PHILIPS Lighting



Iridium² LED Large

BGP353 GRN88-3S/740 PSR-CLO II DC AL GR%

Iridium² LED Large, LED GreenLine 8800 lm, 740 neutral white, Power supply unit regulating with constant light output, Safety class II, Distribution comfort, 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 | GRN88 [LED GreenLine 8800 lm] |
| Light source replaceable | Yes |
| Number of gear units | 1 unit |
| Driver included | Yes |
| Photocell | - |
| Light source engine type | LED |
| Product family code | BGP353 [Iridium ² 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 | 8,245 lm |
| Standard tilt angle posttop | 0° |
| Standard tilt angle side entry | 0° |
| Correlated Color Temperature (Nom) | 4000 K |
| | |

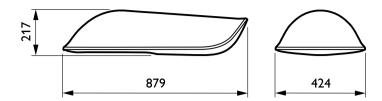
Iridium² LED Large

| Luminous Efficacy (rated) (Nom) | 123 lm/W |
|--------------------------------------|--|
| Color rendering index (CRI) | 70 |
| Light source color | 740 neutral white |
| Optical cover type | Flat glass |
| Luminaire light beam spread | 140° x 70° |
| Optic type outdoor | Distribution comfort |
| | |
| Operating and Electrical | |
| Input Voltage | 220 to 240 V |
| Line Frequency | 50 to 60 Hz |
| Initial CLO power consumption | 52.26 W |
| Average CLO power consumption | 59.63 W |
| End CLO power consumption | 67 W |
| Inrush current | 53 A |
| Inrush time | 0.3 ms |
| Power Consumption | 67 W |
| Power Factor (Fraction) | 0.9 |
| Connection | Plug-in connector 3-pole Wieland/Adels |
| | compatible |
| Cable | Cable 11 m without plug |
| Number of products on MCB of 16 A ty | /pe B 8 |
| | |
| 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 |
| 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 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 Compli | ant) |
| Driver failure rate at 5000 h | 0.5 % |
| | |
| Product Data | |
| Order product name | BGP353 GRN88-3S/740 PSR-CLO II DC AL |
| | GR% |
| Full product name | BGP353 GRN88-3S/740 PSR-CLO II DC AL |
| | GR% |
| Full product code | 871829197554000 |
| Order code | 97554000 |
| Material Nr. (12NC) | 910925439489 |
| Numerator - Quantity Per Pack | 1 |
| EAN/UPC - Product/Case | 8718291975540 |
| | |
| Numerator - Packs per outer box | 1 |

Iridium² LED Large

Dimensional drawing





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