



Iridium² LED Large

BGP353 ECO142-3S/740 PSR-CLO DM AL GR CL

Iridium² LED Large, LED EconomyLine 14200 lm, 740 neutral 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 | | Light Technical | |
|--------------------------|---|------------------------------------|-----------|
| Lamp family code | ECO142 [LED EconomyLine 14200 lm] | Warranty period | 5 years |
| Light source replaceable | Yes | Flammability mark | - |
| Number of gear units | 1 unit | ENEC mark | - |
| Driver included | Yes | EU RoHS compliant | No |
| Photocell | - | | |
| Light source engine type | LED | Upward light output ratio | 0 |
| Product family code | BGP353 [Iridium ² LED Large] | Luminous Flux | 10,045 lm |
| Lighting Technology | LED | Standard tilt angle posttop | 0° |
| Embedded control | Constant light output | Standard tilt angle side entry | 0° |
| CE mark | Yes | Correlated Color Temperature (Nom) | 4000 K |

Iridium² LED Large

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|---------------------------------|---------------------|
| Luminous Efficacy (rated) (Nom) | 95 lm/W |
| Color rendering index (CRI) | 70 |
| Number of light sources | 56 |
| 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

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|--|---|
| Input Voltage | 220 to 240 V |
| Line Frequency | 50 to 60 Hz |
| Initial CLO power consumption | 91.63 W |
| Average CLO power consumption | 105.315 W |
| End CLO power consumption | 119 W |
| Inrush current | 53 A |
| Inrush time | 0.3 ms |
| Power Consumption | 119 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 8 | |

Temperature

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|---------------------------|---------------|
| Ambient temperature range | -25 to +25 °C |
|---------------------------|---------------|

Controls and Dimming

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|-------------------------------|---|
| Dimmable | No |
| Driver/power unit/transformer | Power supply unit regulating with constant light output |
| Constant light output | Yes |

Mechanical and Housing

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|------------------------|-------------------|
| 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 m ² |
| Dimensions (Height x Width x Depth) | 217 x 424 x 879 mm |
| Parts color | All parts colored |

Approval and Application

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| 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)

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|---------------------------------------|------------------------|
| 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)

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|-------------------------------|-------|
| Driver failure rate at 5000 h | 0.5 % |
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Product Data

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|---------------------------------|--|
| Order product name | BGP353 ECO142-3S/740 PSR-CLO DM AL GR CL |
| Full product name | BGP353 ECO142-3S/740 PSR-CLO DM AL GR CL |
| Full product code | 871829197545800 |
| Order code | 910925439483 |
| Material Nr. (12NC) | 910925439483 |
| Numerator - Quantity Per Pack | 1 |
| EAN/UPC - Product/Case | 8718291975458 |
| Numerator - Packs per outer box | 1 |
| EAN/UPC - Case | 8718291975458 |

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Dimensional drawing

