



Iridium² LED Medium

BGP352 ECO70-3S/830 PSR-CLO DM AL GR CLO

Iridium² LED Medium, LED EconomyLine 7000 lm, 830 warm white, Power supply unit regulating with constant light output, Distribution medium, Grey, Constant light output

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	ECO70 [LED EconomyLine 7000 lm]
Light source replaceable	Yes
Number of gear units	1 unit
Driver included	Yes
Photocell	-
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
Service tag	Yes
Product family code	BGP352 [Iridium² LED Medium]
Lighting Technology	LED
Embedded control	Constant light output
CE mark	Yes
Warranty period	5 years
Flammability mark	-
ENEC mark	-

Datasheet, 2023, September 4 data subject to change

Iridium² LED Medium

EURoHS compliant Light Technical Upward light output ratio O Luminous Flux 4.839 Im Standard tilt angle posttop O° Standard tilt angle side entry Correlated Color Temperature (Nom) Stamber of light sources 32 Light source color 830 warm white Optical cover type Flat glass Luminaire light beam spread 150° x 62° Optic type outdoor Opticat per outdoor Opticat CLO power consumption Line Frequency Initial CLO power consumption End CLO power consumption Flat GLO power consumption Flat GLO power consumption 71 W Inrush current Inrush current Operation Optic Type Power Factor (Fraction) O 99 Connection Plug-in connector 3-pole Wieland/Adels compatible Cable Number of products on MCB of 16 A type B Temperature Ambient temperature range Power supply unit regulating with constant light output Constant light output Yes Mechanical and Housing Housing Material Acrylate Optic material Optic material Stainless steel		
Upward light output ratio 0 Luminous Flux 4,839 lm Standard tilt angle posttop 0° Standard tilt angle side entry 0° Correlated Color Temperature (Nom) 3000 K Luminous Efficacy (rated) (Nom) 77 lm/W Color rendering index (CRI) 80 Number of light sources 32 Light source color 830 warm 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 54.67 W Average CLO power consumption 71 W Inrush current 46 A Inrush time 0.25 ms Power Consumption 71 W Opwer Factor (Fraction) 0.9 Connection Plug-in connector 3-pole Wieland/Adels compatible Cable - Number of products on MCB of 16 A type 11 B Temperature Ambient temperature range -25 to +25 °C Controls and Dimming Dimmable No Driver/power unit/transformer Power supply unit regulating with constant light output Ves Mechanical and Housing Housing Material Aluminum die cast Reflector material Polycarbonate Optic material Polycarbonate Optic material Polycarbonate Optic material Tempered glass	EU RoHS compliant	No
Upward light output ratio 0 Luminous Flux 4,839 lm Standard tilt angle posttop 0° Standard tilt angle side entry 0° Correlated Color Temperature (Nom) 3000 K Luminous Efficacy (rated) (Nom) 77 lm/W Color rendering index (CRI) 80 Number of light sources 32 Light source color 830 warm 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 54.67 W Average CLO power consumption 71 W Inrush current 46 A Inrush time 0.25 ms Power Consumption 71 W Opwer Factor (Fraction) 0.9 Connection Plug-in connector 3-pole Wieland/Adels compatible Cable - Number of products on MCB of 16 A type 11 B Temperature Ambient temperature range -25 to +25 °C Controls and Dimming Dimmable No Driver/power unit/transformer Power supply unit regulating with constant light output Ves Mechanical and Housing Housing Material Aluminum die cast Reflector material Polycarbonate Optic material Polycarbonate Optic material Polycarbonate Optic material Tempered glass		
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Correlated Color Temperature (Nom) 3000 K Luminous Efficacy (rated) (Nom) 77 lm/W Color rendering index (CRI) 80 Number of light sources 32 Light source color 830 warm 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 54.67 W Average CLO power consumption 71 W Inrush current 46 A Inrush time 025 ms Power Consumption 71 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 II B Temperature Ambient temperature range -25 to +25 °C Controls and Dimming Dimmable No Driver/power unit/transformer Power supply unit regulating with constant light output Yes Mechanical and Housing Housing Material Aluminum die cast Reflector material Acrylate Optic material Polycarbonate Optical cover material Tempered glass	Standard tilt angle posttop	0°
Luminous Efficacy (rated) (Nom) 77 Im/W Color rendering index (CRI) 80 Number of light sources 32 Light source color 830 warm 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 54.67 W Average CLO power consumption 71 W Inrush current 46 A Inrush current 90.25 ms Power Consumption 71 W Power Factor (Fraction) 9.9 Connection Plug-in connector 3-pole Wieland/Adels compatible Cable - Number of products on MCB of 16 A type B B Temperature Ambient temperature range -25 to +25 °C Controls and Dimming Dimmable No Driver/power unit/transformer Power supply unit regulating with constant light output Yes Mechanical and Housing Housing Material Aluminum die cast Reflector material Acrylate Optic material Polycarbonate Optical cover material Tempered glass	Standard tilt angle side entry	0°
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Optical cover type 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 Average CLO power consumption 62.835 W End CLO power consumption 71 W Inrush current 46 A Inrush time 0.25 ms Power Consumption 71 W Power Factor (Fraction) O.9 Connection Plug-in connector 3-pole Wieland/Adels compatible Cable - Number of products on MCB of 16 A type B Temperature Ambient temperature range -25 to +25 °C 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 Reflector material Optic material Optic material Optical cover material Tempered glass	Number of light sources	32
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Optic type outdoor Operating and Electrical Input Voltage Line Frequency 50 to 60 Hz Initial CLO power consumption Average CLO power consumption 54.67 W Average CLO power consumption 71 W Inrush current 46 A Inrush time 0.25 ms Power Consumption 71 W Power Factor (Fraction) O.9 Connection Plug-in connector 3-pole Wieland/Adels compatible Cable - Number of products on MCB of 16 A type B Temperature Ambient temperature range -25 to +25 °C 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 Reflector material Optic material Optic material Optical cover material Tempered glass	Optical cover type	Flat glass
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Input Voltage 220 to 240 V Line Frequency 50 to 60 Hz Initial CLO power consumption 54.67 W Average CLO power consumption 71 W Inrush current 46 A Inrush time 0.25 ms Power Consumption 71 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 B Temperature Ambient temperature range -25 to +25 °C 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 Polycarbonate Optic material Polycarbonate Optical cover material Tempered glass	Optic type outdoor	Distribution medium
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Inrush current 46 A Inrush time 0.25 ms Power Consumption 71 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 B Temperature Ambient temperature range -25 to +25 °C 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	Average CLO power consumption	62.835 W
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Power Factor (Fraction) Connection Plug-in connector 3-pole Wieland/Adels compatible Cable - Number of products on MCB of 16 A type B Temperature Ambient temperature range -25 to +25 °C Controls and Dimming Dimmable No Driver/power unit/transformer Power supply unit regulating with constant light output Yes Mechanical and Housing Housing Material Aluminum die cast Reflector material Optic material Polycarbonate Optical cover material Tempered glass	Inrush time	0.25 ms
Connection Plug-in connector 3-pole Wieland/Adels compatible Cable - Number of products on MCB of 16 A type B Temperature Ambient temperature range -25 to +25 °C 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 Optic material Polycarbonate Optical cover material Tempered glass	Power Consumption	71 W
Cable - Number of products on MCB of 16 A type 11 B Temperature Ambient temperature range -25 to +25 °C 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	Power Factor (Fraction)	0.9
Cable - Number of products on MCB of 16 A type 11 B Temperature Ambient temperature range -25 to +25 °C 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	Connection	Plug-in connector 3-pole Wieland/Adels
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Ambient temperature range -25 to +25 °C Controls and Dimming Dimmable No Driver/power unit/transformer Power supply unit regulating with constant light output Yes Mechanical and Housing Housing Material Aluminum die cast Reflector material Optic material Polycarbonate Optical cover material Tempered glass	В	
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Housing Material Aluminum die cast Reflector material Acrylate Optic material Polycarbonate Optical cover material Tempered glass	Constant light output	162
Housing Material Aluminum die cast Reflector material Acrylate Optic material Polycarbonate Optical cover material Tempered glass	Mechanical and Housing	
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Optical cover material Tempered glass		
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	- industrial	3.tun 11633 31661

Housing Color	Grey
Mounting device	Universal for diameter 48 to 76 mm
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 I
Initial Performance (IEC Compliant)	
Luminous flux tolerance	+/-7%
Initial chromaticity	(0.430, 0.300) SDCM <5
Power consumption tolerance	+/-10%
Init. Color Rendering Index Tolerance	+/-2
Over Time Performance (IEC Compl	iant)
Control gear failure rate at median useful	7.5 %
life 75000 h	
Lumen maintenance at median useful	L80
life* 75000 h	
Aliai Cdiai	
Application Conditions	35.95
Performance ambient temperature Tq	25 ℃
Product Data	
Order product name	BGP352 ECO70-3S/830 PSR-CLO DM AL GR
order product name	CLO
Full product name	BGP352 ECO70-3S/830 PSR-CLO DM AL GR
. an product manne	CLO
Full product code	871829142480200
Order code	910925439559
Material Nr. (12NC)	910925439559
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718291424802
Numerator - Packs per outer box	1
EAN/UPC - Case	8718291424802

Iridium² LED Medium

Dimensional drawing





