

Iridium² LED Large

BGP353 ECO156-3S/740 II DM AL GR LS-8 50

Iridium² LED Large, LED EconomyLine 15600 lm, 740 neutral white, Safety class II, Distribution medium, Grey, LumiStep dimming 8 hours

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	
Lamp family code	ECO156 [LED EconomyLine 15600 lm]
Light source replaceable	Yes
Number of gear units	1 unit
Driver included	Yes
Photocell	-
Light source engine type	LED
Product family code	BGP353 [Iridium² LED Large]
Lighting Technology	LED
Embedded control	LumiStep dimming 8 hours
CE mark	Yes

Warranty period	5 years
Flammability mark	-
ENEC mark	-
EU RoHS compliant	No

Light Technical	
Upward light output ratio	0
Luminous Flux	14,084 lm
Standard tilt angle posttop	0°
Standard tilt angle side entry	0°
Correlated Color Temperature (Nom)	4000 K

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Luminous Efficacy (rated) (Nom)	109 lm/W
Color rendering index (CRI)	70
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	53 A
Inrush time	0.3 ms
Power Consumption	129 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 B	8

Temperature

Ambient temperature range	-25 to +25 °C

Controls and Dimming

Dimmable	Yes
Driver/power unit/transformer	Power supply unit with DynaDimmer
Control interface	-
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	879 mm
Overall width	424 mm
Overall height	217 mm
Effective projected area	0.14 m²
Dimensions (Height x Width x Depth)	217 x 424 x 879 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 II

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

Over Time Performance (IEC Compliant)

Driver failure rate at 5000 h	0.5 %

Application Conditions

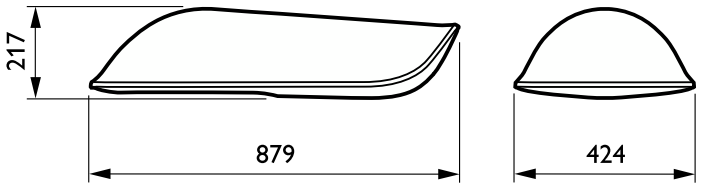
Maximum dim level	50%

Product Data

Order product name	BGP353 ECO156-3S/740 II DM AL GR LS-8 50
Full product name	BGP353 ECO156-3S/740 II DM AL GR LS-8 50
Full product code	871829197795700
Order code	910925439499
Material Nr. (12NC)	910925439499
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718291977957
Numerator - Packs per outer box	1
EAN/UPC - Case	8718291977957

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Dimensional drawing



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