326
GW 81 692	1/24	384	329
GW 81 692	1/24	384	318
GW 81 692	1/24	384	319
GW 81 692	1/24	384	322
GW 81 692	1/24	384	326
GW 81 692	1/24	384	329
GW 81 692	1/24	384	318
GW 81 692	1/24	384	319
GW 81 692	1/24	384	322
GW 81 692	1/24	384	326
GW 81 692	1/24	384	329
GW 81 692	1/24	384	318
GW 81 692	1/24	384	319
GW 81 692	1/24	384	322
GW 81 692	1/24	384	326
GW 81 692	1/24	384	329
GW 81 692	1/24	384	318
GW 81 692	1/24	384	319
GW 81 692	1/24	384	322
GW 81 692	1/24	384	326
GW 81 692	1/24	384	329
GW 81 692	1/24	384	318
GW 81 692	1/24	384	319
GW 81 692	1/24	384	322
GW 81 692	1/24	384	326
GW 81 692	1/24	384	329
GW 81 692	1/24	384	318
GW 81 692	1/24	384	319
GW 81 692	1/24	384	322
GW 81 692	1/24	384	326
GW 81 692	1/24	384	329
GW 81 692	1/24	384	318
GW 81 692	1/24	384	319
GW 81 692	1/24	384	322
GW 81 692	1/24	384	326
GW 81 692	1/24	384	329
GW 81 692	1/24	384	318
GW 81 692	1/24	384	319
GW 81 692	1/24	384	322
GW 81 692	1/24	384	326
GW 81 692	1/24	384	329
GW 81 692	1/24	384	318
GW 81 692	1/24	384	319
GW 81 692	1/24	384	322
GW 81 692	1/24	384	326
GW 81 692	1/24	384	329
GW 81 692	1/24	384	318
GW 81 692	1/24	384	319
GW 81 692	1/24	384	322
GW 81 692	1/24	384	326
GW 81 692	1/24	384	329
GW 81 692	1/24	384	318
GW 81 692	1/24	384	319
GW 81 692	1/24	384	322
GW 81 692	1/24	384	326
GW 81 692	1/24	384	329
GW 81 692	1/24	384	318
GW 81 692	1/24	384	319
GW 81 692	1/24	384	322
GW 81 692	1/24	384	326
GW 81 692	1/24	384	329
GW 81 692	1/24	384	318
GW 81 692	1/24	384	319
GW 81 692	1/24	384	322
GW 81 692	1/24	384	326
GW 81 692	1/24	384	329
GW 81 692	1/24	384	

Code	Quantity		Page
	Pack/carton	Pallet	
<b>GW82</b>			
GW 82 011 B	1/2	24	179
GW 82 011 G	1/2	20	179
GW 82 016 B	1/2	10	179
GW 82 016 G	1/2	20	179
GW 82 081	1	10	153
GW 82 082	1	0	153
GW 82 082 B	1	0	153
GW 82 083	1	12	153
GW 82 084	1	6	153
GW 82 085	1	18	153
GW 82 085 B	1	18	153
GW 82 086	1	10	153
GW 82 087	1	4	153
GW 82 088	1	4	153
GW 82 088 B	1	0	153
GW 82 089	1	4	153
GW 82 096	1	6	153
GW 82 101	1	160	163
GW 82 106	1	160	164
GW 82 112	1	42	164
GW 82 113	1	84	164
GW 82 137	1	72	165
GW 82 138	1	84	165
GW 82 143	1	20	166
GW 82 144	1	20	166
GW 82 191	1	0	172
GW 82 192	1	110	175
GW 82 193	1/10	960	170
GW 82 193	1/10	960	173
GW 82 193	1/10	960	175
GW 82 194	1/10	960	175
GW 82 202	1/2	72	181
GW 82 206	1/2	72	181
GW 82 214 S	1/2	72	181
GW 82 242	1/2	72	182
GW 82 246	1/2	24	182
GW 82 247	1/2	12	182
GW 82 253	1/5	160	184
GW 82 255	1/6	144	184
GW 82 257	1/5	75	186
GW 82 259	1	35	185
GW 82 261	1	42	185
GW 82 263	1	55	185
GW 82 265	1	45	185
GW 82 267	1/4	40	185
GW 82 270	1/5	50	186
GW 82 273	1	42	185
GW 82 281 S	1/2	72	181
GW 82 286	1/2	72	182
GW 82 289	1/2	36	187
GW 82 290	1/6	144	184
GW 82 291	1/5	160	184
GW 82 292	1	45	185
GW 82 292 B	1	45	185
GW 82 293	1	72	185
GW 82 294	1	54	185
GW 82 295	1	42	185
GW 82 296	1	72	185
GW 82 297	1/4	32	185
GW 82 297 B	1/4	32	185
GW 82 298	1/5	75	186
GW 82 299	1/5	40	186
GW 82 801	1	105	163

Code	Quantity		Page
	Pack/carton	Pallet	
GW 82 806	1	160	164
GW 82 812	1	80	164
GW 82 813	1	63	164
GW 82 837	1	48	165
GW 82 838	1	84	165
GW 82 843	1	40	166
GW 82 844	1	20	166
GW 82 851	1	40	174
GW 82 852	1	14	174
GW 82 853	1	20	174
GW 82 854	1	20	175
GW 82 855	1	20	175
GW 82 860	1	15	169
GW 82 861	1	216	169
GW 82 862	1	48	169
GW 82 866	1	216	170
GW 82 867	1	216	170
GW 82 869	1	48	170
GW 82 870	1	144	170
GW 82 871	1	216	171
GW 82 872	1	20	171
GW 82 876	1	216	172
GW 82 877	1	216	172
GW 82 880	1	8	171
GW 82 882	1/10	1740	161
GW 82 883	1/5	180	155
GW 82 886	1	140	161
GW 82 887	1	39	161
GW 82 889	1	32	161
GW 82 890	1	20	161
GW 82 891	1/12	60	170
GW 82 891	1/12	60	172
GW 82 891	1/12	60	176
GW 82 892	1/4	80	170
GW 82 892	1/4	80	172
GW 82 892	1/4	80	176
GW 82 893	1/2	252	170
GW 82 893	1/2	252	172
GW 82 893	1/2	252	176
GW 82 894	1/10	1260	170
GW 82 895	1/10	2800	172
GW 82 895	1/10	2800	176
GW 82 896	1	56	167
GW 82 898	1	64	167
GW 82 912	1	160	156
GW 82 913	1	16	156
GW 82 922	1	42	156
GW 82 923	1	33	156
GW 82 927	1	39	157
GW 82 928	1	33	157
GW 82 933	1	39	157
GW 82 934	1	0	157
GW 82 943	1	24	158
GW 82 944	1	30	158
GW 82 948	1	33	158
GW 82 949	1	0	158
GW 82 961	1	105	155
GW 82 963	1	72	155
GW 82 966	1	105	161
GW 82 967	1	105	161
GW 82 993	1	40	159
GW 82 998	1	20	160

Code	Quantity		Page
	Pack/carton	Pallet	
<b>GW83</b>			
GW 83 003 M	1	16	243
GW 83 004 M	1	12	243
GW 83 006 M	1	12	243
GW 83 007 M	1	12	243
GW 83 028 M	1	12	244
GW 83 029 M	1	12	244
GW 83 031 M	1	12	244
GW 83 032 M	1	12	244
GW 83 128 M	1	12	246
GW 83 129 M	1	12	246
GW 83 131 M	1	12	246
GW 83 132 M	1	12	246
GW 83 153 M	1	12	248
GW 83 154 M	1	12	248
GW 83 156 M	1	12	248
GW 83 157 M	1	12	248
GW 83 228 M	1	12	249
GW 83 229 M	1	12	249
GW 83 231 M	1	12	249
GW 83 232 M	1	12	249
GW 83 301	1	12	256
GW 83 303	1	12	256
GW 83 304	1	16	256
GW 83 306	1	12	256
GW 83 307	1	12	256
GW 83 326	1	12	257
GW 83 328	1	12	257
GW 83 329	1	12	257
GW 83 331	1	12	257
GW 83 332	1	12	257
GW 83 401	1	12	253
GW 83 403	1	12	253
GW 83 404	1	12	253
GW 83 406	1	12	253
GW 83 407	1	12	253
GW 83 426	1	16	259
GW 83 428	1	16	259
GW 83 429	1	20	259
GW 83 431	1	16	259
GW 83 432	1	12	259
GW 83 451	1	12	260
GW 83 453	1	12	260
GW 83 454	1	12	260
GW 83 456	1	12	260
GW 83 457	1	12	260
GW 83 476	1	12	254
GW 83 478	1	12	254
GW 83 479	1	12	254
GW 83 481	1	12	254
GW 83 482	1	12	254
GW 83 501	1	12	243
GW 83 505	1	12	246
GW 83 506	1	12	248
GW 83 508	1	12	249
GW 83 509	1	12	256
GW 83 510	1	12	256
GW 83 517	1	12	253
GW 83 518	1	12	253
GW 83 521	1	12	259
GW 83 522	1	12	259
GW 83 531	1	100	245
GW 83 531	1	100	258
GW 83 531	1	100	261

# Quick Reference

Code	Quantity		Page
	Pack/carton	Pallet	
GW 83 534	1	16	247
GW 83 534	1	16	250
GW 83 535	1	40	248
GW 83 537	1	100	255
GW 83 537	1	100	268
GW 83 538	1	312	255
GW 83 538	1	312	258
GW 83 538	1	312	261
GW 83 563 M	1	12	251
GW 83 563 S	1	12	251
GW 83 564 M	1	12	251
GW 83 566 M	1	12	251
GW 83 566 S	1	12	251
GW 83 567 M	1	12	251
GW 83 624 M	1	0	252
GW 83 625 M	1	16	252
GW 83 629 M	1	12	252
GW 83 630 M	1	12	252
GW 83 645 M	1	12	252
GW 83 650 M	1	12	252
GW 83 903 C	1	12	244
GW 83 904 C	1	12	244
GW 83 914 C	1	14	254

GW84			
Code	Quantity	Pallet	Page
GW 84 011 M	1	50	84
GW 84 011 S	1	20	84
GW 84 012 S	1	20	84
GW 84 013 M	1	20	84
GW 84 014 M	1	50	84
GW 84 014 S	1	20	84
GW 84 015 M	1	20	84
GW 84 015 S	1	20	84
GW 84 016 S	1	20	84
GW 84 017 M	1	20	84
GW 84 018 M	1	50	84
GW 84 018 S	1	20	84
GW 84 031 M	1	50	86
GW 84 031 S	1	50	86
GW 84 032 M	1	50	86
GW 84 032 S	1	20	86
GW 84 033 M	1	20	86
GW 84 033 S	1	20	86
GW 84 034 M	1	50	86
GW 84 034 S	1	20	86
GW 84 041 M	1	20	87
GW 84 042 M	1	20	87
GW 84 043 M	1	20	87
GW 84 044 M	1	20	87
GW 84 051	1	20	88
GW 84 052	1	20	88
GW 84 053	1	20	88
GW 84 054	1	20	88
GW 84 055	1	10	88
GW 84 056	1	20	88
GW 84 057 S	1	20	88
GW 84 059	1	20	89
GW 84 071	1	40	91
GW 84 072	1/2	80	91
GW 84 073	1/5	90	91
GW 84 075	1/5	810	91
GW 84 076	1/5	60	91
GW 84 077	1	24	90
GW 84 078	1	144	91

Code	Quantity		Page
	Pack/carton	Pallet	
GW 84 079	1	15	90
GW 84 080	1	7	90
GW 84 081	1	50	85
GW 84 082	1	20	85
GW 84 083	1	20	85
GW 84 084	1	20	85
GW 84 085	1	50	86
GW 84 086	1	20	86
GW 84 087	1	20	87
GW 84 088	1	20	87
GW 84 089	1	20	89
GW 84 090	1	20	89
GW 84 091	1	20	89
GW 84 096	1	50	28
GW 84 096	1	50	90
GW 84 097	1	50	28
GW 84 097	1	50	90
GW 84 104 M	1	16	263
GW 84 104 S	1	16	263
GW 84 105 M	1	20	263
GW 84 106 M	1	20	263
GW 84 106 S	1	16	263
GW 84 107 M	1	20	263
GW 84 121	1	20	264
GW 84 122	1	16	264
GW 84 173	1	0	150
GW 84 173 B	1	16	150
GW 84 174	1	20	151
GW 84 174 B	1	20	151
GW 84 183	1	10	150
GW 84 184	1	20	151
GW 84 201	1/12	240	81
GW 84 202	1	64	81
GW 84 203	1	64	81
GW 84 204	1	50	81
GW 84 205	1	28	81
GW 84 213	1/5	360	82
GW 84 214	1/5	400	82
GW 84 215	1/12	240	81
GW 84 220	1	24	82
GW 84 221	1/5	400	82
GW 84 222	1/5	100	82
GW 84 223	1/5	800	82
GW 84 359	1/4	768	151
GW 84 361	1/4	200	151
GW 84 407	1/5	480	104
GW 84 408	1/5	100	104
GW 84 433	1	25	99
GW 84 434	1	25	101
GW 84 435	1	25	102
GW 84 436	1	10	103
GW 84 460 S	1	25	99
GW 84 461 M	1	25	99
GW 84 461 S	1	25	99
GW 84 464 M	1	25	99
GW 84 464 S	1	25	99
GW 84 465 M	1	42	99
GW 84 466 M	1	42	99
GW 84 467	1	10	100
GW 84 468	1	20	100
GW 84 491 M	1	25	100
GW 84 491 S	1	25	100
GW 84 494 M	1	25	100
GW 84 494 S	1	25	100

Code	Quantity		Page
	Pack/carton	Pallet	
GW 84 495 M	1	25	100
GW 84 496 M	1	25	100
GW 84 497	1	10	101
GW 84 520 M	1	10	102
GW 84 520 S	1	10	102
GW 84 521 M	1	10	102
GW 84 522 M	1	10	102
GW 84 522 S	1	10	102
GW 84 523 M	1	25	102
GW 84 551 M	1	10	103
GW 84 551 S	1	10	103
GW 84 552 M	1	10	103
GW 84 553 S	1	10	103
GW 84 554 M	1	10	103
GW 84 581 M	1	10	106
GW 84 581 S	1	25	106
GW 84 582 M	1	10	106
GW 84 583 M	1	25	106
GW 84 583 S	1	25	106
GW 84 584 M	1	25	106
GW 84 591 M	1	5	106
GW 84 591 S	1	10	106
GW 84 592 M	1	10	106
GW 84 593 M	1	10	106
GW 84 593 S	1	5	106
GW 84 594 M	1	10	106
GW 84 611	1	10	104
GW 84 611	1	10	113
GW 84 612	1	18	104
GW 84 612	1	18	113
GW 84 613	1	18	104
GW 84 613	1	18	113
GW 84 616	1	30	104
GW 84 616	1	30	113
GW 84 616	1	30	119
GW 84 617	1	10	104
GW 84 617	1	10	113
GW 84 617	1	10	119
GW 84 618	1	12	104
GW 84 618	1	12	113
GW 84 618	1	12	119
GW 84 621	1	30	113
GW 84 621	1	30	119
GW 84 622	1	10	113
GW 84 622	1	10	119
GW 84 623	1	10	113
GW 84 623	1	10	119
GW 84 624	1	10	114
GW 84 626	1	10	113
GW 84 626	1	10	119
GW 84 627	1	10	113
GW 84 628	1	18	113
GW 84 629	1	18	113
GW 84 636	1	10	104
GW 84 636	1	10	113
GW 84 637	1	16	104
GW 84 637	1	16	113
GW 84 637	1	16	119
GW 84 638	1	16	113
GW 84 639	1	16	113
GW 84 639	1	16	119
GW 84 644	1	16	108
GW 84 646	1	16	108



Code	Quantity		Page
	Pack/carton	Pallet	
GW 84 647	1	16	108
GW 84 648	1	16	108
GW 84 649	1	16	108
GW 84 656	1	16	112
GW 84 657	1	16	112
GW 84 658	1	16	109
GW 84 659	1	16	109
GW 84 660	1	16	109
GW 84 662	1	8	117
GW 84 663	1	8	117
GW 84 667	1	8	117
GW 84 668	1	8	117
GW 84 672	1	8	118
GW 84 673	1	8	118
GW 84 693	1	16	108
GW 84 694	1	16	109
GW 84 695	1	16	110
GW 84 696	1	16	111
GW 84 744	1	16	110
GW 84 747	1	16	110
GW 84 748	1	16	110
GW 84 749	1	16	110
GW 84 754	1	16	112
GW 84 755	1	16	112
GW 84 756	1	16	112
GW 84 757	1	16	112
GW 84 759	1	16	111
GW 84 760	1	16	111
GW 84 761	1	16	114
GW 84 766	1	16	114
GW 84 771	1	16	114
GW 84 781	1	8	115
GW 84 783	1	36	104
GW 84 783	1	36	115
GW 84 783	1	36	118
GW 84 814	5	100	245
GW 84 814	5	100	258
GW 84 814	5	100	261
GW 84 814	5	100	264
GW 84 814	5	100	266
GW 84 818	25	500	264
GW 84 818	25	500	266
GW 84 819	5	300	266
GW 84 820	1	41	245
GW 84 820	1	41	258
GW 84 820	1	41	261
GW 84 820	1	41	264
GW 84 820	1	41	266
GW 84 873	1	16	265
GW 84 878	1	16	265
GW 84 883 M	1	16	265
GW 84 883 S	1	16	265
GW 84 885 M	1	16	265
GW 84 885 S	1	16	265
GW 84 886 M	1	16	265
GW 84 887 M	1	20	265
GW 84 981	1/4	128	266
GW 84 982	1/5	120	264
GW 84 982	1/5	120	266
GW 84 983	1/5	70	255
GW 84 983	1/5	70	266
GW 84 983	1/5	70	268
GW 84 984	1/4	72	266

Code	Quantity		Page
	Pack/carton	Pallet	
<b>GW85</b>			
GW 85 001 M	1	54	70
GW 85 001 S	1	24	70
GW 85 002 M	1	54	70
GW 85 002 S	1	24	70
GW 85 004 M	1	24	70
GW 85 005 S	1	24	70
GW 85 031 M	1	54	71
GW 85 031 S	1	24	71
GW 85 032 S	1	24	71
GW 85 033 M	1	54	71
GW 85 033 S	1	24	71
GW 85 051 M	1	24	72
GW 85 051 S	1	24	72
GW 85 052 M	1	24	72
GW 85 052 S	1	24	72
GW 85 071	1/5	60	73
GW 85 072	1/5	80	73
GW 85 073	1/5	60	73
GW 85 074	1/2	40	73
GW 85 075	1/2	60	73
GW 85 080	1	24	121
GW 85 081	1	33	121
GW 85 082	1/5	480	73
GW 85 082	1/5	480	91
GW 85 083	1	100	121
GW 85 084	1	15	121
GW 85 085	1	24	121
GW 85 086	1	72	121
GW 85 087	1/2	15	121
GW 85 088	1	15	121
GW 85 091	1	54	70
GW 85 092	1	54	70
GW 85 093	1	54	71
GW 85 094	1	54	71
GW 85 095	1	24	72
GW 85 101 M	1	28	74
GW 85 101 S	1	28	74
GW 85 102 M	1	32	74
GW 85 104 M	1	28	74
GW 85 104 S	1	28	74
GW 85 105 M	1	32	74
GW 85 131 M	1	28	75
GW 85 131 S	1	28	75
GW 85 132 M	1	28	75
GW 85 133 M	1	28	75
GW 85 133 S	1	28	75
GW 85 134 M	1	28	75
GW 85 181	1/5	30	79
GW 85 182	1/4	24	79
GW 85 184	1/2	32	79
GW 85 185	1/2	24	79
GW 85 186	1	64	121
GW 85 187	1	31	121
GW 85 188	1	32	121
GW 85 191	1	28	74
GW 85 192	1	28	75
GW 85 201 M	1	6	76
GW 85 201 S	1	6	76
GW 85 202 M	1	6	76
GW 85 203 M	1	6	76
GW 85 203 S	1	6	76
GW 85 204 M	1	6	76
GW 85 221 M	1	28	77

Code	Quantity		Page
	Pack/carton	Pallet	
GW 85 221 S	1	28	77
GW 85 222 M	1	28	77
GW 85 223 M	1	6	77
GW 85 223 S	1	28	77
GW 85 224 M	1	28	77
GW 85 241 S	1	28	78
GW 85 242 M	1	28	78
GW 85 242 S	1	6	78
GW 85 291	1	28	76
GW 85 292	1	28	77
GW 85 293	1	28	78
GW 85 301 M	1	80	68
GW 85 301 S	1	32	68
GW 85 302 M	1	80	67
GW 85 302 S	1	32	67
GW 85 371	1/2	140	69
GW 85 376	1/2	100	69
GW 85 377	1/2	100	69
GW 85 378	1/2	100	69
GW 85 379	1/2	100	69
GW 85 391	1	80	68
GW 85 393	1	80	67
GW 85 401 M	1	24	92
GW 85 401 S	1	24	92
GW 85 402 M	1	24	92
GW 85 403 M	1	24	92
GW 85 403 S	1	24	92
GW 85 404 M	1	24	92
GW 85 421 M	1	24	93
GW 85 421 S	1	24	93
GW 85 422 M	1	24	93
GW 85 423 M	1	24	93
GW 85 423 S	1	24	93
GW 85 424 M	1	24	93
GW 85 441 M	1	24	94
GW 85 442 M	1	24	94
GW 85 451 M	1	24	95
GW 85 452 M	1	24	95
GW 85 453	1	24	96
GW 85 463 M	1	20	96
GW 85 464 M	1	24	96
GW 85 481	1/5	30	97
GW 85 482	1/5	180	97
GW 85 483	1/4	140	97
GW 85 484	1/4	120	97
GW 85 485	1/4	140	97
GW 85 491	1	32	92
GW 85 492	1	24	93
GW 85 493	1	24	94
GW 85 494	1	24	95
GW 85 646	1	10	144
GW 85 646 B	1	0	144
GW 85 661	1	10	143
GW 85 661 B	1	10	143
GW 85 662	1	10	143
GW 85 662 B	1	0	143
GW 85 663	1	10	143
GW 85 663 B	1	0	143
GW 85 666	1	10	144
GW 85 667	1	10	144
GW 85 668	1	10	144
GW 85 681	1	144	148
GW 85 682	1/5	50	148
GW 85 683	1/5	100	148

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Code	Quantity		Page
	Pack/carton	Pallet	
GW 85 685	1/2	30	148
GW 85 686	1	96	148
GW 85 687	1	0	148
GW 85 688	1/2	10	148
GW 85 691	1	195	52
GW 85 691	1	195	55
GW 85 691	1	195	145
GW 85 691	1	195	172
GW 85 691	1	195	176
GW 85 692	1	120	52
GW 85 692	1	120	55
GW 85 692	1	120	145
GW 85 692	1	120	172
GW 85 693	1	203	144
GW 85 894 M	1	12	267
GW 85 894 S	1	16	267
GW 85 895 M	1	12	267
GW 85 896 M	1	12	267
GW 85 896 S	1	16	267
GW 85 897 M	1	12	267
GW 85 926	1	20	247
GW 85 926	1	20	250
GW 85 927	1/5	25	248
GW 85 928	1	20	247
GW 85 928	1	20	250
GW 85 933	1	12	267
GW 85 934	1	16	267

## GW86

GW 86 166	1	70	45
GW 86 167	1	28	28
GW 86 242	1	144	45
GW 86 243	1	25	45
GW 86 244	1	15	45
GW 86 522	1/4	200	140
GW 86 522	1/4	200	147
GW 86 523	1/4	96	139
GW 86 523	1/4	96	147
GW 86 524	1	110	139
GW 86 524	1	110	147
GW 86 526	1	18	139
GW 86 526	1	18	146
GW 86 527	1	16	138
GW 86 527	1	16	146
GW 86 528	1	16	138
GW 86 528	1	16	146
GW 86 529	1	12	138
GW 86 529	1	12	146
GW 86 530	1	16	138
GW 86 530	1	16	146
GW 86 531	1	16	138
GW 86 531	1	16	146
GW 86 533	1	10	139
GW 86 533	1	10	146
GW 86 771	1	150	188
GW 86 772	1	150	188
GW 86 773	1	150	188
GW 86 775	1	200	187
GW 86 776	1	100	187
GW 86 777	1	100	187
GW 86 778	1	100	187

## GW87

GW 87 003	1	15	35
GW 87 004	1	15	35

Code	Quantity		Page
	Pack/carton	Pallet	
GW 87 005	1	15	35
GW 87 006	1	18	35
GW 87 007	1	15	35
GW 87 010	1	15	35
GW 87 022	1	15	36
GW 87 023	1	15	36
GW 87 024	1	15	36
GW 87 041	1	15	36
GW 87 042	1	15	36
GW 87 107	1	10	39
GW 87 109	1	14	39
GW 87 142	1	10	39
GW 87 203	1	12	37
GW 87 204	1	12	37
GW 87 205	1	12	37
GW 87 206	1	12	37
GW 87 209	1/5	120	37
GW 87 211	1/5	60	37
GW 87 213	1	12	37
GW 87 214	1	12	37
GW 87 215	1	12	37
GW 87 227	1	18	40
GW 87 229	1	12	40
GW 87 230	1	80	40
GW 87 232	1/5	50	40
GW 87 243	1	0	43
GW 87 244	1	28	43
GW 87 245	1	0	43
GW 87 246	1	0	43
GW 87 249	1/5	160	43
GW 87 251	1/5	0	43
GW 87 253	1	24	43
GW 87 254	1	0	43
GW 87 255	1	24	43
GW 87 303	1	15	41
GW 87 304	1	15	41
GW 87 305	1	15	41
GW 87 306	1	15	41
GW 87 307	1	15	42
GW 87 308	1	15	41
GW 87 309	1	15	41
GW 87 310	1	15	41
GW 87 311	1	15	41
GW 87 322	1	15	43
GW 87 323	1	15	43
GW 87 324	1	15	43
GW 87 341	1	15	42
GW 87 342	1	15	42
GW 87 343	1	0	42
GW 87 410	1	14	22
GW 87 411	1	14	22
GW 87 412	1	14	22
GW 87 413	1	14	22
GW 87 414	1	14	22
GW 87 430	1	14	24
GW 87 431	1	14	24
GW 87 432	1	14	24
GW 87 433	1	14	24
GW 87 434	1	14	24
GW 87 450	1	14	25
GW 87 451	1	14	25
GW 87 452	1	14	25
GW 87 453	1	14	25
GW 87 454	1	14	25

Code	Quantity		Page
	Pack/carton	Pallet	
GW 87 530	1	14	23
GW 87 531	1	14	23
GW 87 532	1	14	23
GW 87 533	1	14	23
GW 87 534	1	14	23
GW 87 571	1	14	23
GW 87 581	1	40	28
GW 87 582	1	20	28
GW 87 586	1	50	28
GW 87 587	1	30	28
GW 87 591	1	30	28
GW 87 591	1	30	90
GW 87 591	1	30	138
GW 87 592	1	30	28
GW 87 592	1	30	90
GW 87 592	1	30	138
GW 87 593	1	50	28
GW 87 593	1	50	90
GW 87 593	1	50	138
GW 87 596	1	0	138
GW 87 597	1	30	138
GW 87 598	1	0	138
GW 87 601	1	10	124
GW 87 602	1	4	124
GW 87 603	1	4	124
GW 87 606	1	4	124
GW 87 607	1	10	124
GW 87 608	1	10	124
GW 87 611	1	4	124
GW 87 612	1	4	124
GW 87 613	1	0	124
GW 87 616	1	12	124
GW 87 617	1	4	124
GW 87 618	1	4	124
GW 87 621	1	4	124
GW 87 622	1	10	124
GW 87 623	1	0	124
GW 87 626	1	10	124
GW 87 627	1	0	124
GW 87 628	1	4	124
GW 87 631	1	0	124
GW 87 632	1	0	124
GW 87 633	1	0	124
GW 87 636	1	0	124
GW 87 637	1	4	124
GW 87 638	1	0	124
GW 87 691	1	30	138
GW 87 691 B	1	0	138
GW 87 692	1	50	138
GW 87 692 B	1	0	138
GW 87 696	1	13	138
GW 87 697	1	30	138
GW 87 701	1	4	128
GW 87 702	1	0	128
GW 87 703	1	4	128
GW 87 706	1	10	128
GW 87 707	1	0	128
GW 87 708	1	4	128
GW 87 711	1	0	128
GW 87 712	1	0	128
GW 87 713	1	0	128
GW 87 716	1	4	128
GW 87 717	1	0	128
GW 87 718	1	0	128

Code	Quantity		Page
	Pack/carton	Pallet	
GW 87 721	1	0	128
GW 87 722	1	0	128
GW 87 723	1	0	128
GW 87 726	1	36	128
GW 87 727	1	36	128
GW 87 728	1	10	128
GW 87 731	1	0	128
GW 87 732	1	0	128
GW 87 733	1	0	128
GW 87 736	1	0	128
GW 87 737	1	0	128
GW 87 738	1	0	128
GW 87 801	1	0	131
GW 87 802	1	0	131
GW 87 803	1	10	131
GW 87 806	1	0	131
GW 87 807	1	4	131
GW 87 808	1	4	131
GW 87 811	1	0	131
GW 87 812	1	0	131
GW 87 813	1	0	131
GW 87 816	1	0	131
GW 87 817	1	0	131
GW 87 818	1	4	131
GW 87 821	1	0	131
GW 87 822	1	4	131
GW 87 823	1	0	131
GW 87 826	1	0	131
GW 87 827	1	4	131
GW 87 828	1	0	131
GW 87 831	1	8	131
GW 87 832	1	0	131
GW 87 833	1	0	131
GW 87 836	1	0	131
GW 87 837	1	0	131
GW 87 838	1	4	131
GW 87 881	1	50	127
GW 87 882	1	50	127
GW 87 883	1	56	127
GW 87 884	1	0	127
GW 87 885	1	50	127
GW 87 891	1	0	127
GW 87 892	1	0	127
GW 87 893	1	0	127
GW 87 894	1	50	127
GW 87 895	1	25	127
GW 87 901	1	4	134
GW 87 902	1	8	134
GW 87 903	1	4	134
GW 87 906	1	10	134
GW 87 907	1	10	134
GW 87 908	1	10	134
GW 87 911	1	0	134
GW 87 912	1	0	134
GW 87 913	1	0	134
GW 87 916	1	4	134
GW 87 917	1	10	134
GW 87 918	1	4	134
GW 87 921	1	4	134
GW 87 922	1	10	134
GW 87 923	1	10	134
GW 87 926	1	0	134
GW 87 927	1	0	134
GW 87 928	1	4	134

Code	Quantity		Page
	Pack/carton	Pallet	
GW 87 931	1	4	134
GW 87 932	1	0	134
GW 87 933	1	0	134
GW 87 936	1	0	134
GW 87 937	1	0	134
GW 87 938	1	0	134
GW 87 981	1	6	137
GW 87 982	1	0	137
GW 87 983	1	6	137
GW 87 984	1	18	137
GW 87 985	1	9	137
GW 87 986	1	0	137
GW 87 987	1	9	137
GW 87 987 B	1	0	137
GW 87 991	1	0	137
GW 87 992	1	0	137
GW 87 993	1	0	137
GW 87 994	1	18	137
GW 87 995	1	0	137
GW 87 996	1	0	137
GW 87 997	1	3	137

**GW88**

GW 88 202	1/5	360	82
GW 88 203	1/5	480	82
GW 88 223	1/5	480	82
GW 88 260	1/5	200	105
GW 88 261	1/2	76	115
GW 88 262	1/2	40	119
GW 88 272	1/5	480	188
GW 88 281	1/5	1560	151
GW 88 284	1/5	200	105
GW 88 285	1/2	88	115
GW 88 291	1	56	73
GW 88 292	1	144	69
GW 88 293	1	36	79
GW 88 294	1	20	79
GW 88 701	1	312	339
GW 88 702	1	156	339
GW 88 703	1	70	339
GW 88 704	1	480	339
GW 88 705	1	120	339
GW 88 706	1	70	339
GW 88 707	1	1540	339
GW 88 708	1	50	339
GW 88 709	1	96	339
GW 88 710	1	50	339
GW 88 711	1	40	339
GW 88 720	1	203	339
GW 88 731	1	312	339
GW 88 732	1	50	339
GW 88 733	1	312	339
GW 88 734	1	110	339
GW 88 735	1	70	339
GW 88 736	1	56	339
GW 88 737	1	60	339
GW 88 738	1	40	339
GW 88 739	1	100	339
GW 88 740	1	70	339
GW 88 741	1	40	339
GW 88 742	1	96	339

**GW90**

GW 90 872 A	1/4	168	276
GW 90 872 A	1/4	168	280

Code	Quantity		Page
	Pack/carton	Pallet	
GW 90 872 A	1/4	168	286
GW 90 872 A	1/4	168	291

**GWL1**

GW L1 901	1	312	205
GW L1 901	1	312	207
GW L1 901	1	312	209
GW L1 901	1	312	211
GW L1 901	1	312	213
GW L1 901	1	312	215
GW L1 901	1	312	217
GW L1 901	1	312	219
GW L1 901	1	312	227
GW L1 901	1	312	228
GW L1 901	1	312	229
GW L1 901	1	312	230
GW L1 901	1	312	231
GW L1 901	1	312	232
GW L1 906	1	285	49
GW L1 906	1	285	50
GW L1 906	1	285	205
GW L1 906	1	285	207
GW L1 907	1	150	53
GW L1 907	1	150	56
GW L1 907	1	150	57
GW L1 907	1	150	209
GW L1 907	1	150	211
GW L1 907	1	150	213
GW L1 907	1	150	215
GW L1 907	1	150	217
GW L1 907	1	150	219
GW L1 907	1	150	227
GW L1 907	1	150	228
GW L1 907	1	150	229
GW L1 907	1	150	230
GW L1 907	1	150	231
GW L1 907	1	150	232
GW L1 908	1	87	52
GW L1 908	1	87	55
GW L1 921	1	96	205
GW L1 922	1	72	207
GW L1 923	1	112	209
GW L1 923	1	112	211
GW L1 923	1	112	227
GW L1 923	1	112	228
GW L1 924	1	72	213
GW L1 924	1	72	215
GW L1 924	1	72	229
GW L1 924	1	72	230
GW L1 925	1	76	217
GW L1 925	1	76	219
GW L1 925	1	76	231
GW L1 925	1	76	232
GW L1 926	1	192	209
GW L1 926	1	192	211
GW L1 926	1	192	227
GW L1 926	1	192	228
GW L1 927	1	112	213
GW L1 927	1	112	215
GW L1 927	1	112	229
GW L1 927	1	112	230
GW L1 928	1	48	217
GW L1 928	1	48	219
GW L1 928	1	48	231

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Code	Quantity		Page
	Pack/carton	Pallet	
GW L1 928	1	48	232
GW L1 929	1	100	209
GW L1 929	1	100	211
GW L1 930	1	66	213
GW L1 930	1	66	215
GW L1 930	1	66	229
GW L1 930	1	66	230
GW L1 933	1	15	53
GW L1 934	1	10	56

GWP1			
Code	Quantity	Page	
GW P1 021 HE	1	0	59
GW P1 021 HL	1	0	62
GW P1 022 HE	1	0	59
GW P1 022 HL	1	0	62
GW P1 023 HE	1	0	59
GW P1 023 HL	1	0	62
GW P1 024 HE	1	0	59
GW P1 024 HL	1	0	62
GW P1 025 HE	1	0	59
GW P1 025 HL	1	0	62
GW P1 121 HE	1	36	59
GW P1 121 HL	1	36	62
GW P1 122 HE	1	36	59
GW P1 122 HL	1	24	62
GW P1 123 HE	1	0	59
GW P1 123 HL	1	0	62
GW P1 124 HE	1	36	59
GW P1 124 HL	1	36	62
GW P1 125 HE	1	36	59
GW P1 125 HL	1	0	62
GW P1 161 HE	1	0	60
GW P1 161 HL	1	0	62
GW P1 162 HE	1	14	60
GW P1 162 HL	1	0	62
GW P1 163 HE	1	0	60
GW P1 163 HL	1	0	62
GW P1 164 HE	1	0	60
GW P1 164 HL	1	0	62
GW P1 165 HE	1	0	60
GW P1 165 HL	1	0	62
GW P1 191 HE	1	0	60
GW P1 191 HL	1	0	63
GW P1 192 HE	1	0	60
GW P1 192 HL	1	0	63
GW P1 193 HE	1	0	60
GW P1 193 HL	1	0	63
GW P1 194 HE	1	0	60
GW P1 194 HL	1	0	63
GW P1 195 HE	1	0	60
GW P1 195 HL	1	0	63
GW P1 221 HE	1	36	59
GW P1 221 HL	1	24	62
GW P1 222 HE	1	36	59
GW P1 222 HL	1	24	62
GW P1 223 HE	1	0	59
GW P1 223 HL	1	0	62
GW P1 224 HE	1	0	59
GW P1 224 HL	1	0	62
GW P1 225 HE	1	0	59
GW P1 225 HL	1	24	62
GW P1 261 HE	1	0	60
GW P1 261 HL	1	0	62
GW P1 262 HE	1	0	60

Code	Quantity		Page
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GW P1 262 HL	1	0	62
GW P1 263 HE	1	0	60
GW P1 263 HL	1	0	62
GW P1 264 HE	1	0	60
GW P1 264 HL	1	0	62
GW P1 265 HE	1	0	60
GW P1 265 HL	1	0	62
GW P1 291 HE	1	0	60
GW P1 291 HL	1	4	63
GW P1 292 HE	1	0	60
GW P1 292 HL	1	4	63
GW P1 293 HE	1	0	60
GW P1 293 HL	1	0	63
GW P1 294 HE	1	0	60
GW P1 294 HL	1	0	63
GW P1 295 HE	1	0	60
GW P1 295 HL	1	0	63
GW P1 901 HE	1	12	61
GW P1 902 HE	1	0	61
GW P1 903 HE	1	0	61
GW P1 911 HL	1	0	63
GW P1 912 HL	1	15	63
GW P1 913 HL	1	0	63

GWR5			
Code	Quantity	Page	
GW R5 111	1	42	17
GW R5 111 B	1	42	17
GW R5 111 M	1	42	17
GW R5 112	1	42	17
GW R5 112 B	1	42	17
GW R5 112 M	1	42	17
GW R5 113	1	42	19
GW R5 113 B	1	42	19
GW R5 113 M	1	42	19
GW R5 114	1	42	19
GW R5 114 B	1	42	19
GW R5 114 M	1	42	19
GW R5 115	1	42	19
GW R5 115 B	1	36	19
GW R5 115 M	1	36	19
GW R5 116	1	36	19
GW R5 116 B	1	42	19
GW R5 116 M	1	36	19
GW R5 131	1	42	17
GW R5 171	1	42	17
GW R5 171 B	1	42	17
GW R5 171 M	1	42	17
GW R5 172	1	42	17
GW R5 172 B	1	42	17
GW R5 172 M	1	42	17
GW R5 173	1	42	19
GW R5 173 B	1	42	19
GW R5 173 M	1	42	19
GW R5 174	1	42	19
GW R5 174 B	1	42	19
GW R5 174 M	1	42	19
GW R5 175	1	42	19
GW R5 175 B	1	42	19
GW R5 175 M	1	42	19
GW R5 176	1	42	19
GW R5 176 B	1	42	19
GW R5 176 M	1	42	19
GW R5 211	1	42	16
GW R5 211 B	1	42	16

Code	Quantity		Page
	Pack/carton	Pallet	
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GW R5 212	1	42	16
GW R5 212 B	1	42	16
GW R5 212 M	1	42	16
GW R5 213	1	42	18
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GW R5 214	1	42	18
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GW R5 214 M	1	42	18
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GW R5 216 M	1	42	18
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GW R5 672	1	42	13
GW R5 672 B	1	42	13
GW R5 672 M	1	42	13
GW R5 673	1	42	15
GW R5 673 B	1	42	15

Code	Quantity		Page
	Pack/carton	Pallet	
GW R5 673 M	1	42	15
GW R5 674	1	42	15
GW R5 674 B	1	42	15
GW R5 674 M	1	42	15
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GW R5 675 B	1	42	15
GW R5 675 M	1	42	15
GW R5 676	1	42	15
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GW R5 713 B	1	42	14
GW R5 713 M	1	42	14
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GW R5 731	1	42	12
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GW R5 771 B	1	42	12
GW R5 771 M	1	42	12
GW R5 772	1	42	12
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GW R5 772 M	1	42	12
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GW R5 773 M	1	0	14
GW R5 774	1	42	14
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GW R5 774 M	1	0	14
GW R5 775	1	0	14
GW R5 775 B	1	0	14
GW R5 775 M	1	0	14
GW R5 776	1	0	14
GW R5 776 B	1	0	14
GW R5 776 M	1	0	14
GW R5 871 M	1	42	13
GW R5 872 M	1	42	13
<b>GWS2</b>			
GW S2 201	1	60	274
GW S2 202	1	32	275
GW S2 206	1	108	274
GW S2 207	1	32	275
GW S2 216	1	60	274
GW S2 217	1	32	275
GW S2 226	1	12	275
GW S2 227	1	0	276
GW S2 231	1	60	278
GW S2 232	1	32	279
GW S2 236	1	108	278
GW S2 237	1	32	279
GW S2 246	1	60	278

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	Pack/carton	Pallet	
GW S2 247	1	32	279
GW S2 256	1	12	279
GW S2 257	1	0	280
GW S2 401	1/2	24	183
GW S2 401 B	1/2	20	183
GW S2 402	1/2	72	183
GW S2 402 B	1/2	32	183
GW S2 406	1/2	24	183
GW S2 411	1	66	299
GW S2 416	1	66	299
GW S2 421	1/20	20	295
GW S2 506	1	58	282
GW S2 507	1	0	282
GW S2 516	1	58	282
GW S2 517	1	0	282
GW S2 526	1	40	283
GW S2 527	1	0	283
GW S2 536	1	40	285
GW S2 546	1	18	285
GW S2 556	1	16	285
GW S2 566	1	40	283
GW S2 567	1	16	284
GW S2 576	1	16	283
GW S2 577	1	16	284
GW S2 586	1	16	284
GW S2 587	1	16	284
GW S2 606	1	14	286
GW S2 616	1	0	286
GW S2 626	1	0	286
GW S2 706	1	20	290
GW S2 716	1	56	290
GW S2 736	1	18	291
GW S2 746	1	0	291
GW S2 801	1	87	272
GW S2 802	1	203	272
GW S2 803	1	203	272
GW S2 804	1	87	272
GW S2 901 D	1	25	288
GW S2 901 S	1	80	288
GW S2 902 D	1	25	288
GW S2 902 S	1	80	288
GW S2 906 D	1	80	288
GW S2 906 S	1	80	288
GW S2 907 D	1	25	288
GW S2 907 S	1	80	288
GW S2 921 D	1	30	293
GW S2 921 S	1	30	293
GW S2 922 D	1	30	293
GW S2 922 S	1	30	293
GW S2 993	1	3600	288
GW S2 993	1	3600	293
GW S2 994	1	200	288
GW S2 995	1	3600	288
GW S2 995	1	3600	293
GW S2 996	1	3600	288
GW S2 996	1	3600	293
GW S2 998	1	150	293
<b>GWS3</b>			
GW S3 118 P	1/90	90	193
GW S3 118 PD	1/90	90	193
GW S3 118 T	1/90	90	192
GW S3 118 TD	1/90	90	192
GW S3 136 P	1/90	90	193

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	Pack/carton	Pallet	
GW S3 136 PD	1/90	90	193
GW S3 136 PL	1/90	90	194
GW S3 136 PLD	1/90	90	194
GW S3 136 T	1/90	90	192
GW S3 136 TD	1/90	90	192
GW S3 136 TL	1/90	90	193
GW S3 136 TLD	1/90	90	193
GW S3 158 P	1/90	90	193
GW S3 158 PD	1/90	90	193
GW S3 158 PL	1/90	90	194
GW S3 158 PLD	1/90	90	194
GW S3 158 T	1/90	90	192
GW S3 158 TD	1/90	90	192
GW S3 158 TL	1/90	90	193
GW S3 158 TLD	1/90	90	193
GW S3 191	1/10	500	194
GW S3 191	1/10	500	198
GW S3 191	1/10	500	201
GW S3 192	1/10	1100	194
GW S3 192	1/10	1100	198
GW S3 192	1/10	1100	201
GW S3 193	1/10	500	194
GW S3 193	1/10	500	198
GW S3 193	1/10	500	201
GW S3 194	1/10	0	194
GW S3 195	1	90	194
GW S3 218 P	1/90	90	193
GW S3 218 PD	1/90	90	193
GW S3 218 T	1/90	90	192
GW S3 218 TD	1/90	90	192
GW S3 236 P	1/90	90	193
GW S3 236 PD	1/90	90	193
GW S3 236 PL	1/90	90	194
GW S3 236 PLD	1/90	90	194
GW S3 236 T	1/90	90	192
GW S3 236 TC	1/90	90	197
GW S3 236 TD	1/90	90	192
GW S3 236 TL	1/90	90	193
GW S3 236 TLD	1/90	90	193
GW S3 258 P	1/90	90	193
GW S3 258 PD	1/90	90	193
GW S3 258 PL	1/90	90	194
GW S3 258 PLD	1/90	90	194
GW S3 258 T	1/90	90	192
GW S3 258 TC	1/90	90	197
GW S3 258 TD	1/90	90	192
GW S3 258 TL	1/90	90	193
GW S3 258 TLC	1/90	90	198
GW S3 258 TLD	1/90	90	193
GW S3 280 TLS	1/90	0	201
GW S3 280 TS	1/90	90	200
<b>GWS4</b>			
GW S4 001 GD	1	66	203
GW S4 001 GR	1	66	204
GW S4 001 GS	1	66	203
GW S4 002 GD	1	66	203
GW S4 002 GR	1	66	204
GW S4 002 GS	1	66	203
GW S4 003 GD	1	66	203
GW S4 003 GR	1	66	204
GW S4 003 GS	1	66	203
GW S4 004 GD	1	66	203
GW S4 004 GE	1	15	204

# Quick Reference

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	Pack/carton	Pallet			Pack/carton	Pallet			Pack/carton	Pallet	
GW S4 004 GR	1	66	204	GW S4 035 GS	1	55	210	GW S4 071 GD	1	16	218
GW S4 004 GS	1	66	203	GW S4 036 GD	1	55	210	GW S4 071 GR	1	16	218
GW S4 005 GD	1	66	203	GW S4 036 GR	1	55	210	GW S4 071 GS	1	16	218
GW S4 005 GR	1	66	204	GW S4 036 GS	1	55	210	GW S4 072 GD	1	16	218
GW S4 005 GS	1	66	203	GW S4 041 GD	1	33	212	GW S4 072 GR	1	16	218
GW S4 006 GD	1	66	203	GW S4 041 GR	1	33	213	GW S4 072 GS	1	16	218
GW S4 006 GR	1	66	204	GW S4 041 GS	1	0	212	GW S4 073 GD	1	16	218
GW S4 006 GS	1	66	203	GW S4 042 GD	1	33	212	GW S4 073 GR	1	16	218
GW S4 011 GD	1	44	206	GW S4 042 GR	1	33	213	GW S4 073 GS	1	16	218
GW S4 011 GR	1	44	207	GW S4 042 GS	1	33	212	GW S4 074 GD	1	16	218
GW S4 011 GS	1	44	206	GW S4 043 GD	1	33	212	GW S4 074 GR	1	16	218
GW S4 012 GD	1	44	206	GW S4 043 GR	1	33	213	GW S4 074 GS	1	16	218
GW S4 012 GR	1	44	207	GW S4 043 GS	1	33	212	GW S4 075 GD	1	16	218
GW S4 012 GS	1	44	206	GW S4 043 GSA	1	0	221	GW S4 075 GR	1	16	218
GW S4 013 GD	1	44	206	GW S4 044 GD	1	33	212	GW S4 075 GS	1	16	218
GW S4 013 GR	1	44	207	GW S4 044 GE	1	18	212	GW S4 076 GD	1	16	218
GW S4 013 GS	1	44	206	GW S4 044 GR	1	33	213	GW S4 076 GR	1	16	218
GW S4 014 GD	1	44	206	GW S4 044 GS	1	33	212	GW S4 076 GS	1	16	218
GW S4 014 GE	1	24	206	GW S4 044 GSA	1	0	221	GW S4 101 BD	1	0	48
GW S4 014 GR	1	44	207	GW S4 045 GD	1	33	212	GW S4 101 BS	1	66	48
GW S4 014 GS	1	44	206	GW S4 045 GR	1	33	213	GW S4 101 GD	1	66	48
GW S4 015 GD	1	44	206	GW S4 045 GS	1	33	212	GW S4 101 GS	1	66	48
GW S4 015 GR	1	44	207	GW S4 046 GD	1	33	212	GW S4 102 GD	1	66	48
GW S4 015 GS	1	44	206	GW S4 046 GR	1	33	213	GW S4 102 GS	1	66	48
GW S4 016 GD	1	44	206	GW S4 046 GS	1	33	212	GW S4 103 BD	1	0	48
GW S4 016 GR	1	44	207	GW S4 051 GD	1	33	214	GW S4 103 BS	1	66	48
GW S4 016 GS	1	44	206	GW S4 051 GR	1	33	214	GW S4 103 GD	1	66	48
GW S4 021 GD	1	55	208	GW S4 051 GS	1	33	214	GW S4 103 GS	1	66	48
GW S4 021 GR	1	55	209	GW S4 052 GD	1	33	214	GW S4 104 BD	1	0	48
GW S4 021 GS	1	55	208	GW S4 052 GR	1	33	214	GW S4 104 BS	1	66	48
GW S4 022 GD	1	55	208	GW S4 052 GS	1	33	214	GW S4 104 GD	1	66	48
GW S4 022 GR	1	55	209	GW S4 053 GD	1	33	214	GW S4 104 GS	1	66	48
GW S4 022 GS	1	55	208	GW S4 053 GR	1	33	214	GW S4 105 BD	1	0	48
GW S4 023 GD	1	55	208	GW S4 053 GS	1	33	214	GW S4 105 BS	1	66	48
GW S4 023 GR	1	55	209	GW S4 053 GSA	1	0	221	GW S4 105 GD	1	66	48
GW S4 023 GS	1	55	208	GW S4 054 GD	1	33	214	GW S4 105 GS	1	66	48
GW S4 023 GSA	1	0	220	GW S4 054 GR	1	33	214	GW S4 106 GD	1	66	48
GW S4 024 GD	1	55	208	GW S4 054 GS	1	33	214	GW S4 106 GS	1	66	48
GW S4 024 GE	1	24	208	GW S4 054 GSA	1	0	221	GW S4 111 BD	1	0	50
GW S4 024 GR	1	55	209	GW S4 055 GD	1	33	214	GW S4 111 BS	1	44	50
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GW S4 024 GSA	1	0	220	GW S4 055 GS	1	33	214	GW S4 111 GS	1	44	50
GW S4 025 GD	1	55	208	GW S4 056 GD	1	33	214	GW S4 112 GD	1	44	50
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GW S4 026 GD	1	55	208	GW S4 061 GD	1	16	216	GW S4 113 BS	1	44	50
GW S4 026 GR	1	55	209	GW S4 061 GR	1	16	217	GW S4 113 GD	1	44	50
GW S4 026 GS	1	55	208	GW S4 061 GS	1	16	216	GW S4 113 GS	1	44	50
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GW S4 032 GD	1	55	210	GW S4 063 GD	1	16	216	GW S4 114 GS	1	44	50
GW S4 032 GR	1	55	210	GW S4 063 GR	1	16	217	GW S4 115 BD	1	0	50
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GW S4 033 GR	1	55	210	GW S4 064 GE	1	7	216	GW S4 115 GS	1	44	50
GW S4 033 GS	1	55	210	GW S4 064 GR	1	16	217	GW S4 116 GD	1	44	50
GW S4 033 GSA	1	0	220	GW S4 064 GS	1	16	216	GW S4 116 GS	1	44	50
GW S4 034 GD	1	55	210	GW S4 065 GD	1	16	216	GW S4 131 BD	1	0	51
GW S4 034 GR	1	55	210	GW S4 065 GR	1	16	217	GW S4 131 BS	1	55	51
GW S4 034 GS	1	55	210	GW S4 065 GS	1	16	216	GW S4 131 GD	1	55	51
GW S4 034 GSA	1	0	220	GW S4 066 GD	1	16	216	GW S4 131 GS	1	55	51
GW S4 035 GD	1	55	210	GW S4 066 GR	1	16	217	GW S4 132 GD	1	55	51
GW S4 035 GR	1	55	210	GW S4 066 GS	1	16	216	GW S4 132 GS	1	55	51

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GW S4 244 GS	1	0	229
GW S4 245 GS	1	33	229
GW S4 246 GS	1	33	229
GW S4 252 GS	1	0	230

Code	Quantity		Page
	Pack/carton	Pallet	
GW S4 253 GS	1	33	230
GW S4 254 GS	1	33	230
GW S4 255 GS	1	33	230
GW S4 256 GS	1	33	230
GW S4 262 GS	1	0	231
GW S4 263 GS	1	16	231
GW S4 264 GS	1	16	231
GW S4 265 GS	1	0	231
GW S4 266 GS	1	16	231
GW S4 272 GS	1	0	232
GW S4 273 GS	1	16	232
GW S4 274 GS	1	33	232
GW S4 275 GS	1	0	232
GW S4 276 GS	1	16	232
<b>GWS7</b>			
GW S7 030	1	14	26
GW S7 031	1	14	26
GW S7 032	1	14	26
GW S7 071	1	14	27
GW S7 110	1	14	26
GW S7 111	1	14	26
GW S7 112	1	14	26
GW S7 201	1	0	125
GW S7 202	1	0	125
GW S7 203	1	0	125
GW S7 206	1	0	125
GW S7 207	1	10	125
GW S7 208	1	10	125
GW S7 211	1	0	125
GW S7 212	1	0	125
GW S7 213	1	0	125
GW S7 216	1	0	125
GW S7 217	1	0	125
GW S7 218	1	10	125
GW S7 221	1	0	125
GW S7 222	1	0	125
GW S7 223	1	0	125
GW S7 226	1	4	125
GW S7 227	1	0	125
GW S7 228	1	10	125
GW S7 231	1	0	125
GW S7 232	1	0	125
GW S7 233	1	0	125
GW S7 236	1	0	125
GW S7 237	1	0	125
GW S7 238	1	0	125
GW S7 251	1	0	126
GW S7 252	1	0	126
GW S7 253	1	0	126
GW S7 256	1	0	126
GW S7 257	1	8	126
GW S7 258	1	8	126
GW S7 261	1	0	126
GW S7 262	1	0	126
GW S7 263	1	0	126
GW S7 266	1	0	126
GW S7 267	1	10	126
GW S7 268	1	0	126
GW S7 271	1	0	126
GW S7 272	1	0	126
GW S7 273	1	0	126
GW S7 276	1	0	126
GW S7 277	1	0	126

Code	Quantity		Page
	Pack/carton	Pallet	
GW S7 278	1	0	126
GW S7 281	1	0	126
GW S7 282	1	0	126
GW S7 283	1	0	126
GW S7 286	1	0	126
GW S7 287	1	0	126
GW S7 288	1	0	126
GW S7 301	1	0	129
GW S7 302	1	0	129
GW S7 303	1	0	129
GW S7 306	1	0	129
GW S7 307	1	0	129
GW S7 308	1	10	129
GW S7 311	1	0	129
GW S7 312	1	0	129
GW S7 313	1	0	129
GW S7 316	1	0	129
GW S7 317	1	0	129
GW S7 318	1	0	129
GW S7 321	1	0	129
GW S7 322	1	0	129
GW S7 323	1	0	129
GW S7 326	1	0	129
GW S7 327	1	36	129
GW S7 328	1	0	129
GW S7 331	1	0	129
GW S7 332	1	0	129
GW S7 333	1	0	129
GW S7 336	1	0	129
GW S7 337	1	0	129
GW S7 338	1	0	129
GW S7 351	1	0	130
GW S7 352	1	0	130
GW S7 353	1	0	130
GW S7 356	1	10	130
GW S7 357	1	0	130
GW S7 358	1	0	130
GW S7 361	1	0	130
GW S7 362	1	0	130
GW S7 363	1	0	130
GW S7 366	1	0	130
GW S7 367	1	0	130
GW S7 368	1	0	130
GW S7 371	1	0	130
GW S7 372	1	0	130
GW S7 373	1	0	130
GW S7 376	1	0	130
GW S7 377	1	36	130
GW S7 378	1	0	130
GW S7 381	1	0	130
GW S7 382	1	0	130
GW S7 383	1	0	130
GW S7 386	1	0	130
GW S7 387	1	0	130
GW S7 388	1	0	130
GW S7 401	1	0	132
GW S7 402	1	0	132
GW S7 403	1	0	132
GW S7 406	1	10	132
GW S7 407	1	0	132
GW S7 408	1	0	132
GW S7 411	1	0	132
GW S7 412	1	0	132
GW S7 413	1	0	132

# Quick Reference

Code	Quantity		Page	Code	Quantity		Page	Code	Quantity		Page
	Pack/carton	Pallet			Pack/carton	Pallet			Pack/carton	Pallet	
GW S7 416	1	0	132	GW S7 503 B	1	0	135	GW S7 587	1	0	136
GW S7 417	1	0	132	GW S7 506	1	10	135	GW S7 588	1	0	136
GW S7 418	1	0	132	GW S7 507	1	0	135	GW S7 630	1	14	24
GW S7 421	1	0	132	GW S7 508	1	0	135	GW S7 631	1	14	24
GW S7 422	1	0	132	GW S7 511	1	0	135	GW S7 632	1	0	24
GW S7 423	1	0	132	GW S7 512	1	0	135	GW S7 633	1	0	24
GW S7 426	1	0	132	GW S7 513	1	0	135	GW S7 634	1	0	24
GW S7 427	1	0	132	GW S7 516	1	0	135	GW S7 680	1	14	25
GW S7 428	1	0	132	GW S7 517	1	0	135	GW S7 681	1	16	25
GW S7 431	1	0	132	GW S7 518	1	4	135	GW S7 682	1	14	25
GW S7 432	1	0	132	GW S7 521	1	0	135	GW S7 683	1	14	25
GW S7 433	1	0	132	GW S7 522	1	0	135	GW S7 684	1	0	25
GW S7 436	1	0	132	GW S7 523	1	0	135	GW S7 801	1	10	31
GW S7 437	1	4	132	GW S7 526	1	8	135	GW S7 802	1	10	31
GW S7 438	1	0	132	GW S7 527	1	0	135	GW S7 803	1	10	31
GW S7 451	1	10	133	GW S7 528	1	0	135	GW S7 804	1	10	31
GW S7 452	1	0	133	GW S7 531	1	0	135	GW S7 805	1	10	31
GW S7 453	1	0	133	GW S7 532	1	0	135	GW S7 806	1	0	32
GW S7 456	1	4	133	GW S7 533	1	0	135	GW S7 807	1	0	32
GW S7 457	1	10	133	GW S7 536	1	0	135	GW S7 808	1	0	32
GW S7 458	1	4	133	GW S7 537	1	0	135	GW S7 809	1	10	32
GW S7 461	1	0	133	GW S7 538	1	0	135	GW S7 810	1	10	32
GW S7 462	1	0	133	GW S7 551	1	0	136	GW S7 811	1	0	32
GW S7 463	1	0	133	GW S7 552	1	0	136	GW S7 812	1	10	32
GW S7 466	1	0	133	GW S7 553	1	0	136	GW S7 813	1	0	32
GW S7 467	1	0	133	GW S7 556	1	4	136	GW S7 814	1	0	32
GW S7 468	1	10	133	GW S7 557	1	0	136	GW S7 815	1	14	32
GW S7 471	1	0	133	GW S7 558	1	10	136	GW S7 821	1	10	31
GW S7 472	1	0	133	GW S7 561	1	0	136	GW S7 822	1	10	31
GW S7 473	1	0	133	GW S7 562	1	0	136	GW S7 823	1	10	31
GW S7 476	1	0	133	GW S7 563	1	0	136	GW S7 824	1	10	31
GW S7 477	1	0	133	GW S7 566	1	0	136	GW S7 825	1	10	31
GW S7 478	1	4	133	GW S7 567	1	10	136	GW S7 826	1	0	32
GW S7 481	1	0	133	GW S7 568	1	0	136	GW S7 827	1	0	32
GW S7 482	1	0	133	GW S7 571	1	0	136	GW S7 828	1	0	32
GW S7 483	1	0	133	GW S7 572	1	0	136	GW S7 829	1	0	32
GW S7 486	1	0	133	GW S7 573	1	0	136	GW S7 830	1	0	32
GW S7 487	1	4	133	GW S7 576	1	10	136	GW S7 831	1	0	32
GW S7 488	1	0	133	GW S7 577	1	0	136	GW S7 832	1	10	32
GW S7 501	1	0	135	GW S7 578	1	0	136	GW S7 833	1	0	32
GW S7 501 B	1	0	135	GW S7 581	1	0	136	GW S7 834	1	0	32
GW S7 502	1	4	135	GW S7 582	1	0	136	GW S7 835	1	0	32
GW S7 502 B	1	0	135	GW S7 583	1	0	136				
GW S7 503	1	0	135	GW S7 586	1	0	136				



## ILCOS CLASSIFICATION













ILCOS represents an international system for coding all lamps, except for those for vehicles (according to reference standard EN 61231).

The objective of the international coding system is to:

- optimise communication regarding different types of lamps;
- clarify concepts of product interchangeability and compatibility;
- create closer connections between international standards and manufacturer documentation;
- permit correct lamp replacement;
- be used as complementary marking on lighting devices;
- replace international coding systems.

Complete ILCOS coding consists of a letter section and a numerical section.









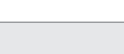


In the letter section, the lamps are identified by two letters.

INCANDESCENT LAMPS		
	<b>I</b>	Incandescent
HALOGEN LAMPS		
	<b>HS</b>	Single coupling halogen
	<b>HD</b>	Double coupling halogen
	<b>HR</b>	Halogen with dichroic high bay
FLUORESCENT LAMPS		
	<b>FSD</b>	Two conduit single coupling fluorescent
	<b>FD</b>	Double coupling fluorescent
	<b>FSQ</b>	4 conduit single coupling fluorescent
	<b>FSM</b>	Multiple conduit single coupling fluorescent
	<b>FB</b>	Fluorescent with built-in power supply
	<b>FSS</b>	Square fluorescent
	<b>FBT</b>	Tubular fluorescent
HIGH PRESSURE MERCURY LAMPS		
	<b>QE</b>	Ellipsoidal mercury with diffused coating

The first letter identifies the lamp type	<b>I</b>	Incandescent	
	<b>F</b>	Fluorescents	
	<b>H</b>	Halogen	
	<b>F</b>	Fluorescent	
	<b>S</b>	High pressure sodium	
	<b>L</b>	Low pressure sodium	
	<b>Q</b>	High pressure mercury lamps	
	<b>M</b>	Metallic iodide lamps	
	<b>D</b>	LED	
	The second letter defines the main form characteristic	<b>X</b>	Special lamps
		<b>N</b>	Tubular
		<b>S</b>	Single coupling
		<b>D</b>	Double coupling
		<b>E</b>	Opal ellipsoidal
<b>C</b>		Clear	
<b>R</b>		Dichroic high bay	
<b>M</b>	Metallic high bay		

The numerical section consists of blocks that consist of numbers, each of which is separated by a dash and that include the characteristic values:

power	voltage	coupling	dimensions
-------	---------	----------	------------

HIGH PRESSURE SODIUM LAMPS		
	<b>SE</b>	Diffused ellipsoidal sodium
	<b>ST</b>	Clear tubular sodium
	<b>SD</b>	Double coupling clear sodium
LOW PRESSURE SODIUM LAMPS		
	<b>LS</b>	Single coupling sodium
METALLIC IODIDE LAMPS		
	<b>ME</b>	Ellipsoidal metallic iodides, diffused coating
	<b>MT</b>	Clear tubular metallic iodides
	<b>MC</b>	Clear bulb ellipsoidal metallic iodides
	<b>MD</b>	Metallic iodides with double coupling, clear
	<b>MN</b>	Metallic iodides with double coupling without external bulb
LED		
	<b>DS</b>	LED module with separate power supply
	<b>DR</b>	LED lamp with built-in power supply

# Energy Labelling

## ENERGY LABELLING

The Energy Labelling regulation (874/2012) requires that an energy label be created and made available by March 1 2014 for devices intended for private use. All advertisements, price indications, promotions and offers must indicate all the information included on the label:

- efficiency range of compatible lamps
- if the device contains LED
- if the LED can be replaced or not

When the products referred to in this regulation are sold and displayed in stored, they must be always accompanied by the energy label that can be downloaded from the Gewiss website.

Code	Power	Compatible lamps	Coupling	EEL Compatible light sources	EEL Lamp supplied, if replaceable
GWS4101GS	25 W	LED	\	A ÷ A++	LED - Not replaceable
GWS4102GS	25 W	LED	\	A ÷ A++	LED - Not replaceable
GWS4103GS	25 W	LED	\	A ÷ A++	LED - Not replaceable
GWS4104GS	25 W	LED	\	A ÷ A++	LED - Not replaceable
GWS4105GS	25 W	LED	\	A ÷ A++	LED - Not replaceable
GWS4106GS	25 W	LED	\	A ÷ A++	LED - Not replaceable
GWS4101BS	25 W	LED	\	A ÷ A++	LED - Not replaceable
GWS4103BS	25 W	LED	\	A ÷ A++	LED - Not replaceable
GWS4104BS	25 W	LED	\	A ÷ A++	LED - Not replaceable
GWS4105BS	25 W	LED	\	A ÷ A++	LED - Not replaceable
GWS4101GD	26 W	LED	\	A ÷ A++	LED - Not replaceable
GWS4102GD	26 W	LED	\	A ÷ A++	LED - Not replaceable
GWS4103GD	26 W	LED	\	A ÷ A++	LED - Not replaceable
GWS4104GD	26 W	LED	\	A ÷ A++	LED - Not replaceable
GWS4105GD	26 W	LED	\	A ÷ A++	LED - Not replaceable
GWS4106GD	26 W	LED	\	A ÷ A++	LED - Not replaceable
GWS4101BD	26 W	LED	\	A ÷ A++	LED - Not replaceable
GWS4103BD	26 W	LED	\	A ÷ A++	LED - Not replaceable
GWS4104BD	26 W	LED	\	A ÷ A++	LED - Not replaceable
GWS4105BD	26 W	LED	\	A ÷ A++	LED - Not replaceable
GWS4111GS	50 W	LED	\	A ÷ A++	LED - Not replaceable
GWS4112GS	50 W	LED	\	A ÷ A++	LED - Not replaceable
GWS4113GS	50 W	LED	\	A ÷ A++	LED - Not replaceable
GWS4114GS	50 W	LED	\	A ÷ A++	LED - Not replaceable
GWS4115GS	50 W	LED	\	A ÷ A++	LED - Not replaceable
GWS4116GS	50 W	LED	\	A ÷ A++	LED - Not replaceable
GWS4111BS	50 W	LED	\	A ÷ A++	LED - Not replaceable
GWS4113BS	50 W	LED	\	A ÷ A++	LED - Not replaceable
GWS4114BS	50 W	LED	\	A ÷ A++	LED - Not replaceable
GWS4115BS	50 W	LED	\	A ÷ A++	LED - Not replaceable
GWS4111GD	51 W	LED	\	A ÷ A++	LED - Not replaceable
GWS4112GD	51 W	LED	\	A ÷ A++	LED - Not replaceable
GWS4113GD	51 W	LED	\	A ÷ A++	LED - Not replaceable
GWS4114GD	51 W	LED	\	A ÷ A++	LED - Not replaceable
GWS4115GD	51 W	LED	\	A ÷ A++	LED - Not replaceable
GWS4116GD	51 W	LED	\	A ÷ A++	LED - Not replaceable
GWS4111BD	51 W	LED	\	A ÷ A++	LED - Not replaceable
GWS4113BD	51 W	LED	\	A ÷ A++	LED - Not replaceable
GWS4114BD	51 W	LED	\	A ÷ A++	LED - Not replaceable
GWS4115BD	51 W	LED	\	A ÷ A++	LED - Not replaceable
GWS4131GS	60 W	LED	\	A ÷ A++	LED - Not replaceable
GWS4132GS	60 W	LED	\	A ÷ A++	LED - Not replaceable
GWS4133GS	60 W	LED	\	A ÷ A++	LED - Not replaceable
GWS4134GS	60 W	LED	\	A ÷ A++	LED - Not replaceable
GWS4135GS	60 W	LED	\	A ÷ A++	LED - Not replaceable
GWS4136GS	60 W	LED	\	A ÷ A++	LED - Not replaceable
GWS4131BS	60 W	LED	\	A ÷ A++	LED - Not replaceable
GWS4133BS	60 W	LED	\	A ÷ A++	LED - Not replaceable
GWS4134BS	60 W	LED	\	A ÷ A++	LED - Not replaceable
GWS4135BS	60 W	LED	\	A ÷ A++	LED - Not replaceable
GWS4131GD	61 W	LED	\	A ÷ A++	LED - Not replaceable
GWS4132GD	61 W	LED	\	A ÷ A++	LED - Not replaceable
GWS4133GD	61 W	LED	\	A ÷ A++	LED - Not replaceable
GWS4134GD	61 W	LED	\	A ÷ A++	LED - Not replaceable
GWS4135GD	61 W	LED	\	A ÷ A++	LED - Not replaceable
GWS4136GD	61 W	LED	\	A ÷ A++	LED - Not replaceable
GWS4131BD	61 W	LED	\	A ÷ A++	LED - Not replaceable
GWS4133BD	61 W	LED	\	A ÷ A++	LED - Not replaceable
GWS4134BD	61 W	LED	\	A ÷ A++	LED - Not replaceable
GWS4135BD	61 W	LED	\	A ÷ A++	LED - Not replaceable
GWS4133GC	82 W	LED	\	A ÷ A++	LED - Not replaceable
GWS4151GS	118 W	LED	\	A ÷ A++	LED - Not replaceable
GWS4152GS	118 W	LED	\	A ÷ A++	LED - Not replaceable
GWS4153GS	118 W	LED	\	A ÷ A++	LED - Not replaceable
GWS4154GS	118 W	LED	\	A ÷ A++	LED - Not replaceable

Code	Power	Compatible lamps	Coupling	EEL Compatible light sources	EEL Lamp supplied, if replaceable
GWS4155GS	118 W	LED	\	A ÷ A++	LED - Not replaceable
GWS4156GS	118 W	LED	\	A ÷ A++	LED - Not replaceable
GWS4151BS	118 W	LED	\	A ÷ A++	LED - Not replaceable
GWS4153BS	118 W	LED	\	A ÷ A++	LED - Not replaceable
GWS4154BS	118 W	LED	\	A ÷ A++	LED - Not replaceable
GWS4155BS	118 W	LED	\	A ÷ A++	LED - Not replaceable
GWS4151GD	121 W	LED	\	A ÷ A++	LED - Not replaceable
GWS4152GD	121 W	LED	\	A ÷ A++	LED - Not replaceable
GWS4153GD	121 W	LED	\	A ÷ A++	LED - Not replaceable
GWS4154GD	121 W	LED	\	A ÷ A++	LED - Not replaceable
GWS4155GD	121 W	LED	\	A ÷ A++	LED - Not replaceable
GWS4156GD	121 W	LED	\	A ÷ A++	LED - Not replaceable
GWS4151BD	121 W	LED	\	A ÷ A++	LED - Not replaceable
GWS4153BD	121 W	LED	\	A ÷ A++	LED - Not replaceable
GWS4154BD	121 W	LED	\	A ÷ A++	LED - Not replaceable
GWS4155BD	121 W	LED	\	A ÷ A++	LED - Not replaceable
GWS4153GC	165 W	LED	\	A ÷ A++	LED - Not replaceable
GWS4171GS	236 W	LED	\	A ÷ A++	LED - Not replaceable
GWS4172GS	236 W	LED	\	A ÷ A++	LED - Not replaceable
GWS4173GS	236 W	LED	\	A ÷ A++	LED - Not replaceable
GWS4174GS	236 W	LED	\	A ÷ A++	LED - Not replaceable
GWS4175GS	236 W	LED	\	A ÷ A++	LED - Not replaceable
GWS4176GS	236 W	LED	\	A ÷ A++	LED - Not replaceable
GWS4171GD	245 W	LED	\	A ÷ A++	LED - Not replaceable
GWS4172GD	245 W	LED	\	A ÷ A++	LED - Not replaceable
GWS4173GD	245 W	LED	\	A ÷ A++	LED - Not replaceable
GWS4174GD	245 W	LED	\	A ÷ A++	LED - Not replaceable
GWS4175GD	245 W	LED	\	A ÷ A++	LED - Not replaceable
GWS4176GD	245 W	LED	\	A ÷ A++	LED - Not replaceable
GW85302S	70 W	SD	RX7s	A+	A+
GW85302M	70 W	MD	RX7s	A ÷ A+	A
GW85301S	70 W	SD	RX7s	A+	A+
GW85301M	70 W	MD	RX7s	A ÷ A+	A
GW85001S	70 W	SD	RX7s	A+	A+
GW85001M	70 W	MD	RX7s	A ÷ A+	A
GW85002S	150 W	SD	RX7s	A+	A+
GW85002M	150 W	MD	RX7s	A ÷ A+	A
GW85004M	100 W	ME	E27	A ÷ A+	A
GW85005S	70 W	ST*	E27	A+	A+
GW85031S	70 W	SD	RX7s	A+	A+
GW85031M	70 W	MD	RX7s	A ÷ A+	A
GW85032S	70 W	ST*	E27	A+	A+
GW85033S	150 W	SD	RX7s	A+	A+
GW85033M	150 W	MD	RX7s	A ÷ A+	A
GW85051S	70 W	SD	RX7s	A+	A+
GW85051M	70 W	MD	RX7s	A ÷ A+	A
GW85052S	150 W	SD	RX7s	A+	A+
GW85052M	150 W	MD	RX7s	A ÷ A+	A
GW85101S	250 W	ST	E40	A+ ÷ A++	A+
GW85101M	250 W	MT	E40	A ÷ A+	A
GW85102M	250 W	MT*	E40	A ÷ A+	A
GW85104S	400 W	ST	E40	A+ ÷ A++	A++
GW85104M	400 W	MT	E40	A ÷ A+	A
GW85105M	400 W	MT*	E40	A ÷ A+	A
GW85131S	250 W	ST	E40	A+ ÷ A++	A+
GW85131M	250 W	MT	E40	A ÷ A+	A
GW85132M	250 W	MT*	E40	A ÷ A+	A
GW85133S	400 W	ST	E40	A+ ÷ A++	A++
GW85133M	400 W	MT	E40	A ÷ A+	A
GW85134M	400 W	MT*	E40	A ÷ A+	A
GW85201S	250 W	ST	E40	A+ ÷ A++	A+
GW85201M	250 W	MT	E40	A ÷ A+	A
GW85202M	250 W	MT*	E40	A ÷ A+	A
GW85203S	400 W	ST	E40	A+ ÷ A++	A++
GW85203M	400 W	MT	E40	A ÷ A+	A

Code	Power	Compatible lamps	Coupling	EEL Compatible light sources	EEL Lamp supplied, if replaceable	Code	Power	Compatible lamps	Coupling	EEL Compatible light sources	EEL Lamp supplied, if replaceable
GW85204M	400 W	MT*	E40	A ÷ A+	A+	GW84491S	250 W	ST	E40	A ÷ A++	A+
GW85221S	250 W	ST	E40	A+ ÷ A++	A+	GW84491M	250 W	MT	E40	A ÷ A+	A
GW85221M	250 W	MT	E40	A ÷ A+	A	GW84495M	250 W	MT*	E40	A ÷ A+	A+
GW85222M	250 W	MT*	E40	A ÷ A+	A+	GW84494S	400 W	ST	E40	A ÷ A++	A++
GW85223S	400 W	ST	E40	A+ ÷ A++	A++	GW84494M	400 W	MT	E40	A ÷ A+	A
GW85223M	400 W	MT	E40	A ÷ A+	A	GW84496M	400 W	MT*	E40	A ÷ A+	A+
GW85224M	400 W	MT*	E40	A ÷ A+	A	GW84497	600 W	ST	E40	A+ ÷ A++	Not included
GW85241S	150 W	ST	E40	A+	A+	GW84520S	250 W	ST	E40	A+ ÷ A++	A+
GW85242S	250 W	ST	E40	A+ ÷ A++	A+	GW84520M	250 W	MT	E40	A ÷ A+	A
GW85242M	250 W	MT	E40	A ÷ A+	A	GW84521M	250 W	MT*	E40	A ÷ A+	A+
GW84201	500 W	HD	R7s	D ÷ C	Not included	GW84522S	400 W	ST	E40	A+ ÷ A++	A++
GW8421S	500 W	HD	R7s	D ÷ C	Not included	GW84522M	400 W	MT	E40	A ÷ A+	A
GW84202	1000 W	HD	R7s	C ÷ B	Not included	GW84523M	400 W	MT*	E40	A ÷ A+	A+
GW84203	1500 W	HD	R7s	C	Not included	GW84551S	250 W	ST	E40	A+ ÷ A++	A+
GW84204	1500 W	HD	R7s	D ÷ C	Not included	GW84551M	250 W	MT	E40	A ÷ A+	A
GW84205	1000 W	HD	R7s	C ÷ B	Not included	GW84552M	250 W	MT*	E40	A ÷ A+	A+
GW84220	500 W	HD	R7s	D ÷ C	Not included	GW84553S	400 W	ST	E40	A+ ÷ A++	A++
GW84011S	70 W	SD	RX7s	A+	A+	GW84553M	400 W	MT	E40	A ÷ A+	A
GW84011M	70 W	MD	RX7s	A ÷ A+	A	GW84554M	400 W	MT*	E40	A ÷ A+	A+
GW84012S	70 W	ST*	E27	A+	A+	GW85661	50 W	LED	\	A ÷ A++	LED - Not replaceable
GW84013M	100 W	ME	E27	A ÷ A+	A	GW85662	50 W	LED	\	A ÷ A++	LED - Not replaceable
GW84014S	150 W	SD	RX7s	A+	A+	GW85663	50 W	LED	\	A ÷ A++	LED - Not replaceable
GW84014M	150 W	MD	RX7s	A ÷ A+	A	GW85661B	50 W	LED	\	A ÷ A++	LED - Not replaceable
GW84015S	70 W	SD	RX7s	A+	A+	GW85662B	50 W	LED	\	A ÷ A++	LED - Not replaceable
GW84015M	70 W	MD	RX7s	A ÷ A+	A	GW85663B	50 W	LED	\	A ÷ A++	LED - Not replaceable
GW84016S	70 W	ST*	E27	A+	A+	GW85666	50 W	LED	\	A ÷ A++	LED - Not replaceable
GW84017M	100 W	ME	E27	A ÷ A+	A	GW85667	50 W	LED	\	A ÷ A++	LED - Not replaceable
GW84018S	150 W	SD	RX7s	A+	A+	GW85668	50 W	LED	\	A ÷ A++	LED - Not replaceable
GW84018M	150 W	MD	RX7s	A ÷ A+	A	GW85646	48 W	LED	\	A ÷ A++	LED - Not replaceable
GW84031S	70 W	SD	RX7s	A+	A+	GW85646B	48 W	LED	\	A ÷ A++	LED - Not replaceable
GW84031M	70 W	MD	RX7s	A ÷ A+	A	GW84173	18 W	LED	\	A ÷ A++	LED - Not replaceable
GW84032S	150 W	SD	RX7s	A+	A+	GW84183	18 W	LED	\	A ÷ A++	LED - Not replaceable
GW84032M	150 W	MD	RX7s	A ÷ A+	A	GW84173B	18 W	LED	\	A ÷ A++	LED - Not replaceable
GW84033S	70 W	SD	RX7s	A+	A+	GW84174	18 W	LED	\	A ÷ A++	LED - Not replaceable
GW84033M	70 W	MD	RX7s	A ÷ A+	A	GW84184	18 W	LED	\	A ÷ A++	LED - Not replaceable
GW84034S	150 W	SD	RX7s	A+	A+	GW84174B	18 W	LED	\	A ÷ A++	LED - Not replaceable
GW84034M	150 W	MD	RX7s	A ÷ A+	A	GW82081	27 W	LED	\	A ÷ A++	LED - Not replaceable
GW84041M	70 W	MD	RX7s	A ÷ A+	A	GW82082	27 W	LED	\	A ÷ A++	LED - Not replaceable
GW84042M	150 W	MD	RX7s	A ÷ A+	A	GW82083	27 W	LED	\	A ÷ A++	LED - Not replaceable
GW84043M	70 W	MD	RX7s	A ÷ A+	A	GW82084	27 W	LED	\	A ÷ A++	LED - Not replaceable
GW84044M	150 W	MD	RX7s	A ÷ A+	A	GW82085	27 W	LED	\	A ÷ A++	LED - Not replaceable
GW84051	35 W	MT	G12	A ÷ A+	Not included	GW82086	27 W	LED	\	A ÷ A++	LED - Not replaceable
GW84052	70 W	MT	G12	A+	Not included	GW82087	27 W	LED	\	A ÷ A++	LED - Not replaceable
GW84053	150 W	MT	G12	A+	Not included	GW82088	27 W	LED	\	A ÷ A++	LED - Not replaceable
GW84054	35 W	MT	G12	A ÷ A+	Not included	GW82089	27 W	LED	\	A ÷ A++	LED - Not replaceable
GW84055	70 W	MT	G12	A+	Not included	GW82082B	27 W	LED	\	A ÷ A++	LED - Not replaceable
GW84056	150 W	MT	G12	A+	Not included	GW82085B	27 W	LED	\	A ÷ A++	LED - Not replaceable
GW84057S	70 W	ST*	E27	A+	A+	GW82088B	27 W	LED	\	A ÷ A++	LED - Not replaceable
GW84059	90 W	MT	PGZ-12	A+	Not included	GW82961	3x1 W	LED	\	A ÷ A++	LED - Not replaceable
GW85401M	250 W	MT	E40	A ÷ A+	A	GW82963	1 W	LED	\	A ÷ A++	LED - Not replaceable
GW85401S	250 W	ST	E40	A+ ÷ A++	A+	GW82912	3x1 W	LED	\	A ÷ A++	LED - Not replaceable
GW85402M	250 W	MT*	E40	A ÷ A+	A+	GW82913	3x1 W	LED	\	A ÷ A++	LED - Not replaceable
GW85403M	400 W	MT	E40	A ÷ A+	A	GW82922	3x1 W	LED	\	A ÷ A++	LED - Not replaceable
GW85403S	400 W	ST	E40	A+ ÷ A++	A++	GW82923	3x1 W	LED	\	A ÷ A++	LED - Not replaceable
GW85404M	400 W	MT*	E40	A ÷ A+	A+	GW82927	3x1 W	LED	\	A ÷ A++	LED - Not replaceable
GW85421M	250 W	MT	E40	A ÷ A+	A	GW82928	3x1 W	LED	\	A ÷ A++	LED - Not replaceable
GW85421S	250 W	ST	E40	A+ ÷ A++	A+	GW82933	3x1 W	LED	\	A ÷ A++	LED - Not replaceable
GW85422M	250 W	MT*	E40	A ÷ A+	A+	GW82934	3x1 W	LED	\	A ÷ A++	LED - Not replaceable
GW85423M	400 W	MT	E40	A ÷ A+	A	GW82943	3x1 W	LED	\	A ÷ A++	LED - Not replaceable
GW85423S	400 W	ST	E40	A+ ÷ A++	A++	GW82944	3x1 W	LED	\	A ÷ A++	LED - Not replaceable
GW85424M	400 W	MT*	E40	A ÷ A+	A+	GW82948	3x1 W	LED	\	A ÷ A++	LED - Not replaceable
GW85441M	250 W	MD	FC2	A ÷ A+	A+	GW82949	3x1 W	LED	\	A ÷ A++	LED - Not replaceable
GW85442M	400 W	MD	FC2	A ÷ A+	A	GW82993	6x1 W	LED	\	A ÷ A++	LED - Not replaceable
GW85451M	150 W	MT	E40	A+	A+	GW82998	18x1 W	LED	\	A ÷ A++	LED - Not replaceable
GW85452M	250 W	MT	E40	A ÷ A+	A	GW82801	1x4 W	LED	\	A ÷ A++	LED - Not replaceable
GW85453	140 W	MT	PGZ-12	A+	Not included	GW82101	1x4 W	LED	\	A ÷ A++	LED - Not replaceable
GW85463M	250 W	MD	FC2	A ÷ A+	A+	GW82806	1x4 W	LED	\	A ÷ A++	LED - Not replaceable
GW85464M	400 W	MD	FC2	A ÷ A+	A	GW82106	1x4 W	LED	\	A ÷ A++	LED - Not replaceable
GW84460S	150 W	ST	E40	A+	A+	GW82812	3x1 W	LED	\	A ÷ A++	LED - Not replaceable
GW84461S	250 W	ST	E40	A+ ÷ A++	A+	GW82112	3x1 W	LED	\	A ÷ A++	LED - Not replaceable
GW84461M	250 W	MT	E40	A ÷ A+	A	GW82813	3x1 W	LED	\	A ÷ A++	LED - Not replaceable
GW84465M	250 W	MT*	E40	A ÷ A+	A+	GW82113	3x1 W	LED	\	A ÷ A++	LED - Not replaceable
GW84464S	400 W	ST	E40	A+ ÷ A++	A++	GW82837	5x1 W	LED	\	A ÷ A++	LED - Not replaceable
GW84464M	400 W	MT	E40	A ÷ A+	A	GW82137	5x1 W	LED	\	A ÷ A++	LED - Not replaceable
GW84466M	400 W	MT*	E40	A ÷ A+	A+	GW82838	5x1 W	LED	\	A ÷ A++	LED - Not replaceable
GW84467	600 W	ST	E40	A+ ÷ A++	Not included	GW82138	5x1 W	LED	\	A ÷ A++	LED - Not replaceable
GW84468	1000 W	MT	E40	A ÷ A+	Not included	GW82843	6x1 W	LED	\	A ÷ A++	LED - Not replaceable





# Energy Labelling

Code	Power	Compatible lamps	Coupling	EEL Compatible light sources	EEL Lamp supplied, if replaceable	Code	Power	Compatible lamps	Coupling	EEL Compatible light sources	EEL Lamp supplied, if replaceable
GW52706	36 W	LED	\	A ÷ A++	LED - Not replaceable	GW86864	60 W	HSG / FBT / DRB	E27	D ÷ A+	Not included
GW52716	36 W	LED	\	A ÷ A++	LED - Not replaceable	GW86865	60 W	HSG / FBT / DRB	E27	D ÷ A+	Not included
GW52736	36 W	LED	\	A ÷ A++	LED - Not replaceable	GW86866	60 W	HSG / FBT / DRB	E27	D ÷ A+	Not included
GW52746	36 W	LED	\	A ÷ A++	LED - Not replaceable	GW82021G	11 W	FSD	G23	B ÷ A	Not included
GW80551	18 W	FD	G13	B ÷ A	Not included	GW82026G	26 W	FSQ	G24d-3	B ÷ A	Not included
GW80552	36 W	FD	G13	B ÷ A	Not included	GW82284	18 W	FSD	2G11	B ÷ A	Not included
GW80553	18 W	FD	G13	B ÷ A	Not included	GW82212	18 W	FSD	2G11	B ÷ A	Not included
GW80554	36 W	FD	G13	B ÷ A	Not included	GW80001	18 W	FD	G13	B ÷ A	Not included
GW80555	58 W	FD	G13	B ÷ A	Not included	GW80002	36 W	FD	G13	B ÷ A	Not included
GW52421	55 W	LED	\	A ÷ A++	LED - Not replaceable	GW80003	58 W	FD	G13	B ÷ A	Not included
GW80571	18 W	FSQ	G24d-2	B ÷ A	Not included	GW80004	18 W	FD	G13	B ÷ A	Not included
GW80576	13 W	FSQ	G24d-1	B ÷ A	Not included	GW80005	36 W	FD	G13	B ÷ A	Not included
GW52411	17,5 W	LED	\	A ÷ A++	LED - Not replaceable	GW80006	58 W	FD	G13	B ÷ A	Not included
GW52416	17,5 W	LED	\	A ÷ A++	LED - Not replaceable	GW80141	18 W	FD	G13	B ÷ A	Not included
GW80581	13 W	FSQ	G24d-1	B ÷ A	Not included	GW80142	36 W	FD	G13	B ÷ A	Not included
GW80585	26 W	FSQ	G24q-3	B ÷ A	Not included	GW80143	58 W	FD	G13	B ÷ A	Not included
GW80761	60 W	HSG / FBT / DRB	E27	D ÷ A+	Not included	GW80144	18 W	FD	G13	B ÷ A	Not included
GW80616	60 W	HSG / FBT / DRB	E27	D ÷ A+	Not included	GW80145	36 W	FD	G13	B ÷ A	Not included
GW80591	13 W	FSQ	G24q-1	B ÷ A	Not included	GW80146	58 W	FD	G13	B ÷ A	Not included
GW81001	12 W	LED	\	A ÷ A++	LED - Not replaceable	GW80161	18 W	FD	G13	B ÷ A	Not included
GW81002	12 W	LED	\	A ÷ A++	LED - Not replaceable	GW80162	36 W	FD	G13	B ÷ A	Not included
GW81006	12 W	LED	\	A ÷ A++	LED - Not replaceable	GW80163	58 W	FD	G13	B ÷ A	Not included
GW81007	12 W	LED	\	A ÷ A++	LED - Not replaceable	GW80164	18 W	FD	G13	B ÷ A	Not included
GW80763	100 W	HSG / FBT / DRB	E27	D ÷ A+	Not included	GW80165	36 W	FD	G13	B ÷ A	Not included
GW80622	100 W	HSG / FBT / DRB	E27	D ÷ A+	Not included	GW80166	58 W	FD	G13	B ÷ A	Not included
GW80592	13 W	FSQ	G24q-1	B ÷ A	Not included	GW80791	28 W	FD	G5	A+	Not included
GW81011	30 W	LED	\	A ÷ A++	LED - Not replaceable	GW80792	49 W	FD	G5	A ÷ A+	Not included
GW81012	30 W	LED	\	A ÷ A++	LED - Not replaceable	GW80796	28 W	FD	G5	A+	Not included
GW81016	30 W	LED	\	A ÷ A++	LED - Not replaceable	GW80797	49 W	FD	G5	A ÷ A+	Not included
GW81017	30 W	LED	\	A ÷ A++	LED - Not replaceable	GW83703	35 W	MT	G12	A ÷ A+	Not included
GW80771	60 W	HSG / FBT / DRB	E27	D ÷ A+	Not included	GW83704	70 W	MT	G12	A+	Not included
GW80601	60 W	HSG / FBT / DRB	E27	D ÷ A+	Not included	GW83705	150 W	MT	G12	A+	Not included
GW80772	9 W	FSD	G23	B ÷ A	Not included	GW83713C	90 W	MT	PGZ-12	A+	A+
GW80604	9 W	FSD	G23	B ÷ A	Not included	GW83714C	140 W	MT	PGZ-12	A+	A+
GW80646	13 W	FSQ	G24q-1	B ÷ A	Not included	GW83715C	210 W	MT	PGZ-18	A+	A+
GW80644	9 W	FSD	G23	B ÷ A	Not included	GW83702	26/32/42 W	FSM	GX24q-3 / GX24q-4	A	Not included
GW80774	100 W	HSG / FBT / DRB	E27	D ÷ A+	Not included	GW83731	26 W	LED	\	A ÷ A++	LED - Not replaceable
GW80610	100 W	HSG / FBT / DRB	E27	D ÷ A+	Not included	GW83732	51 W	LED	\	A ÷ A++	LED - Not replaceable
GW80651	60 W	HSG / FBT / DRB	E27	D ÷ A+	Not included	GW83791	150 W	HSG / FBT / DRB	E27	D ÷ A+	Not included
GW80652	100 W	HSG / FBT / DRB	E27	D ÷ A+	Not included	GW83753	35 W	MT	G12	A ÷ A+	Not included
GW85306	2x18 W	FSQ	G24d-2	B ÷ A	Not included	GW83754	70 W	MT	G12	A+	Not included
GW85366	26/32/42 W	FSM	GX24q-3 / GX24q-4	A	Not included	GW83752	26/32/42 W	FSM	GX24q-3 / GX24q-4	A	Not included
GW85006	4x18 W	FSD	2G11	B ÷ A	Not included	GW83771	26 W	LED	\	A ÷ A++	LED - Not replaceable
GW85066	2x26/32/42 W	FSM	GX24q-3 / GX24q-4	A	Not included	GW80762	7 W	FSD	G23	B ÷ A	Not included
GW84021	2x26/32/42 W	FSM	GX24q-3 / GX24q-4	A	Not included	GW80619	7 W	FSD	G23	B ÷ A	Not included
GW84026	2x26/32/42 W	FSM	GX24q-3 / GX24q-4	A	Not included	GW80764	9 W	FSD	G23	B ÷ A	Not included
GW85601	35 W	MT	G12	A ÷ A+	Not included	GW80625	9 W	FSD	G23	B ÷ A	Not included
GW85602	70 W	MT	G12	A+	Not included	GW80773	9 W	FSD	G23	B ÷ A	Not included
GW85603	150 W	MT	G12	A+	Not included	GW80607	9 W	FSD	G23	B ÷ A	Not included
GW85611	35 W	MT	G12	A ÷ A+	Not included	GW80645	9 W	FSD	G23	B ÷ A	Not included
GW85612	70 W	MT	G12	A+	Not included	GW80775	26 W	FSQ	G24d-3	B ÷ A	Not included
GW85613	150 W	MT	G12	A+	Not included	GW80613	26 W	FSQ	G24d-3	B ÷ A	Not included
GW85622	70 W	MT	G12	A+	Not included	GW80653	7 W	FSD	G23	B ÷ A	Not included
GW85623	150 W	MT	G12	A+	Not included	GW80654	9 W	FSD	G23	B ÷ A	Not included
GW85633	70 W	MT	G12	A+	Not included	GW80656	16 W	FSS	GR8 2d	B ÷ A	Not included
GW84374	100 W	HS	B15d	D	Not included						
GW84390	100 W	HS	GY6.35	D ÷ B	Not included						
GW84376	35 W	MT	G12	A ÷ A+	Not included						
GW84377	70 W	MT	G12	A+	Not included						
GW86741	60 W	HSG / FBT / DRB	E27	D ÷ A+	Not included						
GW86742	100 W	HSG / FBT / DRB	E27	D ÷ A+	Not included						
GW86679	50 W	SE*	E27	A ÷ A+	Not included						
GW86680	70 W	SE*	E27	A ÷ A+	Not included						
GW86744	60 W	HSG / FBT / DRB	E27	D ÷ A+	Not included						
GW86745	100 W	HSG / FBT / DRB	E27	D ÷ A+	Not included						
GW86709	50 W	SE*	E27	A ÷ A+	Not included						
GW86710	70 W	SE*	E27	A ÷ A+	Not included						
GW86851	60 W	HSG / FBT / DRB	E27	D ÷ A+	Not included						
GW86852	60 W	HSG / FBT / DRB	E27	D ÷ A+	Not included						
GW86853	60 W	HSG / FBT / DRB	E27	D ÷ A+	Not included						
GW86854	60 W	HSG / FBT / DRB	E27	D ÷ A+	Not included						
GW86855	60 W	HSG / FBT / DRB	E27	D ÷ A+	Not included						
GW86856	60 W	HSG / FBT / DRB	E27	D ÷ A+	Not included						
GW86861	60 W	HSG / FBT / DRB	E27	D ÷ A+	Not included						
GW86862	60 W	HSG / FBT / DRB	E27	D ÷ A+	Not included						
GW86863	60 W	HSG / FBT / DRB	E27	D ÷ A+	Not included						

## 1. DEFINITIONS

1.1 In these General Sales Conditions the terms hereunder have the meaning as specified for each one of them:

- a) "GEWISS": the company GEWISS S.p.A.;
- b) "PURCHASER": the subject, natural person or legal entity requesting the purchase of GEWISS products;
- c) "PARTY" or "PARTIES": GEWISS and the PURCHASER individually or jointly considered;
- d) "ORDER" or "ORDERS": the purchase order or orders issued by the PURCHASER to GEWISS;
- e) "PRODUCTS": all the products offered by GEWISS and described in catalogues, drawings, technical sheets or its brochures;
- f) "GENERAL CONDITIONS": the general sales conditions hereunder.

## 2. SCOPE OF APPLICATION

2.1 The GENERAL CONDITIONS apply to all sales made between GEWISS and the PURCHASER whose subject matter is the PRODUCTS. As of 01.01.2017 these GENERAL CONDITIONS replace GEWISS' previous general sales conditions.

2.2 The PURCHASER cannot demand or take exception to conditions other than those contained in the GENERAL CONDITIONS. Therefore, any conditions set out in writing by the PURCHASER on the ORDER shall not be valid, or those in any other phase of the contractual negotiations as well as after the acceptance or knowledge of the GENERAL CONDITIONS, as well as any general purchasing conditions of the PURCHASER. To this end, the performance, even partial, of the ORDER by GEWISS or fulfilment of any other obligation in terms of the PURCHASER are not valid and cannot be interpreted as tacit or implicit acceptance of any general condition which has not been explicitly signed by GEWISS.

2.3 The GENERAL CONDITIONS are only valid for contractual relationships between GEWISS and professional operators, thus the Italian Legislative Decree no. 206 of 6th September 2005 (Consumer Law) is not applicable.

2.4 In the event of differences, unless otherwise agreed in writing between the PARTIES (for example in the sales conditions letter or in a specific contract) these GENERAL CONDITIONS shall have precedence.

## 3. PROCEDURE FOR FINALISING THE SALES CONTRACT

3.1 The ORDER sent by the PURCHASER to GEWISS constitutes an irrevocable contractual proposal which is binding for 30 days from the time GEWISS learns of it.

3.2 Within this 30 days period GEWISS, at its sole discretion, reserves the right to accept the ORDER or not, and notify the PURCHASER of its decision.

3.3 The sales contract shall be considered finalised following acceptance pursuant to the previous point or with the performance of the ORDER by GEWISS; in this case, the PURCHASER cannot cancel the ORDER without previous written approval from GEWISS and he cannot refuse the ordered PRODUCTS. Up to the time of finalising of the sales contract under the above conditions, offers and estimates made by GEWISS or its agents, representatives and assistants, shall not be binding for GEWISS.

3.4 In the event that the ORDER confirmation from GEWISS differs from the ORDER sent by the PURCHASER, for example but not limited to, the quantity of PRODUCTS, prices, discounts and delivery terms, such confirmation shall be considered as a counterproposal from GEWISS, and must be expressly accepted by the PURCHASER, for the contract to be considered finalised.

3.5 In any case, it is hereby understood that any oral agreement with the PURCHASER related to the sale shall not be binding for GEWISS unless confirmed in writing by

GEWISS.

3.6 In the event that the ORDER is cancelled by the PURCHASER before it is accepted or performed by GEWISS, GEWISS may ask the buyer to reimburse any expenses or charges incurred to perform the ORDER or part of it as well as compensation for any sustained damages.

## 4. PRICES

4.1 The prices indicated in GEWISS catalogues and price lists are considered VAT excluded for goods delivered EXW Incoterms® 2010 (ex works) of GEWISS, transportation, insurance, packing and assistance expenses excluded.

4.2 Such prices are merely given as a guideline and are not binding on GEWISS in any way, who reserves the right to make changes to the same proportionate to increases in labour, raw material and other cost items and for other causes which occur during the catalogue/price list validity period.

## 5. DELIVERIES

5.1 Unless otherwise agreed between the PARTIES, the PRODUCTS ARE delivered to the PURCHASER or third party assigned by the PURCHASER as per EXW Incoterms® 2010 (ex works) at GEWISS warehouse.

5.2 The delivery conditions indicated in the Order or order confirmation are not binding for Gewiss.

5.3 GEWISS is not liable for any indemnity or claim for compensation against GEWISS for direct or indirect damages due to delays or partial dispatch of the deliveries, as long as not attributable to fraud or gross negligence by GEWISS.

5.4 In the event that performance of the ORDER is obstructed by the occurrence of force majeure events, lack of regular raw material supplies or sub-supplies or other unpredictable circumstances occurring when the contract is finalised, the delivery dates shall be considered extended, without GEWISS being held liable for the delay and new dates shall be established by the PARTIES. The PURCHASER shall not have the right to refuse the delivery of the PRODUCT.

5.5 If, once the PRODUCTS are ready for shipping to the PURCHASER, and delivery is not made due to circumstances not attributable to GEWISS or due to force majeure, the delivery shall be considered performed for all extents and purposes with a simple notice of goods ready for picking-up to be notified to the PURCHASER by registered letter, fax or e-mail. From the day after sending the above notice, GEWISS shall be due in addition to the agreed upon price, a fee for storage at GEWISS' warehouse totalling 2% of the amount on the invoice for each entire week of delay; in the event of a delay less than a week the percentage shall be calculated in proportion to the days of delay. All risks related to the goods storage period at GEWISS' warehouse are the sole responsibility of the PURCHASER. If the PURCHASER'S refusal to receive the goods lasts for more than 30 days from the notice of goods ready for picking-up, GEWISS shall be entitled to terminate the sale contract and claim for compensation of damages.

## 6. RISKS

6.1 The risks of the delivery of the PRODUCTS are regulated by Incoterms® 2010 terms which are agreed by the PARTIES.

6.2 The PURCHASER, at the time of receiving the PRODUCTS, must always, in their own interest, check the quantity and conditions before the acceptance and notify the carrier of any damage immediately and in writing. Otherwise, every dispute related to the quantity and conditions of the packed and delivered PRODUCTS shall be refused.

## 7. QUANTITY AND PACKING

7.1 The ORDERS must comply with the minimum packing

quantities. In the event of ORDERS for lower quantities GEWISS reserves the right to charge the PURCHASER, subject to notification, the lump sum of 5 EUR for each line of bulk PRODUCT ORDER.

7.2 Standard packing are considered included in the sales price, while the costs for any non-standard packing, unless otherwise established between the PARTIES, shall be charged by GEWISS to the PURCHASER.

## 8. COMPLIANCE WITH PRODUCT STANDARDS

8.1 GEWISS guarantees that all PRODUCTS, which fall under the scope of application of European Directives and Regulations, comply with the essentials requirements set out in them, in order to be put on the market and ordered in European Union. Compliance with the Directives and Regulations is indicated by affixing of the graphic symbol "CE".

8.2 The exportation in some UE or extra UE Countries can be forbidden or require specific documents, mark o certification. The PURCHASE shall contact GEWISS for the relevant information.

## 9. MODIFICATIONS TO PRODUCTS

9.1 The indications, measurements, drawings and images of the PRODUCTS and related components present in GEWISS catalogues, brochures and websites, and in general all GEWISS technical and informational documentation are given as a guideline and example and are not binding in any way.

9.2 GEWISS, at any time and with no obligation for prior notice, reserves the right to make all of the modifications that it, at its sole discretion, feels opportune for improving the PRODUCT features and performance as well as to meet its own technological and production needs.

9.3 The quality and certification marks mentioned on GEWISS paper material shall be considered in force at the date of the printing of the documents. The updated list of marks is available on the site [www.gewiss.com](http://www.gewiss.com) or through the Technical Assistance Service. The updated certification list is available on [www.gewiss.com](http://www.gewiss.com) or upon request to the Technical Assistance Service.

## 10. QUALITY, WARRANTIES AND COMPLAINTS

10.1 All of the PRODUCTS have the qualities necessary for the normal uses for which they are intended, as shown in the technical documentation in effect at the time of sale, which the PURCHASER declares to know and accept. In addition, the PRODUCTS are covered by warranty for their correct operation and warranty for design and manufacturing faults and/or defects for a period of 24 months from the delivery date, with the exception of normal wear and tear parts. Once this period has elapsed the warranty becomes null and void, even if the PRODUCTS have not been put into operation for any reason.

10.2 The warranty is effective as long as the malfunctioning, faults and/or defects are not the result of: assembly or installation errors, failure to comply with or incorrect compliance with the technical specifications contained in the GEWISS catalogue or on any instruction sheets, failure to perform or incorrect maintenance, natural wear and tear, faults caused by inexperience or negligence, poor storage conditions, failure to immediately adopt measures to limit any malfunctions, overloading compared to the limits in the technical instruction, unauthorised intervention, tampering by or requested by the PURCHASER or others, fortuitous event or force majeure. Moreover, the warranty is not effective in case of malfunctioning of the software installed on the PRODUCT, due to overloading, interruption and/or suspension of electric energy.

10.3 Any complaint due to quality defects, failure to operate

# Generale sales conditions

or faulty operation or design and manufacturing faults and/or defects of the PRODUCTS must be notified to GEWISS in writing, subject to forfeiture of the warranty:

- within 8 days from delivery of the PRODUCTS in the event of clear faults and/or defects;

- within 8 days from discovery of the faults and/or defects becoming evident following delivery but within two years from the delivery.

10.4 For the complaint to be accepted, the PURCHASER is required to prove in writing the validity of the warranty, the correct storage and installation of the PRODUCT, and to supply GEWISS with adequate documentation proving the FAULTS/DEFECTS.

10.5 The warranty is limited, up to the sole discretion of GEWISS, to replacement of the defective PRODUCTS or components (both with identical or similar products) or by repairing the defective PRODUCTS or components. In any case the accessory expenses of the replacement or repair are excluded from the warranty.

10.6 Both in the case of replacement and repair of the defective PRODUCTS the original warranty period will continue and shall not be considered renewed.

10.7 GEWISS shall not be held liable for any additional warranty obligation, including implicit, resulting from laws, whether statutory or not, in favour of the PURCHASER, including implicit warranties for non-compliance, non-saleable defects and the suitability of the PRODUCTS for a special use.

## 11. LIABILITY

11.1 Without prejudice to mandatory limits set by law and with the exclusion of fraud and gross negligence, GEWISS shall not be liable for damages resulting from any non-fulfilment, as well as direct and/or indirect damages resulting from PRODUCT faults or defects, their malfunctioning or from repairs or replacements, by means of example and not limited to, loss of profit, loss of savings, loss of reputation, loss of goodwill and interruption of plants where the PRODUCTS are intended to be used.

11.2 GEWISS shall not be held liable for PRODUCTS sold and/or installed in Countries where there are regulations which do not allow their use, for uses which they are not intended or for installations and uses not in compliance with the PRODUCTS technical specifications indicated in the catalogues and instruction handbooks in effect at the time of the sale.

11.3 In the event of revision of the technical specifications and instruction handbook for PRODUCTS already delivered and/or installed during the warranty period, the PURCHASER shall not be covered under warranty for correct operation according to the new technical specifications.

11.4 The PURCHASER agrees to establish in all contracts regarding the PRODUCTS a clause limiting GEWISS' liability substantially identical to that envisaged by this article, assuming the complete and sole liability for the additional movement of PRODUCTS supplied by GEWISS.

## 12. RETURNS

12.1 Return of the PRODUCTS is not allowed without prior written authorisation from GEWISS, without which the goods shall be delivered again to the PURCHASER at the PURCHASER expenses and risks.

12.2 In the event of authorised return, the PRODUCTS shall be returned carriage paid at the expense and risk of the PURCHASER to GEWISS warehouses, within the term indicated by GEWISS. The PURCHASER shall be credited for the purchase price of the PRODUCTS, minus a minimum amount of 15% for administrative expenses. However, GEWISS reserves the right not to accept the return or to apply a higher percentage for administrative expenses if the

goods are returned after the period indicated above.

12.3 In any case, the return of PRODUCTS not present in the catalogue in effect at the time of the request to return or for which significant changes have been made to the technical specifications is prohibited.

## 13. PAYMENT OF THE PRICE

13.1 Payments shall be made in compliance with the "Supply Conditions" in the GEWISS catalogue in effect or according to what is otherwise agreed between the PARTIES in writing.

13.2 The delay, even partial of the payment of the invoices beyond their due date shall cause the immediate charging of interest in accordance with the legal measures in force, in addition to debiting of any bank expenses and fees.

13.3 Failure to pay for any reason, as well as failure to fulfil any other obligation by the PURCHASER authorises GEWISS to suspend the sales and related deliveries, as well as demand payment for the entire amount due, without prejudice to its right to withdraw from the ORDER being performed.

13.4 GEWISS also reserves the right to suspend supplies in the event of a significant modification in the PURCHASER'S economic situation, by means of example but not limited to, receivership, settlement with creditors, bankruptcy, transfer of the business, or serious financial difficulty.

13.5 Possible collection expenses or stamp duty for payments received by bank transfer or other forms of payment are at the PURCHASER charge.

13.6 Any discount agreed upon in writing between the PARTIES, is subject to complete compliance with payment due dates. Failure to pay within the agreed due dates shall result in forfeiture of the discount and the PURCHASER who unduly withheld it is obligated to reimburse it.

13.7 Any complaint from the PURCHASER including for late delivery of incomplete supply, shall not give the PURCHASER the right to suspend or delay payment.

13.8 The PURCHASER cannot claim any non-fulfilment of GEWISS', nor claim the warranty as per article 10 above, if not up to date with payments.

## 14. INTELLECTUAL PROPERTY

14.1 GEWISS shall remain the sole owner of the patents, drawings, designs and anything else used to create the PRODUCTS, which, therefore, the PURCHASER agrees not to give to third parties, reproduce or use, without prior authorization of GEWISS. If the creation of the PRODUCTS is performed by GEWISS based on specific request and technical documentation of the PURCHASER, GEWISS shall not be held liable for the violation of industrial property rights by third parties, which shall be the sole responsibility of the PURCHASER, who agrees to guarantee and indemnify and hold GEWISS harmless from any claims made against it.

14.2 The PURCHASER agrees to use GEWISS trademarks solely for the purposes of identifying, advertising and selling the PRODUCTS, refraining from registering them of having them registered without prior written approval from GEWISS.

14.3 The Purchaser is prevented from registering "gewiss" as domain name as well as any domain which contains words which look like or recall GEWISS.

14.4 Possible links to GEWISS' website and the publication on the PURCHASER's website of contents which refer to GEWISS shall be authorized in writing by the latter beforehand.

## 15. CONFIDENTIALITY OBLIGATION

15.1 The sales commercial conditions, particularly regarding the budget, incentive and discount conditions, as well as all other documentation or information classified by GEWISS as confidential, have a strictly confidential nature, therefore,

the PURCHASER agrees not to divulge them or communicate them to third parties, nor to use them for purposes other than the finalising and performance of this sales contract, for the period of 5 years after performance of the ORDER.

15.2 GEWISS reserves the right to pursue, including legally, any violations of the aforesaid confidentiality obligation.

## 16. PRIVACY

16.1 GEWISS agrees to collect and process the personal data it may learn of in compliance with the Italian Legislative Decree 196/2003, with the purposes connected to performing this contract and to fulfil all legal requirements including of a tax or accounting nature. The information is available on the website [www.gewiss.com](http://www.gewiss.com).

## 17. GEWISS CODE OF ETHICS AND ORGANIZATION, MANAGEMENT AND CONTROL MODEL - ANTI-CORRUPTION POLICY

17.1 The commercial relations governed by the GENERAL CONDITIONS are based on the principles of legality, transparency, correctness and fairness, in accordance with the contents of the Code of Ethics, the Organisation Management and Control Framework adopted by GEWISS and with the principles of the Anti-Corruption Policy available on the website [www.gewiss.com](http://www.gewiss.com). Any notifications about the violation of the aforesaid Framework may be sent using the "notification procedure" available on the website, to the e-mail address [ia-odv@gewiss.com](mailto:ia-odv@gewiss.com).

17.2 If, behaviours are adopted which do not comply with the aforesaid principles, GEWISS shall be entitled to take opportune measures, including cancellation of the ORDERS and request compensation for damages.

## 18. APPLICABLE LAW, COURT AND LANGUAGE

18.1 All sales contracts finalised by GEWISS, regardless of the PURCHASER'S nationality and place of destination of the PRODUCTS, are governed by Italian laws.

18.2 Application of the Vienna Convention on contracts for the international sale of goods of 11 April 1980 remains expressly excluded, as well as other statutory Conventions concerning international sales and governing conflicts between laws.

18.3 Any dispute arising between the PARTIES shall be submitted to the Italian court and solely to the Court of GEWISS' registered office, without prejudice to GEWISS' right to act at the PURCHASER'S address.

18.4 If these GENERAL CONDITIONS are drafted in more than one language, in case of conflicts, the text in Italian shall be decisive.





## WARRANTY CONDITIONS FOR GEWISS PRODUCTS WITH LED TECHNOLOGY

- 1.** This warranty is provided by Gewiss S.p.A. (hereinafter "Gewiss") in favour of the purchasers (hereinafter "Purchasers" or, individually, the "Purchaser") of Gewiss lighting products with LED technology (hereinafter "Products" or, individually, the "Product"), subject to the condition that the Purchaser has bought the Products in new conditions, in their original package and complete of their handling instructions.
- 2.** This warranty does not affect, but it is in addition to the guarantee rights provided by law and by Gewiss general sales conditions, or contractually agreed between Gewiss and the Purchaser.
- 3.** This warranty covers the Product defects, which can be demonstrated to be determined by raw material defects, or by constructive or manufacturing defects, for the period indicated in the table below, starting from the date of purchase of the Product.

Product	Warranty period
Street lighting ranges: Street, Urban and Road	5 years
Smart[Pro] range	5 years
Smart[4] range	5 years
Smart[3] range	5 years
Smart[3] C range	3 years
Smart[3] S range	3 years
All other LED products	2 years
- 4.** Products shall not be considered defective when at least one of the situations indicated below occurs:

  - a) less than 20% malfunction LEDs in each Product,
  - b) a variation of the light flux up to 0,4%/1.000 working hours, that is considered to be conform to the state of the technology art;
  - c) a defect of the driver not exceeding the nominal failure rate, which is considered equal to 0,1%/1.000 working hours, at the average temperature of 25° C, increased of further 0,1%/1.000 working hours per each 10° C of average temperature, exceeding 25° C;
  - d) Product components subject to wear and tear (such as batteries) and parties subject to a natural aesthetic decay, which does not affect the functionality or the safety of use of the Product.
- 5.** Gewiss, if the Product falls within the scope of this warranty, shall choose - at its sole discretion - whether to refund the Purchaser of the purchase price of the Product, or to repair the Product, or replace it with a Product of equivalent price and equivalent performances.
- 6.** Gewiss, when it chooses to repair the Product, may use new or reconditioned parts, guaranteeing in this case that the substitutive components are equivalent to the substituted ones in terms of performance and reliability. Whatever it is the solution chosen by Gewiss, none of these options involves the change or extension of the original warranty term of validity, i.e. starting from the purchase date of the Product.
- 7.** The Purchaser, subject to forfeiture of the warranty, shall notify the existence of defects to Gewiss e-mail [gestioneresi@gewiss.com](mailto:gestioneresi@gewiss.com) no later than thirty days from the discovery of the defect, providing at the same time: (i) a document proving the purchase date (for example: purchase invoice) and (ii) the data indicated on the label of the defected Product, including the production lot. Upon receipt of the notification and of the documents indicated above, Gewiss can ask the Purchaser to promptly return the Product directly to Gewiss, or to a sales point authorized by the same.
- 8.** In any case, the warranty does not apply when the defectiveness of the Product is determined by:









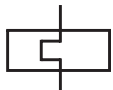
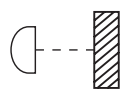



  - a) fire, Acts of God, vandalism, negligence, installation not properly set up or installation carried out by people not adequately qualified, use not allowed or use different than the purpose for which the Product was intended;
  - b) improper installation, wrong supply voltage and wrong wiring of the Products;
  - c) overcoming of the limits foreseen by Gewiss on the Products or packaging labels, on the instructions sheet or, if they are lacking, by the Regulations EN 60598 and EN 61547 concerning: overvoltage, voltage fluctuations, included harmonic oscillations and fast transients, electrostatic discharges, injected power supplies, presence of radio frequency electromagnetic fields, magnetic fields at mains frequency, voltage pulses, dips and short voltage interruptions, induced mechanical vibrations, harmonic oscillations and resonance associated with movements of air circulating around the Product, impacts, shocks, accelerations, aggressive atmospheres, temperature and its rapid changes, humidity, atmospheric pressure, presence of water, presence of sand or dust, solar radiation, thermic irradiation, wind, ice or frost, hail, condensation, contact with chemicals, presence of flora, presence of fauna, presence of moulds, vandalism, inadequate storage or transport conditions, or in any case, any other environmental condition, mechanical, electrical or thermal not expressly permitted;
  - d) improper or inadequate maintenance, if allowed or prescribed by Gewiss, or maintenance performed by a person not adequately qualified;
  - e) Product modification or repair performed by the Purchaser or by its delegate, without the express written consent by Gewiss.

With reference to the situations mentioned above, the Purchaser, upon Gewiss request, shall provide appropriate and complete proof about the proper use, the proper installation and maintenance of the Product, such as about the environmental and the installation context of the same.
- 9.** The warranty does not cover the costs incurred for the elimination of the defects, including - by way of indication only - the costs of disassembly and assembly, transportation or shipping costs of the defective or repaired Product, the rental costs of any lifting device.
- 10.** Except to the binding extent required by Law and with the exclusion of wilful misconduct and gross negligence, in no event Gewiss shall be liable for damages resulting from any breach, as well as from any direct or indirect damages caused by faults or defects of the Products, or by their malfunction such as by repairs or replacements, among which, by way of example, loss of profits, lack of savings, loss of reputation, loss of goodwill, block of plants in which the Products are destined to work. In any case, Gewiss liability shall not exceed the purchase price of the defective Product.
- 11.** Gewiss reserves the right to modify these warranty conditions at any time, by publishing the new terms on its website [www.gewiss.com](http://www.gewiss.com) and on its catalogues.
- 12.** This warranty is valid for Products purchased starting from the date below.


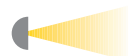


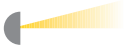
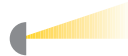
















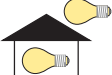

Effective date: November 1st, 2016

# Icon key

## REGULATORY ICONS

	Device for flammable surfaces		Low surface temperature device		Glow wire test		Class I
	Double insulation		Class III		Impact resistance		IP degree of protection
	Ballast with thermal protection integrated		Minimum distance from the lighted object		Maximum wind exposed surface		Luminaire approved for gym
	Luminaire for explosion environments						

## TECHNICAL ICONS

	Symmetrical restricted beam optics floodlight		Symmetrical diffused beam optics floodlight		Circular optics floodlight		Variable focus circular optics floodlight
	Asymmetrical restricted beam optics floodlight		Asymmetrical diffused beam optics floodlight		Street optics floodlight		Adjustable street lighting
	Restricted beam optics industrial high bay		Diffused beam optics industrial high bay		Transparent beam optics industrial high bay		Asymmetrical beam optics industrial high bay
	Indirect optics device		Ground recessed luminaire with symmetrical optic		Ground recessed luminaire with asymmetrical optic		Wall washer luminaire with symmetrical optic
	Wall recessed luminaire with symmetrical optic		Wall recessed luminaire with asymmetrical optic		Decorative device		Dual power regime
	Device with possible dimmer		Outdoor device		Indoor/outdoor device		Indoor device

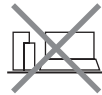
LUMINAIRE ICONS



Electromagnetic Ballast



Electronic Ballast



Not wired



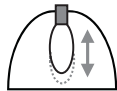
Hot re-strike



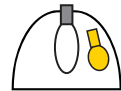
High bay diameter 470mm



High bay diameter 570mm



Adjustable lamp position



Auxiliary halogen lamp



High bay with flat glass closure



High bay with PC bowl closure



High bay with PMMA bowl closure



PMMA globe



Emergency device



Ni - Cd accumulator



Ni - Mh accumulator



Fast wiring device



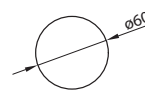
Installation hole 210 mm



Installation hole 75 mm



Pole with slots



Conical pole

**PWM**

Device via PWM protocol

**DMX**

Device via DMX protocol



RGB LED version



Luminaire completed with lamp



5 years warranty



5 years warranty See "plastic products warranty"



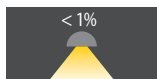
3 years warranty



Extended warranty

**CONSTANT CURRENT DRIVER**

Constant current driver



Reduced light pollution device



Non light polluting device

# GEWISS

## GEWISS S.p.A.

GEWISS S.p.A. Registered office:  
Via A. Volta, 1 - 24069 CENATE SOTTO (Bergamo) - Italy  
Tel. +39 035 946 111 - Fax +39 035 945 222  
gewiss@gewiss.com - www.gewiss.com

Sole Shareholder company - Bergamo Register of Companies/VAT / Tax code (IT) 00385040167  
REA 107496 - Share Capital 60,000,000.00 EUR fully paid up



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