



Iridium² LED Medium

BGP352 ECO57-3S/740 II DM AL GR LS-8 50%

Iridium² LED Medium, LED EconomyLine 5700 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

ECO57 [LED EconomyLine 5700 lm]
Yes
1 unit
Yes
-
*-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 [Iridium² LED Medium]
Lighting Technology	LED
Embedded control	LumiStep dimming 8 hours
CE mark	Yes
Warranty period	5 years
Flammability mark	-
ENEC mark	-

Datasheet, 2023, April 29 data subject to change

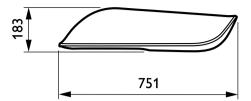
Iridium² LED Medium

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EU RoHS compliant	No
Light Tochnical	
Light Technical	0
Upward light output ratio	0 5.101 kg
Luminous Flux	5,101 lm
Standard tilt angle posttop	0°
Standard tilt angle side entry	0°
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	102 lm/W
Color rendering index (CRI)	70
Number of light sources	24
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	50 W
Power Factor (Fraction)	0.9
Connection	Plug-in connector 3-pole Wieland/Adels
	compatible
Cable	
N 1 5 1 1 1400 540 11	11
Number of products on MCB of 16 A type	"
B	··
В	-25 to +25 °C
Temperature	
Temperature	
Temperature Ambient temperature range	
Temperature Ambient temperature range Controls and Dimming	-25 to +25 °C
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Temperature Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer Control interface	-25 to +25 °C No Power supply unit with DynaDimmer -
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Temperature Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer Control interface Constant light output Mechanical and Housing Housing Material Reflector material Optic material	-25 to +25 °C No Power supply unit with DynaDimmer - No Aluminum die cast Acrylate Polycarbonate
Temperature Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer Control interface Constant light output Mechanical and Housing Housing Material Reflector material Optic material Optical cover material	-25 to +25 °C No Power supply unit with DynaDimmer - No Aluminum die cast Acrylate Polycarbonate Tempered glass
Temperature Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer Control interface Constant light output Mechanical and Housing Housing Material Reflector material Optic material Optical cover material Fixation material	-25 to +25 °C No Power supply unit with DynaDimmer - No Aluminum die cast Acrylate Polycarbonate Tempered glass Stainless steel

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 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)		
Over Time Performance (IEC Compli	ant)	
Over Time Performance (IEC Compli		
Control gear failure rate at median useful	7.5 %	
Control gear failure rate at median useful life 75000 h	7.5 %	
Control gear failure rate at median useful life 75000 h Lumen maintenance at median useful life	7.5 %	
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Iridium² LED Medium

Dimensional drawing







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