



Iridium² LED Medium

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

Iridium² LED Medium - LED EconomyLine 8500 lm - 3rd generation, screw fixation - 740 neutral white - Power supply unit regulating with constant light output - Safety class II (II) - Distribution medium - All parts colored - Gray

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		Optical cover/lens type	
Number of light sources	36 [36 pcs]	Optical cover/lens type	FG [Flat glass]
Lamp family code	ECO85 [LED EconomyLine 8500 lm]	Luminaire light beam spread	150° x 62°
Lamp version	3S [3rd generation, screw fixation]	Embedded control	No [-]
Light source color	740 neutral white	Light regulation	-
Light source replaceable	Yes	Electrical circuit protection	-
Number of gear units	1 unit	Connection	W [Plug-in connector 3-pole Wieland/Adels compatible]
Driver/power unit/transformer	PSR-CLO [Power supply unit regulating with constant light output]	Cable	-
Driver included	Yes	Protection class IEC	Safety class II (II)
		Parts color	All parts colored

Iridium² LED Medium

Coating	-
Flammability mark	NO [-]
CE mark	CE mark
ENEC mark	-
Green Flagship mark	Green Flagship
Warranty period	5 years
Optic type outdoor	Distribution medium
Colored frame	-
Photocell	No [-]
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.
Constant light output	Yes
Number of products on MCB of 16 A type B	11
EU RoHS compliant	No
WEEE mark	-
Light source engine type	LED
Serviceability class	Class A, luminaire is equipped with serviceable parts (when applicable): LED board, driver, control units, surge protection device, optics, front cover and mechanical parts
Product family code	BGP352 [Iridium ² LED Medium]

Light Technical

Upward light output ratio	0
Standard tilt angle posttop	0°
Standard tilt angle side entry	0°

Operating and Electrical

Input Voltage	220 to 240 V
Input 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 Factor (Min)	0.9

Controls and Dimming

Dimmable	No
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Mechanical and Housing

Housing Material	Aluminum die-cast
Reflector material	Acrylate
Optic material	Polycarbonate
Optical cover/lens material	Tempered glass

Fixation material	Stainless steel
Mounting device	48/76 [Universal for diameter 48-76 mm]
Optical cover/lens shape	Flat
Optical cover/lens finish	Clear
Torque	25
Overall length	751 mm
Overall width	358 mm
Overall height	183 mm
Effective projected area	0.08 m ²
Color	Gray
Dimensions (Height x Width x Depth)	183 x 358 x 751 mm (7.2 x 14.1 x 29.6 in)

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 kV

Initial Performance (IEC Compliant)

Initial luminous flux (system flux)	8004 lm
Luminous flux tolerance	+/-7%
Initial LED luminaire efficacy	111 lm/W
Init. Corr. Color Temperature	4000 K
Init. Color Rendering Index	70
Initial chromaticity	(0.380, 0.380) SDCM <5
Initial input power	72 W
Power consumption tolerance	+/-11%

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

Ambient temperature range	-25 to +25 °C
Performance ambient temperature Tq	25 °C

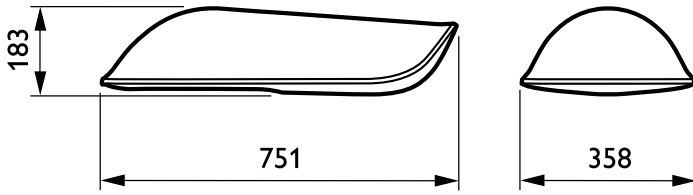
Product Data

Full product code	871829142489500
Order product name	BGP352 ECO85-3S/740 PSR-CLO II DM AL GR
EAN/UPC - Product	8718291424895
Order code	42489500
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	1
Material Nr. (12NC)	910925439567
Net Weight (Piece)	13.255 kg



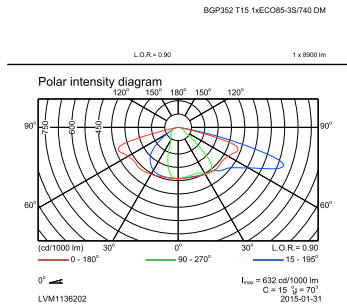
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Dimensional drawing



Iridium2 LED BGP352/353

Photometric data



OFPC_BGP352 T15 1xECO85-3S/740 DM-Polar Outdoor (combined)

