# MileWide LED gen2 small

## BRP435 GRN35-/740 II DM GR C6K T25

MileWide 2 side entry, LED GreenLine 3500 lm, Distribution medium

Philips MileWide LED Gen2, developed together with Holscher Design, is the latest generation of our highly popular MileWide lighting family that features a range of dedicated masts and brackets. The pure, clean design of MileWide LED Gen2 integrates perfectly with the cityscapes of today and tomorrow. Available in two sizes, BPP435 (small) and BPP436 (large), this MileWide pole light will bring a touch of elegance and fluidity to any urban application (side entry versions: BRP435 and BRP436). Thanks to its advanced LED engine, and use of application-tailored optics, MileWide LED Gen2 delivers outstanding quality of light and light performance, enabling significant energy savings, yet still providing perfectly uniform light on the road. The luminaire is available with one or two Zhaga-D4i (ZD4i) System Ready (SR) sockets, which makes the luminaire future ready. This means MileWide LED Gen2 is ready to pair with advanced controls and lighting software applications such as Interact, or sensors such as the Philips Outdoor Sensor Bundle (OSB). Furthermore, each MileWide LED Gen2 luminaire is uniquely identifiable, thanks to the Signify Service tag app. By simply scanning a QR code, placed inside the door of the mast or directly on the luminaire, you can instantly access the configuration of the luminaire. This makes maintenance and programing operations faster and easier, and enables you to create a digital library of lighting assets and spare parts.

## Product data

| General Information | | Number of gear units | 1 unit |
|---|---|---|---|
| Lamp family code | GRN35 [LED GreenLine 3500 lm] | Driver included | Yes |
| Light source replaceable | No | | |

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| | |
|---|---|
| **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** | BRP435 [MileWide 2 side entry] |
| **Lighting Technology** | LED |
| **Value ladder** | Performance |
| **CE mark** | Yes |
| **Warranty period** | 5 years |
| **Flammability mark** | – |
| **ENEC mark** | ENEC mark |
| **EU RoHS compliant** | Yes |

## Light Technical

| | |
|---|---|
| **Upward light output ratio** | 0 |
| **Luminous Flux** | 3,016 lm |
| **Standard tilt angle posttop** | 0° |
| **Standard tilt angle side entry** | 0° |
| **Correlated Color Temperature (Nom)** | 4000 K |
| **Luminous Efficacy (rated) (Nom)** | 118 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** | 180° |
| **Optic type outdoor** | Distribution medium |

## Operating and Electrical

| | |
|---|---|
| **Input Voltage** | 220 to 240 V |
| **Line Frequency** | 50 to 60 Hz |
| **Inrush current** | 22 A |
| **Inrush time** | 0.29 ms |
| **Power Consumption** | 25.5 W |
| **Power Factor (Fraction)** | 0.8 |
| **Connection** | – |
| **Cable** | Cable 6.0 m without plug |
| **Number of products on MCB of 16 A type B** | 5 |

## Temperature

| | |
|---|---|
| **Ambient temperature range** | –40 to +50 °C |

## Controls and Dimming

| | |
|---|---|
| **Dimmable** | No |
| **Driver/power unit/transformer** | Power supply unit (On/Off) |
| **Control interface** | – |
| **Constant light output** | No |

## Mechanical and Housing

| | |
|---|---|
| **Housing Material** | Aluminum |
| **Reflector material** | – |
| **Optic material** | Polymethyl methacrylate |
| **Optical cover material** | Glass |
| **Fixation material** | Aluminum |
| **Housing Color** | Grey |
| **Mounting device** | Side-entry for diameter 40 to 48 mm |
| **Optical cover shape** | Convex lens |
| **Optical cover finish** | Silkscreen print black |
| **Overall length** | 610 mm |
| **Overall width** | 276 mm |
| **Overall height** | 108 mm |
| **Effective projected area** | 0.035 m² |
| **Dimensions (Height x Width x Depth)** | 108 x 276 x 610 mm |

## 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)** | Luminaire surge protection level until 6 kV differential mode and 8 kV common mode |
| **Protection class IEC** | Safety class II |

## Initial Performance (IEC Compliant)

| | |
|---|---|
| **Luminous flux tolerance** | +/-10% |
| **Initial chromaticity** | (0.38, 0.37) SDCM <3 |
| **Power consumption tolerance** | +/-10% |
| **Init. Color Rendering Index Tolerance** | +/-2 |

## Over Time Performance (IEC Compliant)

| | |
|---|---|
| **Control gear failure rate at median useful life 100000 h** | 10 % |
| **Lumen maintenance at median useful life* 100000 h** | L80 |

## Application Conditions

| | |
|---|---|
| **Performance ambient temperature Tq** | 25 °C |
| **Maximum dim level** | Not applicable |

## Product Data

| | |
|---|---|
| **Order product name** | BRP435 GRN35-/740 II DM GR C6K T25 |
| **Full product name** | BRP435 GRN35-/740 II DM GR C6K T25 |
| **Full product code** | 871869610706500 |
| **Order code** | 910505016062 |
| **Material Nr. (12NC)** | 910505016062 |
| **Numerator – Quantity Per Pack** | 1 |
| **EAN/UPC – Product/Case** | 8718696107065 |
| **Numerator – Packs per outer box** | 1 |
| **EAN/UPC – Case** | 8718696107065 |

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**Dimensional drawing**

Ø 48

100

110

610

276

www.lighting.philips.com

2023, December 5 – data subject to change