



# Iridium<sup>2</sup> LED Medium

## BGP352 ECO57-3S/740 PSR-CLO II DM AL GR

Iridium<sup>2</sup> LED Medium - LED EconomyLine 5700 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

Iridium<sup>2</sup> 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, Iridium<sup>2</sup>'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 Iridium<sup>2</sup> HID optics are designed to deliver best-in-class lighting performance while offering tremendous flexibility in application. All these features, combined with Iridium<sup>2</sup>'s ease of installation and maintenance, ensure that customers enjoy low cost of ownership.

### Product data

General Information		Optical cover/lens type	FG [ Flat glass]
Number of light sources	24 [ 24 pcs]	Luminaire light beam spread	150° x 62°
Lamp family code	ECO57 [ LED EconomyLine 5700 lm]	Embedded control	No [ -]
Lamp version	3S [ 3rd generation, screw fixation]	Light regulation	-
Light source color	740 neutral white	Electrical circuit protection	-
Light source replaceable	Yes	Connection	W [ Plug-in connector 3-pole Wieland/Adels compatible]
Number of gear units	1 unit	Cable	-
Driver/power unit/transformer	PSR-CLO [ Power supply unit regulating with constant light output]	Protection class IEC	Safety class II (II)
Driver included	Yes	Parts color	All parts colored

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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
Spare parts available	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 <sup>2</sup> 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	38.5 W
Average CLO power consumption	44.25 W
End CLO power consumption	50 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 <sup>2</sup>
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)	5485 lm
Luminous flux tolerance	+/-7%
Initial LED luminaire efficacy	109 lm/W
Init. Corr. Color Temperature	4000 K
Init. Color Rendering Index	70
Initial chromaticity	(0.380, 0.380) SDCM <5
Initial input power	50 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

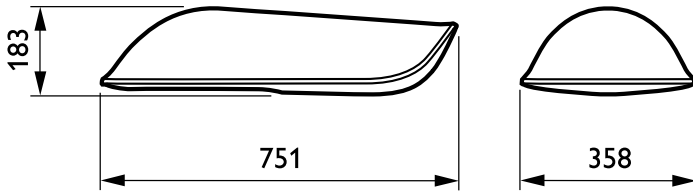
### Product Data

Full product code	871829142486400
Order product name	BGP352 ECO57-3S/740 PSR-CLO II DM AL GR
EAN/UPC - Product	8718291424864
Order code	42486400
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	1
Material Nr. (12NC)	910925439564
Net Weight (Piece)	13.175 kg



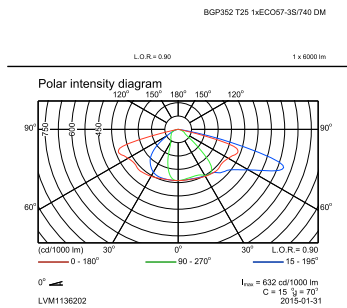
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## Dimensional drawing



## Iridium2 LED BGP352/353

## Photometric data



## OFPC1\_BGP352 T25 1xECO57-3S740 DM.EPS

