



Iridium² LED Medium

BGP352 ECO71-3S/740 II DM AL GR T25

Iridium² LED Medium - LED EconomyLine 7100 lm - 3rd generation, screw fixation - 740 neutral white - Safety class II (II) - Distribution medium - All parts colored - Gray - 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			
Number of light sources	28 [28 pcs]	Embedded control	No [-]
Lamp family code	ECO71 [LED EconomyLine 7100 lm]	Light regulation	-
Lamp version	3S [3rd generation, screw fixation]	Electrical circuit protection	-
Light source colour	740 neutral white	Connection	W [Plug-in connector 3-pole Wieland/Adels compatible]
Light source replaceable	Yes	Cable	-
Number of gear units	1 unit	Protection class IEC	Safety class II (II)
Driver/power unit/transformer	PSR [Power supply unit regulating]	Parts colour	All parts colored
Driver included	Yes	Coating	-
Optical cover/lens type	FG [Flat glass]	Flammability mark	NO [-]
Luminaire light beam spread	150° x 62°	CE mark	CE mark

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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
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	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
Colour	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	6229 lm
Luminous flux tolerance	+/-7%
Initial LED luminaire efficacy	83 lm/W
Init. Corr. colour temperature	4000 K
Init. colour rendering index	70
Initial chromaticity	(0.380, 0.380) SDCM <5
Initial input power	61 W
Power consumption tolerance	+/-11%

Over Time Performance (IEC Compliant)

Control gear failure rate at median useful life 75,000 h	7.5 %
Lumen maintenance at median useful life* 75,000 h	L80

Application Conditions

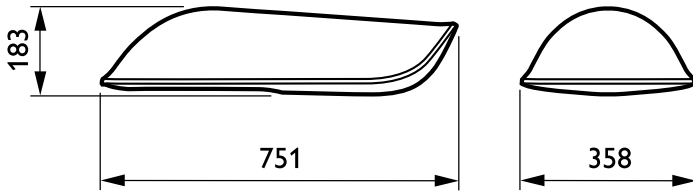
Ambient temperature range	-25 to +25 °C
Performance ambient temperature Tq	25 °C

Product Data

Full product code	871829197662200
Order product name	BGP352 ECO71-3S/740 II DM AL GR T25
EAN/UPC – product	8718291976622
Order code	97662200
Numerator – quantity per pack	1
Numerator – packs per outer box	1
Material no. (12NC)	910925439597
Net weight (piece)	13.175 kg

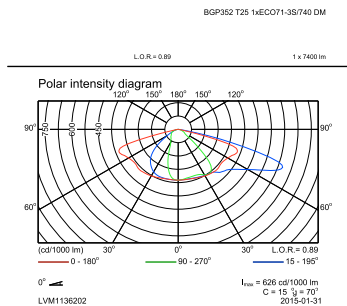
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Dimensional drawing



Iridium2 LED BGP352/353

Photometric data



OFPC_BGP352 T25 1xECO71-3S/740 DM-Polar Outdoor (combined)

