# **PHILIPS** Lighting



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

### BGP352 GRN78-3S/740 DM AL GR T15

Iridium<sup>2</sup> LED Medium, LED GreenLine 7800 lm, 740 neutral white, Distribution medium, Grey

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   Lamp family code GRN78 [LED GreenLine 7800 lm]   Light source replaceable Yes   Number of gear units 1 unit   Driver included Yes   Photocell -   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.		
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Light source engine type	LED
Product family code	BGP352 [Iridium <sup>2</sup> LED Medium]
Lighting Technology	LED
Embedded control	-
CE mark	Yes
Warranty period	5 years
Flammability mark	-
ENEC mark	-
EU RoHS compliant	No
Light Technical	
Upward light output ratio	0

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

Luminous Flux	7,021 lm
Standard tilt angle posttop	0°
Standard tilt angle side entry	0°
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	94 lm/W
Color rendering index (CRI)	70
Number of light sources	48
Light source color	740 neutral white
Optical cover type	Flat glass
Luminaire light beam spread	150° x 62°
Optic type outdoor	Distribution medium

#### **Operating and Electrical**

Input Voltage	220 to 240 V
Line Frequency	50 to 60 Hz
Inrush current	46 A
Inrush time	0.25 ms
Power Consumption	60 W
Power Factor (Fraction)	0.9
Connection	Plug-in connector 3-pole Wieland/Adels
	compatible
Cable	-

Number of products on MCB of 16 A type	11
В	

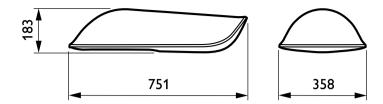
Temperature	
Ambient temperature range	-25 to +25 ℃
Controls and Dimming	
Dimmable	No
Driver/power unit/transformer	Power supply unit regulating
Constant light output	No

#### Mechanical and Housing Housing Material Aluminum die cast **Reflector material** Acrylate Optic material Polycarbonate Optical cover material Tempered glass Fixation material Stainless steel Housing Color Grey Mounting device Universal for diameter 48 to 76 mm Optical cover shape Flat

Optical cover finish	Clear
Overall length	751 mm
Overall width	358 mm
Overall height	183 mm
Effective projected area	0.08 m²
Dimensions (Height x Width x Depth)	183 x 358 x 751 mm
Parts color	All parts colored
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
Protection class IEC	Safety class I
Initial Performance (IEC Compliant)	
Luminous flux tolerance	+/-7%
Initial chromaticity	(0.380, 0.380) SDCM <5
Power consumption tolerance	+/-10%
Init. Color Rendering Index Tolerance	+/-2
Init. Color Rendering Index Tolerance Over Time Performance (IEC Complia Control gear failure rate at median useful life 100000 h Lumen maintenance at median useful life*	ant) 10 %
Over Time Performance (IEC Complia Control gear failure rate at median useful life 100000 h Lumen maintenance at median useful life* 100000 h Application Conditions	ant) 10 % L80
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#### Iridium<sup>2</sup> LED Medium

Dimensional drawing





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