



Iridium² LED Large

BGP353 ECO198-3S/740 PSR-CLO DM AL GR CL

Iridium² LED Large, LED EconomyLine 19800 lm, 740 neutral white, Power supply unit regulating with constant light output, 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	ECO198 [LED EconomyLine 19800 lm]
Light source replaceable	Yes
Number of gear units	2 units
Driver included	Yes
Photocell	-
Light source engine type	LED
Product family code	BGP353 [Iridium² LED Large]
Lighting Technology	LED
Embedded control	-
CE mark	Yes

Warranty period	5 years
Flammability mark	-
ENEC mark	-
EU RoHS compliant	No
Light Technical	
Upward light output ratio	0
Luminous Flux	17,779 lm
Standard tilt angle posttop	O°
Standard tilt angle side entry	O°
Correlated Color Temperature (Nom)	4000 K

Datasheet, 2023, September 4 data subject to change

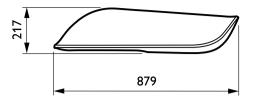
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Luminous Efficacy (rated) (Nom)	105 lm/W
Color rendering index (CRI)	70
Light source color	740 neutral white
Optical cover type	Flat glass
Luminaire light beam spread	150° x 62°
Optic type outdoor	Distribution medium
Operating and Electrical	
Input Voltage	220 to 240 V
Line Frequency	50 to 60 Hz
Initial CLO power consumption	130.13 W
Average CLO power consumption	149.565 W
End CLO power consumption	169 W
Inrush current	99 A
Inrush time	0.3 ms
Power Consumption	169 W
Power Factor (Fraction)	0.9
Connection	Plug-in connector 3-pole Wieland/Adels
	compatible
Cable	-
Number of products on MCB of 16 A ty	pe B 4
Temperature	
Ambient temperature range	-25 to +25 ℃
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
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 I
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 Compli	ant)
Driver failure rate at 5000 h	0.5 %
Product Data	
Order product name	BGP353 ECO198-3S/740 PSR-CLO DM AL
	GR CL
Full product name	BGP353 ECO198-3S/740 PSR-CLO DM AL
	GR CL
Full product code	871829197548900
Order code	910925439486
Material Nr. (12NC)	910925439486
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718291975489
Numerator - Packs per outer box	1
EAN/UPC - Case	8718291975489

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Dimensional drawing







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