



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

# BGP352 ECO85-3S/740 DM AL GR P3-70 T15

Iridium² LED Medium, LED EconomyLine 8500 lm, 740 neutral white, Distribution medium, Grey, Minicell (hole 20 mm) preset for 70 lx

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	ECO85 [LED EconomyLine 8500 lm]	
Light source replaceable	Yes	
Number of gear units	1 unit	
Driver included	Yes	
Photocell	Minicell (hole 20 mm) preset for 70 lx	
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 [Iridium² LED Medium]
Lighting Technology	LED
Embedded control	-
CE mark	Yes
Warranty period	5 years
Flammability mark	-
ENEC mark	-

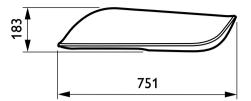
Datasheet, 2023, September 4 data subject to change

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EU RoHS compliant	No	Mounting device	Universal for diameter 48 to 76 mm
		Optical cover shape	Flat
Light Technical		Optical cover finish	Clear
Upward light output ratio	0	Overall length	751 mm
Luminous Flux	7,564 lm	Overall width	358 mm
Standard tilt angle posttop	0°	Overall height	183 mm
Standard tilt angle side entry	O°	Effective projected area	0.08 m²
Correlated Color Temperature (Nom)	4000 K	Dimensions (Height x Width x Depth)	183 x 358 x 751 mm
Luminous Efficacy (rated) (Nom)	97 lm/W	Parts color	All parts colored
Color rendering index (CRI)	70		
Number of light sources	36	Approval and Application	
Light source color	740 neutral white	Ingress protection code	IP66 [Dust penetration-protected, jet-proof]
Optical cover type	Flat glass	Mech. impact protection code	IK08 [5 J vandal-protected]
Luminaire light beam spread	150° x 62°	Surge Protection (Common/Differential)	Philips standard surge protection level
Optic type outdoor	Distribution medium	Protection class IEC	Safety class I
Operating and Electrical		Initial Performance (IEC Compliant)	
Input Voltage	220 to 240 V	Luminous flux tolerance	+/-7%
Line Frequency	50 to 60 Hz	Initial chromaticity	(0.380, 0.380) SDCM <5
Inrush current	46 A	Power consumption tolerance	+/-10%
Inrush time	0.25 ms	Init. Color Rendering Index Tolerance	+/-2
Power Consumption	72 W		
Power Factor (Fraction)	0.9	Over Time Performance (IEC Compl	liant)
Connection	Plug-in connector 3-pole Wieland/Adels	Control gear failure rate at median useful	1 7.5 %
	compatible	life 75000 h	
Cable	-	Lumen maintenance at median useful	L80
Number of products on MCB of 16 A type	11	life* 75000 h	
В			
		Application Conditions	
Temperature		Performance ambient temperature Tq	15 °C
Ambient temperature range	-25 to +25 °C		
		Product Data	
Controls and Dimming		Order product name	BGP352 ECO85-3S/740 DM AL GR P3-70 T15
Dimmable	No	Full product name	BGP352 EC085-3S/740 DM AL GR P3-70 T15
Driver/power unit/transformer	Power supply unit regulating	Full product code	871829142446800
Constant light output	No	Order code	910925439540
		Material Nr. (12NC)	910925439540
Mechanical and Housing		Numerator - Quantity Per Pack	1
Housing Material	Aluminum die cast	EAN/UPC - Product/Case	8718291424468
Reflector material	Acrylate	Numerator - Packs per outer box	1
Optic material	Polycarbonate	EAN/UPC - Case	8718291424468
Optical cover material		<del>-</del>	<u> </u>
	Tempered glass		
Fixation material	Stainless steel		
Fixation material Housing Color			

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

#### Dimensional drawing







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