



Iridium² LED Medium

BGP352 ECO42-3S/740 II DM AL GR T25

Iridium² LED Medium - LED EconomyLine 4200 lm - 3rd generation, screw fixation - 740 neutral white - Safety class II - Distribution medium - All parts colored - Grey - 25 °C

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		Embedded control	No [-]
Number of light sources	24 [24 pcs]	Light regulation	-
Lamp family code	ECO42 [LED EconomyLine 4200 lm]	Electrical circuit protection	-
Lamp version	3S [3rd generation, screw fixation]	Connection	Plug-in connector 3-pole Wieland/Adels compatible
Light source colour	740 neutral white	Cable	-
Light source replaceable	Yes	Protection class IEC	Safety class II
Number of gear units	1 unit	Parts colour	All parts colored
Driver/power unit/transformer	PSR [Power supply unit regulating]	Coating	-
Driver included	Yes	Flammability mark	NO [-]
Optical cover/lens type	FG [Flat glass]	CE mark	CE mark
Luminaire light beam spread	150° x 62°		

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ENEC mark	-
Green flagship mark	Green Flagship
Warranty period	5 years
Outdoor optic type	Distribution medium
Coloured 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	No
Number of products on MCB	11
RoHS mark	-
WEEE mark	-
LED engine type	LED
Product Family Code	BGP352 [Iridium ² LED Medium]

Light Technical

Upward light output ratio	0
Standard tilt angle post-top	0°
Standard tilt angle side entry	0°

Operating and Electrical

Input voltage	220 to 240 V
Input frequency	50 to 60 Hz
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	Aluminium 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
Colour	Grey

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	3780 lm
Luminous flux tolerance	+/-7%
Initial LED luminaire efficacy	105 lm/W
Init. Corr. colour temperature	4000 K
Init. colour rendering index	70
Initial chromaticity	(0.380, 0.380) SDCM <5
Initial input power	41 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

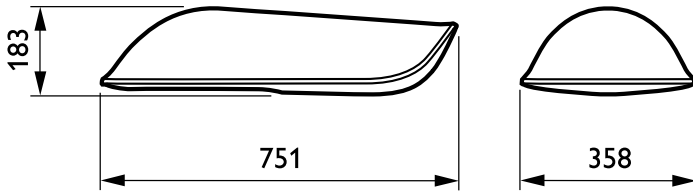
Performance ambient temperature Tq	25 °C
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Product Data

Full product code	871829197658500
Order product name	BGP352 ECO42-3S/740 II DM AL GR T25
EAN/UPC – product	8718291976585
Order code	97658500
Numerator – quantity per pack	1
Numerator – packs per outer box	1
Material no. (I2NC)	910925439593
Net weight (piece)	13.175 kg

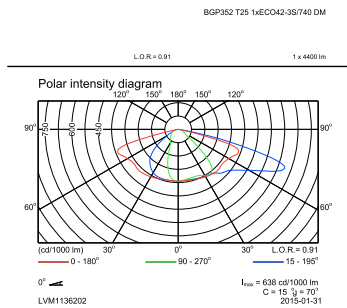
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Dimensional drawing



Iridium2 LED BGP352/353

Photometric data



OFPC1_BGP352 T25 1xECO42-3S740 DM.EPS

