# **PHILIPS** Lighting



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

# BGP352 ECO99-3S/740 PSR-CLO DM AL GR CLO

Iridium<sup>2</sup> LED Medium, LED EconomyLine 9900 lm, 740 neutral white, Power supply unit regulating with constant light output, Distribution medium, Grey, Constant light output

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	ECO99 [LED EconomyLine 9900 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.
Light source engine type	LED
Product family code	BGP352 [Iridium <sup>2</sup> LED Medium]
Lighting Technology	LED
Embedded control	Constant light output
CE mark	Yes
Warranty period	5 years
Flammability mark	-
ENEC mark	-

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

EU RoHS compliant	No
Light Technical	
Upward light output ratio	0
Luminous Flux	6,955 lm
Standard tilt angle posttop	0°
Standard tilt angle side entry	0°
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	86 lm/W
Color rendering index (CRI)	70
Number of light sources	40
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
Initial CLO power consumption	65.45 W
Average CLO power consumption	75.225 W
End CLO power consumption	85 W
Inrush current	53 A
Inrush time	0.3 ms
Power Consumption	85 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	8

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Temperature

Ambient temperature range

Controls and Dimming	
Dimmable	No
Driver/power unit/transformer	Power supply unit regulating with constant
	light output
Constant light output	Yes
Mechanical and Housing	
Housing Material	Aluminum die cast
Reflector material	Acrylate
Optic material	Polycarbonate
Optical cover material	Tempered glass
Fixation material	Stainless steel

-25 to +25 °C

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

initiat chromaticity	(0.500, 0.500) 500141 ~5
Power consumption tolerance	+/-10%
Init. Color Rendering Index Tolerance	+/-2

#### Over Time Performance (IEC Compliant)

Control gear failure rate at median useful 7.5 % life 75000 h

Lumen maintenance at median useful life\* L80

#### 75000 h

#### **Application Conditions**

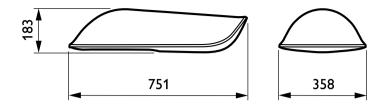
Performance ambient temperature Tq 25 °C

#### **Product Data**

Order product name	BGP352 ECO99-3S/740 PSR-CLO DM AL GR
	CLO
Full product name	BGP352 ECO99-3S/740 PSR-CLO DM AL GR
	CLO
Full product code	871829142490100
Order code	42490100
Material Nr. (12NC)	910925439568
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718291424901
Numerator - Packs per outer box	1
EAN/UPC - Case	8718291424901

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

Dimensional drawing





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