



# Iridium² LED Medium

## BGP352 ECO113-3S/740 II DM AL GR T25

Iridium² LED Medium, LED EconomyLine 11300 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         | ECO113 [LED EconomyLine 11300 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<br>"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                            |

## Iridium<sup>2</sup> LED Medium

|                                    |                     |
|------------------------------------|---------------------|
| Luminous Flux                      | 9,612 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            | 48                  |
| 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                        | 95 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

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

### Controls and Dimming

|                               |                              |
|-------------------------------|------------------------------|
| 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 <sup>2</sup> |
| 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)

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

### Application Conditions

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

### Product Data

|                                 |                                      |
|---------------------------------|--------------------------------------|
| Order product name              | BGP352 ECO113-3S/740 II DM AL GR T25 |
| Full product name               | BGP352 ECO113-3S/740 II DM AL GR T25 |
| Full product code               | 871829197668400                      |
| Order code                      | 97668400                             |
| Material Nr. (12NC)             | 910925439604                         |
| Numerator - Quantity Per Pack   | 1                                    |
| EAN/UPC - Product/Case          | 8718291976684                        |
| Numerator - Packs per outer box | 1                                    |
| EAN/UPC - Case                  | 8718291976684                        |

Iridium<sup>2</sup> LED Medium

Dimensional drawing

