PHILIPS Lighting



Iridium² LED Medium

BGP352 ECO42-3S/740 II DM AL GR T25

Iridium² LED Medium, LED EconomyLine 4200 lm, 740 neutral white, Safety class II, Distribution medium, Grey

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	ECO42 [LED EconomyLine 4200 lm]
Light source replaceable	Yes
Number of gear units	Unit
Driver included	Yes
Photocell	-
Remarks	*- According to the Lighting Europe guidance
	paper 'Evaluating performance of LED based
	luminaires – January 2018': statistically there
	is no relevant difference in lumen
	maintenance between the B50 and, for
	example, the B10. Therefore, the median

	useful life (B50) value also represents the
	B10 value.
Light source engine type	LED
Product family code	BGP352 [Iridium ² LED Medium]
Lighting Technology	LED
Embedded control	-
CE mark	Yes
Warranty period	5 years
Flammability mark	-
ENEC mark	-
EU RoHS compliant	No

Iridium² LED Medium

Light Technical	
Upwards light output ratio	0
Luminous Flux	3,780 lm
Standard tilt angle post-top	O°
Standard tilt angle side entry	O°
Correlated Colour Temperature	4000 K
Luminous efficacy (rated) (nom.)	105 lm/W
Colour rendering index (CRI)	70
Light source colour	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	41 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	Aluminium die cast
Reflector material	Acrylate
Optic material	Polycarbonate
Optical cover/lens material	Tempered glass
Fixation material	Stainless steel

Grey

Universal for diameter 48 to 76 mm

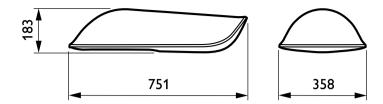
Optical cover/lens shape	Flat
Optical cover/lens finish	Clear
Overall length	751 mm
Overall width	358 mm
Overall height	183 mm
Effective projected area	0.08 m²
Dimensions (height x width x depth)	183 x 358 x 751 mm
Parts colour	All parts coloured
Approval and Application	
Ingress protection code	IP66 [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 Over Time Performance (IEC Complia	+/-2 ant)
Over Time Performance (IEC Complia Control gear failure rate at median useful life 50,000 h Lumen maintenance at median useful	ant)
Over Time Performance (IEC Complia Control gear failure rate at median useful life 50,000 h Lumen maintenance at median useful life* 75000 h Application Conditions	ant) 7.5 % L80
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Housing Colour

Mounting device

Iridium² LED Medium

Dimensional drawing





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