



Iridium² LED Large

BGP353 GRN98-3S/740 DM AL GR T15

Iridium² LED Large, LED GreenLine 9800 lm, 740 neutral white, Distribution medium, Grey

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	
Lamp family code	GRN98 [LED GreenLine 9800 lm]
Light source replaceable	Yes
Number of gear units	Unit
Driver included	Yes
Photocell	-
Light source engine type	LED
Product family code	BGP353 [Iridium² LED Large]
Lighting Technology	LED
Embedded control	-
CE mark	Yes
Warranty period	5 years

Flammability mark	-
ENEC mark	-
EU RoHS compliant	No
Light Technical	
Upwards light output ratio	0
Luminous Flux	8,943 lm
Standard tilt angle post-top	0°
Standard tilt angle side entry	0°
Correlated Colour Temperature	4000 K
Luminous efficacy (rated) (nom.)	123 lm/W
Colour rendering index (CRI)	70

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Light source colour	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
Inrush current	53 A
Inrush time	0.3 ms
Power Consumption	73 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
Constant light output	No

Mechanical and Housing

Housing material	Aluminium die cast
Reflector material	Acrylate
Optic material	Polycarbonate
Optical cover/lens material	Tempered glass
Fixation material	Stainless steel
Housing Colour	Grey
Mounting device	Universal for diameter 48 to 76 mm
Optical cover/lens shape	Flat
Optical cover/lens finish	Clear

Overall length	879 mm
Overall width	424 mm
Overall height	217 mm
Effective projected area	0.14 m ²
Dimensions (height x width x depth)	217 x 424 x 879 mm
Parts colour	All parts coloured

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

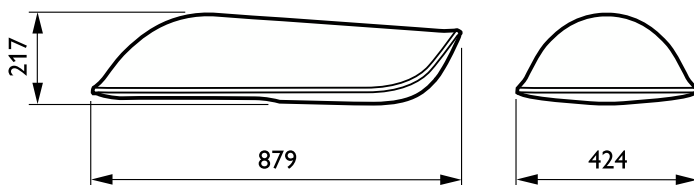
Over Time Performance (IEC Compliant)

Driver failure rate at 5,000 hours	0.5 %
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Product Data

Order product name	BGP353 GRN98-3S/740 DM AL GR T15
Full product name	BGP353 GRN98-3S/740 DM AL GR T15
Full EOC	871829197529800
Order code	97529800
Material no. (12 NC)	910925439468
SAP numerator – quantity per pack	1
EAN/UPC – Product/Case	8718291975298
Numerator – packs per outer box	1
EAN/UPC – Case	8718291975298

Dimensional drawing



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