

Iridium² LED Medium

BGP352 ECO85-3S/740 PSR-CLO II DM AL GR

Iridium² LED Medium, LED EconomyLine 8500 lm, 740 neutral white, Power supply unit regulating with constant light output, Safety class II, 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	ECO85 [LED EconomyLine 8500 lm]
Light source replaceable	Yes
Number of gear units	1 unit
Driver included	Yes
Photocell	-
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	8,004 lm
Standard tilt angle posttop	0°
Standard tilt angle side entry	0°
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	111 lm/W
Color rendering index (CRI)	70
Number of light sources	36
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	55.44 W
Average CLO power consumption	63.72 W
End CLO power consumption	72 W
Inrush current	46 A
Inrush time	0.25 ms
Power Consumption	72 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 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	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 II

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 75000 h	7.5 %
Lumen maintenance at median useful life* 75000 h	L80

Application Conditions

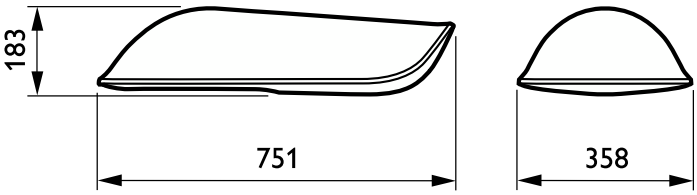
Performance ambient temperature Tq	25 °C

Product Data

Order product name	BGP352 ECO85-3S/740 PSR-CLO II DM AL GR
Full product name	BGP352 ECO85-3S/740 PSR-CLO II DM AL GR
Full product code	871829142489500
Order code	910925439567
Material Nr. (12NC)	910925439567
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718291424895
Numerator - Packs per outer box	1
EAN/UPC - Case	8718291424895

Iridium² LED Medium

Dimensional drawing



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