



Iridium² LED Medium

BGP352 GRN59-3S/740 DM AL GR T15

Iridium² LED Medium, LED GreenLine 5900 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		useful life (B50) value also represents the B10 value.	
Lamp family code	GRN59 [LED GreenLine 5900 lm]	Light source engine type	LED
Light source replaceable	Yes	Product family code	BGP352 [Iridium² LED Medium]
Number of gear units	Unit	Lighting Technology	LED
Driver included	Yes	Embedded control	-
Photocell	-	CE mark	Yes
Remarks	*- According to the Lighting Europe guidance paper 'Evaluating performance of LED based luminaires – January 2018': statistically there is no relevant difference in lumen maintenance between the B50 and, for example, the B10. Therefore, the median	Warranty period	5 years
		Flammability mark	-
		ENEC mark	-
		EU RoHS compliant	No

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Light Technical	
Upwards light output ratio	0
Luminous Flux	5,369 lm
Standard tilt angle post-top	0°
Standard tilt angle side entry	0°
Correlated Colour Temperature	4000 K
Luminous efficacy (rated) (nom.)	72 lm/W
Colour rendering index (CRI)	70
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	46 A
Inrush time	0.25 ms
Power Consumption	46 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	11

Temperature	
Ambient temperature range	-25 to +25 °C

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	751 mm
Overall width	358 mm
Overall height	183 mm
Effective projected area	0.08 m ²
Dimensions (height x width x depth)	183 x 358 x 751 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)	
Control gear failure rate at median useful life 100,000 h	10 %
Lumen maintenance at median useful life* 100,000 h	L80

Application Conditions	
Performance ambient temperature Tq	15 °C

Product Data	
Order product name	BGP352 GRN59-3S/740 DM AL GR T15
Full product name	BGP352 GRN59-3S/740 DM AL GR T15
Full EOC	871829142466600
Order code	42466600
Material no. (12 NC)	910925439547
SAP numerator – quantity per pack	1
EAN/UPC – Product/Case	8718291424666
Numerator – packs per outer box	1
EAN/UPC – Case	8718291424666

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Dimensional drawing

