



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

## BGP352 GRN78-3S/740 II DM AL GR T25

Iridium<sup>2</sup> LED Medium - LED GreenLine 7800 lm - 3rd generation, screw fixation - 740 neutral white - Safety class II (II) - Distribution medium - All parts colored - Gray - 25 °C

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		Embedded control	No [-]
Number of light sources	48 [ 48 pcs]	Light regulation	-
Lamp family code	GRN78 [ LED GreenLine 7800 lm]	Electrical circuit protection	-
Lamp version	3S [ 3rd generation, screw fixation]	Connection	W [ 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 (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
WEEE mark	-
LED engine type	LED
Product Family Code	BGP352 [ Iridium <sup>2</sup> 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 <sup>2</sup>
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	6896 lm
Luminous flux tolerance	+/-7%
Initial LED luminaire efficacy	99 lm/W
Init. Corr. colour temperature	4000 K
Init. colour rendering index	70
Initial chromaticity	(0.380, 0.380) SDCM <5
Initial input power	60 W
Power consumption tolerance	+/-11%

### Over Time Performance (IEC Compliant)

Control gear failure rate at median useful life 100,000 h	10 %
Lumen maintenance at median useful life* 100,000 h	L80

### Application Conditions

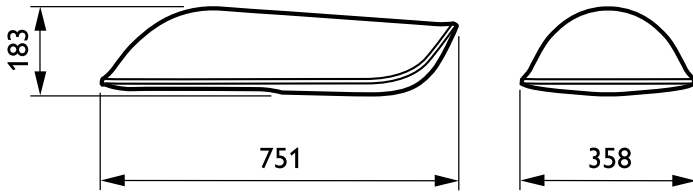
Ambient temperature range	-25 to +25 °C
Performance ambient temperature Tq	25 °C

### Product Data

Full product code	871829142517500
Order product name	BGP352 GRN78-3S/740 II DM AL GR T25
EAN/UPC - product	8718291425175
Order code	42517500
Numerator - quantity per pack	1
Numerator - packs per outer box	1
Material no. (12NC)	910925439580
Net weight (piece)	13.255 kg

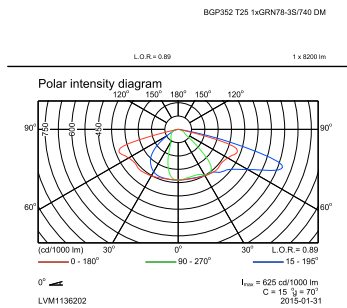
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## Dimensional drawing



## Iridium2 LED BGP352/353

## Photometric data



## OFPC1\_BGP352 T25 1xGRN78-3S740 DM.EPS

