PHILIPS Lighting



Iridium² LED Medium

BGP352 ECO85-3S/740 PSR-CLO DM AL GR CLO

Iridium² LED Medium, LED EconomyLine 8500 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 | |
|--------------------------|---|
| Lamp family code | ECO85 [LED EconomyLine 8500 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 [Iridium ² LED Medium] |
| Lighting Technology | LED |
| Embedded control | Constant light output |
| CE mark | Yes |
| Warranty period | 5 years |
| Flammability mark | - |
| ENEC mark | - |
| | |

Iridium² LED Medium

| EU RoHS compliant | No |
|------------------------------------|---------------------|
| | |
| | |
| Light Technical | |
| Upward light output ratio | 0 |
| Luminous Flux | 8,004 lm |
| Standard tilt angle posttop | 0° |
| Standard tilt angle side entry | 0° |
| Correlated Color Temperature (Nom) | 4000 K |
| Luminous Efficacy (rated) (Nom) | 111 lm/W |
| Color rendering index (CRI) | 70 |
| Number of light sources | 36 |
| 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 |
| Initial CLO power consumption | 55.44 W |
| Average CLO power consumption | 63.72 W |
| End CLO power consumption | 72 W |
| Inrush current | 46 A |
| Inrush time | 0.25 ms |
| Power Consumption | 72 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 |

Number of products on MCB of 16 A type 11

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Temperature

Ambient temperature range

| 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 |

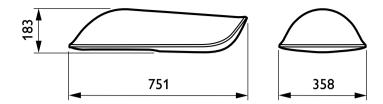
-25 to +25 °C

| 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 |
| Annual and Annult of | |
| 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 | (0.380, 0.380) SDCM <5 |
| Power consumption tolerance | +/-10% |
| Init. Color Rendering Index Tolerance | +/-2 |
| | |
| Over Time Performance (IEC Compli | ant) |
| Control gear failure rate at median useful | 7.5 % |
| | |
| life 75000 h | |
| Lumen maintenance at median useful | L80 |
| | L80 |
| Lumen maintenance at median useful | L80 |
| Lumen maintenance at median useful life* 75000 h | L80 25 °C |
| Lumen maintenance at median useful life* 75000 h Application Conditions | |
| Lumen maintenance at median useful life* 75000 h Application Conditions | |
| Lumen maintenance at median useful life* 75000 h Application Conditions Performance ambient temperature Tq | |

| Order product name | BGP352 ECO85-3S/740 PSR-CLO DM AL |
|---------------------------------|-------------------------------------|
| | CLO |
| Full product name | BGP352 ECO85-3S/740 PSR-CLO DM AL (|
| | CLO |
| Full product code | 871829142488800 |
| Order code | 910925439566 |
| Material Nr. (12NC) | 910925439566 |
| Numerator - Quantity Per Pack | 1 |
| EAN/UPC - Product/Case | 8718291424888 |
| Numerator - Packs per outer box | 1 |
| EAN/UPC - Case | 8718291424888 |

Iridium² LED Medium

Dimensional drawing





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