



Iridium² LED Medium

BGP352 ECO71-3S/740 II DM AL GR LS-8 50%

Iridium² LED Medium, LED EconomyLine 7100 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

General Information	
Lamp family code	ECO71 [LED EconomyLine 7100 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
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

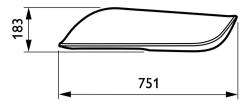
Iridium² LED Medium

EU RoHS compliant	No
	110
Light Technical	
Upward light output ratio	0
Luminous Flux	6,229 lm
Standard tilt angle posttop	0°
Standard tilt angle positop Standard tilt angle side entry	0°
	4000 K
Correlated Color Temperature (Nom)	
Luminous Efficacy (rated) (Nom)	102 lm/W 70
Color rendering index (CRI)	
Number of light sources	28
Light source color	740 neutral white
Optical cover type	Flat glass
Luminaire light beam spread	150° x 62°
Optic type outdoor	Distribution medium
On susting and Electrical	
Operating and Electrical	220 / 240 /
Input Voltage	220 to 240 V
Line Frequency	50 to 60 Hz
Inrush current	46 A
Inrush time	0.25 ms
Power Consumption	61 W
Power Consumption Power Factor (Fraction)	61 W 0.9
Power Factor (Fraction)	0.9
Power Factor (Fraction)	0.9 Plug-in connector 3-pole Wieland/Adels
Power Factor (Fraction) Connection Cable Number of products on MCB of 16 A type	0.9 Plug-in connector 3-pole Wieland/Adels
Power Factor (Fraction) Connection Cable	0.9 Plug-in connector 3-pole Wieland/Adels compatible
Power Factor (Fraction) Connection Cable Number of products on MCB of 16 A type B	0.9 Plug-in connector 3-pole Wieland/Adels compatible
Power Factor (Fraction) Connection Cable Number of products on MCB of 16 A type B Temperature	0.9 Plug-in connector 3-pole Wieland/Adels compatible - 11
Power Factor (Fraction) Connection Cable Number of products on MCB of 16 A type B	0.9 Plug-in connector 3-pole Wieland/Adels compatible
Power Factor (Fraction) Connection Cable Number of products on MCB of 16 A type B Temperature Ambient temperature range	0.9 Plug-in connector 3-pole Wieland/Adels compatible - 11
Power Factor (Fraction) Connection Cable Number of products on MCB of 16 A type B Temperature Ambient temperature range Controls and Dimming	0.9 Plug-in connector 3-pole Wieland/Adels compatible - 11 -25 to +25 °C
Power Factor (Fraction) Connection Cable Number of products on MCB of 16 A type B Temperature Ambient temperature range Controls and Dimming Dimmable	0.9 Plug-in connector 3-pole Wieland/Adels compatible - 11 -25 to +25 °C
Power Factor (Fraction) Connection Cable Number of products on MCB of 16 A type B Temperature Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer	0.9 Plug-in connector 3-pole Wieland/Adels compatible - 11 -25 to +25 °C
Power Factor (Fraction) Connection Cable Number of products on MCB of 16 A type B Temperature Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer Control interface	0.9 Plug-in connector 3-pole Wieland/Adels compatible - 11 -25 to +25 °C No Power supply unit with DynaDimmer -
Power Factor (Fraction) Connection Cable Number of products on MCB of 16 A type B Temperature Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer	0.9 Plug-in connector 3-pole Wieland/Adels compatible - 11 -25 to +25 °C
Power Factor (Fraction) Connection Cable Number of products on MCB of 16 A type B Temperature Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer Control interface Constant light output	0.9 Plug-in connector 3-pole Wieland/Adels compatible - 11 -25 to +25 °C No Power supply unit with DynaDimmer -
Power Factor (Fraction) Connection Cable Number of products on MCB of 16 A type B Temperature Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer Control interface Constant light output Mechanical and Housing	O.9 Plug-in connector 3-pole Wieland/Adels compatible - 11 -25 to +25 °C No Power supply unit with DynaDimmer - No
Power Factor (Fraction) Connection Cable Number of products on MCB of 16 A type B Temperature Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer Control interface Constant light output Mechanical and Housing Housing Material	O.9 Plug-in connector 3-pole Wieland/Adels compatible - 11 -25 to +25 °C No Power supply unit with DynaDimmer - No Aluminum die cast
Power Factor (Fraction) Connection Cable Number of products on MCB of 16 A type B Temperature Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer Control interface Constant light output Mechanical and Housing Housing Material Reflector material	O.9 Plug-in connector 3-pole Wieland/Adels compatible - 11 -25 to +25 °C No Power supply unit with DynaDimmer - No Aluminum die cast Acrylate
Power Factor (Fraction) Connection Cable Number of products on MCB of 16 A type B 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	O.9 Plug-in connector 3-pole Wieland/Adels compatible - 11 -25 to +25 °C No Power supply unit with DynaDimmer - No Aluminum die cast Acrylate Polycarbonate
Power Factor (Fraction) Connection Cable Number of products on MCB of 16 A type B Temperature Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer Control interface Constant light output Mechanical and Housing Housing Material Reflector material Optical cover material	O.9 Plug-in connector 3-pole Wieland/Adels compatible - 11 -25 to +25 °C No Power supply unit with DynaDimmer - No Aluminum die cast Acrylate Polycarbonate Tempered glass
Power Factor (Fraction) Connection Cable Number of products on MCB of 16 A type B Temperature Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer Control interface Constant light output Mechanical and Housing Housing Material Reflector material Optical cover material Fixation material	O.9 Plug-in connector 3-pole Wieland/Adels compatible - 11 -25 to +25 °C No Power supply unit with DynaDimmer - No Aluminum die cast Acrylate Polycarbonate Tempered glass Stainless steel
Power Factor (Fraction) Connection Cable Number of products on MCB of 16 A type B Temperature Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer Control interface Constant light output Mechanical and Housing Housing Material Reflector material Optical cover material	O.9 Plug-in connector 3-pole Wieland/Adels compatible - 11 -25 to +25 °C No Power supply unit with DynaDimmer - No Aluminum die cast Acrylate Polycarbonate Tempered glass

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 Compl	iant)
Over Time Performance (IEC Complete Control gear failure rate at median useful	•
• • •	•
Control gear failure rate at median useful	•
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	7.5 %
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Control gear failure rate at median useful life 75000 h Lumen maintenance at median useful life* 75000 h	7.5 %
Control gear failure rate at median useful life 75000 h Lumen maintenance at median useful life* 75000 h Application Conditions	7.5 % L80
Control gear failure rate at median useful life 75000 h Lumen maintenance at median useful life* 75000 h Application Conditions Performance ambient temperature Tq Maximum dim level	7.5 % L80 25 °C
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Control gear failure rate at median useful life 75000 h Lumen maintenance at median useful life* 75000 h Application Conditions Performance ambient temperature Tq Maximum dim level Product Data Order product name	7.5 % L80 25 °C 50% BGP352 ECO71-3S/740 II DM AL GR LS-8 50%
Control gear failure rate at median useful life 75000 h Lumen maintenance at median useful life* 75000 h Application Conditions Performance ambient temperature Tq Maximum dim level Product Data Order product name Full product name	7.5 % L80 25 °C 50% BGP352 ECO71-3S/740 II DM AL GR LS-8 50% BGP352 ECO71-3S/740 II DM AL GR LS-8 50% 871829197663900
Control gear failure rate at median useful life 75000 h Lumen maintenance at median useful life* 75000 h Application Conditions Performance ambient temperature Tq Maximum dim level Product Data Order product name Full product name	7.5 % L80 25 °C 50% BGP352 ECO71-3S/740 II DM AL GR LS-8 50% BGP352 ECO71-3S/740 II DM AL GR LS-8 50%
Control gear failure rate at median useful life 75000 h Lumen maintenance at median useful life* 75000 h Application Conditions Performance ambient temperature Tq Maximum dim level Product Data Order product name Full product name	7.5 % L80 25 °C 50% BGP352 ECO71-3S/740 II DM AL GR LS-8 50% BGP352 ECO71-3S/740 II DM AL GR LS-8 50% 871829197663900
Control gear failure rate at median useful life 75000 h Lumen maintenance at median useful life* 75000 h Application Conditions Performance ambient temperature Tq Maximum dim level Product Data Order product name Full product name Full product code Order code	7.5 % L80 25 °C 50% BGP352 ECO71-3S/740 II DM AL GR LS-8 50% BGP352 ECO71-3S/740 II DM AL GR LS-8 50% 871829197663900 97663900
Control gear failure rate at median useful life 75000 h Lumen maintenance at median useful life* 75000 h Application Conditions Performance ambient temperature Tq Maximum dim level Product Data Order product name Full product code Order code Material Nr. (12NC)	7.5 % L80 25 °C 50% BGP352 ECO71-3S/740 II DM AL GR LS-8 50% BGP352 ECO71-3S/740 II DM AL GR LS-8 50% 871829197663900 97663900 910925439598
Control gear failure rate at median useful life 75000 h Lumen maintenance at median useful life* 75000 h Application Conditions Performance ambient temperature Tq Maximum dim level Product Data Order product name Full product name Full product code Order code Material Nr. (12NC) Numerator - Quantity Per Pack	7.5 % L80 25 °C 50% BGP352 ECO71-3S/740 II DM AL GR LS-8 50% BGP352 ECO71-3S/740 II DM AL GR LS-8 50% 871829197663900 97663900 910925439598 1
Control gear failure rate at median useful life 75000 h Lumen maintenance at median useful life* 75000 h Application Conditions Performance ambient temperature Tq Maximum dim level Product Data Order product name Full product name Full product code Order code Material Nr. (12NC) Numerator - Quantity Per Pack EAN/UPC - Product/Case	7.5 % L80 25 °C 50% BGP352 ECO71-3S/740 II DM AL GR LS-8 50% BGP352 ECO71-3S/740 II DM AL GR LS-8 50% 871829197663900 910925439598 1 8718291976639

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Dimensional drawing







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