

Iridium² LED Medium

BGP352 GRN78-3S/740 DW AL GR P3-70 T15

Iridium² LED Medium, LED GreenLine 7800 lm, 740 neutral white, Distribution wide, Grey, Minicell (hole 20 mm) preset for 70 lx

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	GRN78 [LED GreenLine 7800 lm]
Light source replaceable	Yes
Number of gear units	1 unit
Driver included	Yes
Photocell	Minicell (hole 20 mm) preset for 70 lx
Remarks	*-Per Lighting Europe guidance paper "Evaluating performance of LED based luminaires - January 2018": statistically there is no relevant difference in lumen maintenance between B50 and for example B10. Therefore, the median useful life (B50) value also represents the B10 value.
Light source engine type	LED
Product family code	BGP352 [Iridium² LED Medium]
Lighting Technology	LED
Embedded control	-
CE mark	Yes
Warranty period	5 years
Flammability mark	-
ENEC mark	-

Iridium² LED Medium

EU RoHS compliant	No

Light Technical

Upward light output ratio	0
Luminous Flux	7,021 lm
Standard tilt angle posttop	0°
Standard tilt angle side entry	0°
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	100 lm/W
Color rendering index (CRI)	70
Number of light sources	48
Light source color	740 neutral white
Optical cover type	Flat glass
Luminaire light beam spread	83° x 130°
Optic type outdoor	Distribution wide

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	60 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	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	751 mm
Overall width	358 mm
Overall height	183 mm
Effective projected area	0.08 m²
Dimensions (Height x Width x Depth)	183 x 358 x 751 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)

Control gear failure rate at median useful life 100000 h	10 %
Lumen maintenance at median useful life* 100000 h	L80

Application Conditions

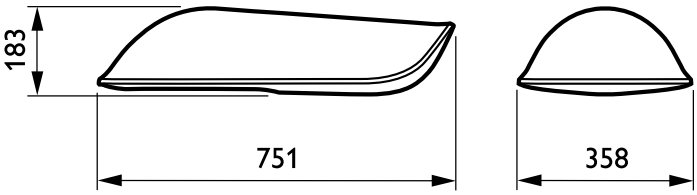
Performance ambient temperature Tq	15 °C

Product Data

Order product name	BGP352 GRN78-3S/740 DW AL GR P3-70 T15
Full product name	BGP352 GRN78-3S/740 DW AL GR P3-70 T15
Full product code	871829142442000
Order code	910925439536
Material Nr. (12NC)	910925439536
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718291424420
Numerator - Packs per outer box	1
EAN/UPC - Case	8718291424420

Iridium² LED Medium

Dimensional drawing



© 2023 Signify Holding All rights reserved. Signify does not give any representation or warranty as to the accuracy or completeness of the information included herein and shall not be liable for any action in reliance thereon. The information presented in this document is not intended as any commercial offer and does not form part of any quotation or contract, unless otherwise agreed by Signify. Philips and the Philips Shield Emblem are registered trademarks of Koninklijke Philips N.V.