



Iridium² LED Medium

BGP352 ECO99-3S/740 II DM AL GR LS-8 50%

Iridium² LED Medium, LED EconomyLine 9900 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 | ECO99 [LED EconomyLine 9900 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

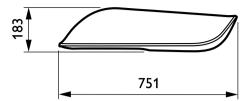
Iridium² LED Medium

| EU RoHS compliant | No |
|--|---|
| | |
| Light Technical | |
| Upward light output ratio | 0 |
| Luminous Flux | 8,559 lm |
| Standard tilt angle posttop | 0° |
| Standard tilt angle side entry | 0° |
| Correlated Color Temperature (Nom) | 4000 K |
| Luminous Efficacy (rated) (Nom) | 101 lm/W |
| Color rendering index (CRI) | 70 |
| Number of light sources | 40 |
| 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 |
| Inrush current | 53 A |
| Inrush time | 0.3 ms |
| Power Consumption | 85 W |
| Power Factor (Fraction) | 0.9 |
| Connection | Plug-in connector 3-pole Wieland/Adels |
| | compatible |
| | |
| Cable | - |
| Cable Number of products on MCB of 16 A type | 8 |
| | 8 |
| Number of products on MCB of 16 A type | 8 |
| Number of products on MCB of 16 A type | 8 |
| Number of products on MCB of 16 A type B | -25 to +25 °C |
| Number of products on MCB of 16 A type B Temperature | |
| Number of products on MCB of 16 A type B Temperature | |
| Number of products on MCB of 16 A type B Temperature Ambient temperature range | |
| Number of products on MCB of 16 A type B Temperature Ambient temperature range Controls and Dimming | −25 to +25 °C |
| Number of products on MCB of 16 A type B Temperature Ambient temperature range Controls and Dimming Dimmable | -25 to +25 °C No |
| Number of products on MCB of 16 A type B Temperature Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer | -25 to +25 °C No |
| Number of products on MCB of 16 A type B Temperature Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer Control interface | -25 to +25 °C No Power supply unit with DynaDimmer - |
| Number of products on MCB of 16 A type B Temperature Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer Control interface | -25 to +25 °C No Power supply unit with DynaDimmer - |
| 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 | -25 to +25 °C No Power supply unit with DynaDimmer - |
| 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 | -25 to +25 °C No Power supply unit with DynaDimmer - No |
| 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 | -25 to +25 °C No Power supply unit with DynaDimmer - No Aluminum die cast |
| 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 | -25 to +25 °C No Power supply unit with DynaDimmer - No Aluminum die cast Acrylate |
| 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 | -25 to +25 °C No Power supply unit with DynaDimmer - No Aluminum die cast Acrylate Polycarbonate |
| 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 Optical cover material | -25 to +25 °C No Power supply unit with DynaDimmer - No Aluminum die cast Acrylate Polycarbonate Tempered glass |
| 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 Optical cover material Fixation material | -25 to +25 °C No Power supply unit with DynaDimmer - No Aluminum die cast Acrylate Polycarbonate Tempered glass Stainless steel |

| 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 Compli | ant) | |
| Over Time Performance (IEC Compli Control gear failure rate at median useful | | |
| | | |
| Control gear failure rate at median useful | 7.5 % | |
| 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 life | 7.5 % | |
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| Control gear failure rate at median useful life 75000 h Lumen maintenance at median useful life 75000 h Application Conditions | 7.5 % | |
| 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 ECO99-3S/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 | 7.5 % L80 25 °C 50% BGP352 ECO99-3S/740 II DM AL GR LS-8 50% BGP352 ECO99-3S/740 II DM AL GR LS-8 | |
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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 Full product name Full product code Order code Material Nr. (12NC) | 7.5 % L80 25 °C 50% BGP352 ECO99-3S/740 II DM AL GR LS-8 50% BGP352 ECO99-3S/740 II DM AL GR LS-8 50% 871829197667700 97667700 910925439603 | |
| 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 ECO99-3S/740 II DM AL GR LS-8 50% BGP352 ECO99-3S/740 II DM AL GR LS-8 50% 871829197667700 97667700 910925439603 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 ECO99-3S/740 II DM AL GR LS-8 50% BGP352 ECO99-3S/740 II DM AL GR LS-8 50% 871829197667700 910925439603 1 8718291976677 | |
| 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 Numerator - Packs per outer box | 7.5 % L80 25 °C 50% BGP352 ECO99-3S/740 II DM AL GR LS-8 50% BGP352 ECO99-3S/740 II DM AL GR LS-8 50% 871829197667700 910925439603 1 8718291976677 1 | |
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Dimensional drawing







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