

# Iridium² LED Large

## BGP353 ECO142-3S/740 II DM AL GR T25

Iridium² LED Large, LED EconomyLine 14200 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** | ECO142 [LED EconomyLine 14200 lm] |
| **Light source replaceable** | Yes |
| **Number of gear units** | 1 unit |
| **Driver included** | Yes |
| **Photocell** | - |
| **Light source engine type** | LED |
| **Product family code** | BGP353 [Iridium² 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** | 12,297 lm |
| **Standard tilt angle posttop** | 0° |
| **Standard tilt angle side entry** | 0° |
| **Correlated Color Temperature (Nom)** | 4000 K |
| **Luminous Efficacy (rated) (Nom)** | 103 lm/W |
| **Color rendering index (CRI)** | 70 |

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| | |
|---|---|
| **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

| | |
|---|---|
| **Input Voltage** | 220 to 240 V |
| **Line Frequency** | 50 to 60 Hz |
| **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

| | |
|---|---|
| **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** | 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 |

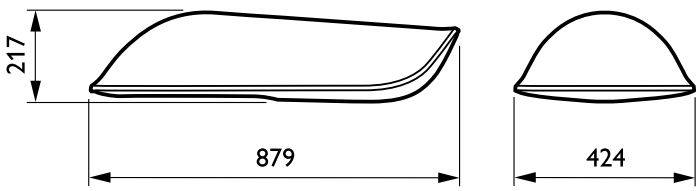
## Over Time Performance (IEC Compliant)

| | |
|---|---|
| **Driver failure rate at 5000 h** | 0.5 % |

## Product Data

| | |
|---|---|
| **Order product name** | BGP353 ECO142-3S/740 II DM AL GR T25 |
| **Full product name** | BGP353 ECO142-3S/740 II DM AL GR T25 |
| **Full product code** | 871829197792600 |
| **Order code** | 97792600 |
| **Material Nr. (12NC)** | 910925439496 |
| **Numerator - Quantity Per Pack** | 1 |
| **EAN/UPC - Product/Case** | 8718291977926 |
| **Numerator - Packs per outer box** | 1 |
| **EAN/UPC - Case** | 8718291977926 |

## Dimensional drawing



# Iridium² LED Large

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2023, April 29 - data subject to change