

Iridium² LED Large

BGP353 GRN98-3S/740 DM AL GR P3-70 T15

Iridium² LED Large, LED GreenLine 9800 lm, 740 neutral white, Distribution medium, 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	GRN98 [LED GreenLine 9800 lm]
Light source replaceable	Yes
Number of gear units	1 unit
Driver included	Yes
Photocell	Minicell (hole 20 mm) preset for 70 lx
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	
Upward light output ratio	0
Luminous Flux	8,943 lm
Standard tilt angle posttop	0°
Standard tilt angle side entry	0°
Correlated Color Temperature (Nom)	4000 K

Iridium² LED Large

Luminous Efficacy (rated) (Nom)	123 lm/W
Color rendering index (CRI)	70
Number of light sources	80
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
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

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	879 mm
Overall width	424 mm
Overall height	217 mm
Effective projected area	0.14 m²
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

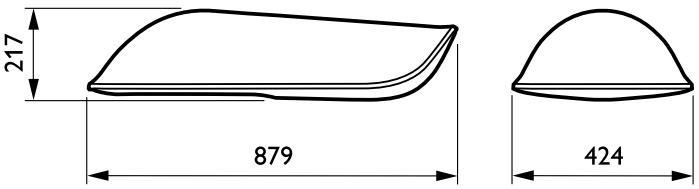
Over Time Performance (IEC Compliant)

Driver failure rate at 5000 h	0.5 %

Product Data

Order product name	BGP353 GRN98-3S/740 DM AL GR P3-70 T15
Full product name	BGP353 GRN98-3S/740 DM AL GR P3-70 T15
Full product code	871829197509000
Order code	910925439464
Material Nr. (12NC)	910925439464
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718291975090
Numerator - Packs per outer box	1
EAN/UPC - Case	8718291975090

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.