



# Iridium² LED Large

## BGP353 GRN88-3S/740 PSR-CLO DM AL GR CLO

Iridium² LED Large, LED GreenLine 8800 lm, 740 neutral white,  
Power supply unit regulating with constant light output,  
Distribution medium, Grey, Constant light output

Iridium² is a family of road-lighting luminaires designed for performance and sustainability. Depending on the application and budget, customers can start with LED, electronic HID or a mix of both technologies with the same luminaire. Whatever the initial choice, Iridium²'s modularity allows customers to upgrade their installations (LED to LED or e-HID to LED) whenever they want, simply by changing the light engine. The integration of LEDGINE, brand new HID optics, electronic gear and controls is a response to the growing demand for energy savings. The new Iridium² HID optics are designed to deliver best-in-class lighting performance while offering tremendous flexibility in application. All these features, combined with Iridium²'s ease of installation and maintenance, ensure that customers enjoy low cost of ownership.

### Product data

General Information		Warranty period	
Lamp family code	GRN88 [LED GreenLine 8800 lm]	Flammability mark	-
Light source replaceable	Yes	ENEC mark	-
Number of gear units	1 unit	EU RoHS compliant	No
Driver included	Yes	Light Technical	
Photocell	-	Upward light output ratio	0
Light source engine type	LED	Luminous Flux	6,128 lm
Product family code	BGP353 [Iridium² LED Large]	Standard tilt angle posttop	0°
Lighting Technology	LED	Standard tilt angle side entry	0°
Embedded control	Constant light output	Correlated Color Temperature (Nom)	4000 K
CE mark	Yes		

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Luminous Efficacy (rated) (Nom)	84 lm/W
Color rendering index (CRI)	70
Number of light sources	64
Light source color	740 neutral white
Optical cover type	Flat glass
Luminaire light beam spread	150° x 62°
Optic type outdoor	Distribution medium

### Operating and Electrical

Input Voltage	220 to 240 V
Line Frequency	50 to 60 Hz
Initial CLO power consumption	52.26 W
Average CLO power consumption	59.63 W
End CLO power consumption	67 W
Inrush current	53 A
Inrush time	0.3 ms
Power Consumption	67 W
Power Factor (Fraction)	0.9
Connection	Plug-in connector 3-pole Wieland/Adels compatible
Cable	-
Number of products on MCB of 16 A type B 8	

### Temperature

Ambient temperature range	-25 to +25 °C
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### Controls and Dimming

Dimmable	No
Driver/power unit/transformer	Power supply unit regulating with constant light output
Constant light output	Yes

### Mechanical and Housing

Housing Material	Aluminum die cast
Reflector material	Acrylate
Optic material	Polycarbonate
Optical cover material	Tempered glass
Fixation material	Stainless steel
Housing Color	Grey

Mounting device	Universal for diameter 48 to 76 mm
Optical cover shape	Flat
Optical cover finish	Clear
Overall length	879 mm
Overall width	424 mm
Overall height	217 mm
Effective projected area	0.14 m <sup>2</sup>
Dimensions (Height x Width x Depth)	217 x 424 x 879 mm
Parts color	All parts colored

### Approval and Application

Ingress protection code	IP66 [Dust penetration-protected, jet-proof]
Mech. impact protection code	IK08 [5 J vandal-protected]
Surge Protection (Common/Differential)	Philips standard surge protection level
Protection class IEC	Safety class I

### Initial Performance (IEC Compliant)

Luminous flux tolerance	+/-7%
Initial chromaticity	(0.380, 0.380) SDCM <5
Power consumption tolerance	+/-10%
Init. Color Rendering Index Tolerance	+/-2

### Over Time Performance (IEC Compliant)

Driver failure rate at 5000 h	0.5 %
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### Product Data

Order product name	BGP353 GRN88-3S/740 PSR-CLO DM AL GR CLO
Full product name	BGP353 GRN88-3S/740 PSR-CLO DM AL GR CLO
Full product code	871829197541000
Order code	910925439480
Material Nr. (12NC)	910925439480
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718291975410
Numerator - Packs per outer box	1
EAN/UPC - Case	8718291975410

## Iridium<sup>2</sup> LED Large

### Dimensional drawing

