



Iridium² LED Medium

BGP352 ECO99-3S/740 II DM AL GR T25

Iridium² LED Medium, LED EconomyLine 9900 lm, 740 neutral white, Safety class II, Distribution medium, 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 | ECO99 [LED EconomyLine 9900 lm] | Light source engine type | LED |
| Light source replaceable | Yes | Product family code | BGP352 [Iridium² LED Medium] |
| Number of gear units | 1 unit | Lighting Technology | LED |
| Driver included | Yes | Embedded control | - |
| Photocell | - | CE mark | Yes |
| 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. | Warranty period | 5 years |
| | | Flammability mark | - |
| | | ENEC mark | - |
| | | EU RoHS compliant | No |
| Light Technical | | | |
| | | Upward light output ratio | 0 |

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| | |
|------------------------------------|---------------------|
| 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

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|--|---|
| 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 | - |
| 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 |
| Constant light output | No |

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 | 751 mm |
| Overall width | 358 mm |
| Overall height | 183 mm |
| Effective projected area | 0.08 m ² |
| Dimensions (Height x Width x Depth) | 183 x 358 x 751 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 II |

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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|---|-------|
| Control gear failure rate at median useful life 75000 h | 7.5 % |
| Lumen maintenance at median useful life* 75000 h | L80 |

Application Conditions

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|------------------------------------|-------|
| Performance ambient temperature Tq | 25 °C |
|------------------------------------|-------|

Product Data

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|---------------------------------|-------------------------------------|
| Order product name | BGP352 ECO99-3S/740 II DM AL GR T25 |
| Full product name | BGP352 ECO99-3S/740 II DM AL GR T25 |
| Full product code | 871829197666000 |
| Order code | 97666000 |
| Material Nr. (12NC) | 910925439602 |
| Numerator - Quantity Per Pack | 1 |
| EAN/UPC - Product/Case | 8718291976660 |
| Numerator - Packs per outer box | 1 |
| EAN/UPC - Case | 8718291976660 |

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Dimensional drawing

