



StreetStar BRP215

BRP215 LED24/NW 18W 220-240V DW3 MP1

StreetStar BRP215, 2400 lm, 18 W, 33 neutral white, Distribution wide version 3, Safety class I, Wall-mounting bracket

The Philips StreetStar LED luminaire brings outstanding light quality, visual comfort and safety to local road and residential lighting projects. An optimized and reliable solution that helps maximize operations and maintenance savings, this luminaire is the perfect combination of performance, features and lasting value. StreetStar offers a perfect fit for one-to-one retrofit projects. It provides crisp, brilliant light that surpasses existing HID and fluorescent luminaire performance while offering a long lifespan. Backed by the Philips reliability promise, StreetStar ensures mechanical strength and excellent thermal performance, providing continuous operation and unparalleled safety and protection. StreetStar is the perfect cost-effective solution for any city, municipality or utility lighting project that requires optimum quality, performance, and low maintenance.

Product data

| General Information | | | |
|--------------------------|---|--|----------|
| Lamp family code | LED24 [LED Module 2400 lm] | useful life (B50) value also represents the B10 value. | |
| Light source replaceable | No | Light source engine type | LED |
| Number of gear units | Unit | CE mark | CE mark |
| Gear | EB [Electronic] | Warranty period | 3 years |
| Driver included | Yes | Flammability mark | - |
| Remarks | *- According to the Lighting Europe guidance paper 'Evaluating performance of LED based luminaires – January 2018': statistically there is no relevant difference in lumen maintenance between the B50 and, for example, the B10. Therefore, the median | ENEC mark | - |
| | | EU RoHS compliant | Yes |
| | | Light Technical | |
| | | Upwards light output ratio | 0.2 |
| | | Luminous Flux | 2,400 lm |

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|----------------------------------|-----------------------------|
| Standard tilt angle post-top | 0° |
| Standard tilt angle side entry | - |
| Correlated Colour Temperature | 4000 K |
| Luminous efficacy (rated) (nom.) | 133 lm/W |
| Colour rendering index (CRI) | 80 |
| Light source colour | 33 neutral white |
| Optical cover type | Acrylate micro-lens optic |
| Luminaire light beam spread | - |
| Optic type outdoor | Distribution wide version 3 |

Operating and Electrical

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|--|----------------------------------|
| Input Voltage | 220 to 240 V |
| Line Frequency | 50 to 60 Hz |
| Average CLO power consumption | 18 W |
| Inrush current | 4.2 A |
| Inrush time | 0.07 ms |
| Power Consumption | 18 W |
| Power Factor (Fraction) | 0.95 |
| Connection | External connector |
| Cable | Cable 0.5 m with cable connector |
| Number of products on MCB of 16 A type B | 40 |

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 | Aluminium die cast |
| Reflector material | - |
| Optic material | Acrylate |
| Optical cover/lens material | Polycarbonate |
| Fixation material | Aluminium |
| Housing Colour | Aluminium and grey |
| Mounting device | Wall-mounting bracket |
| Optical cover/lens shape | Flat |

| | |
|-------------------------------------|-------------------|
| Optical cover/lens finish | Clear |
| Overall length | 350 mm |
| Overall width | 159 mm |
| Overall height | 57 mm |
| Effective projected area | 0.055 m² |
| Dimensions (height x width x depth) | 57 x 159 x 350 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 up to 10 kV differential mode and 10 kV common mode |
| Protection class IEC | Safety class I |

Initial Performance (IEC Compliant)

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|-----------------------------|------------------------|
| Luminous flux tolerance | +/-10% |
| Initial chromaticity | (0.374, 0.369) SDCM <3 |
| Power consumption tolerance | +/-10% |

Over Time Performance (IEC Compliant)

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|--|-----|
| Control gear failure rate at median useful life 50,000 h | 5 % |
| Lumen maintenance at median useful life* 50,000 h | L80 |

Application Conditions

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

Product Data

| | |
|-----------------------------------|--------------------------------------|
| Order product name | BRP215 LED24/NW 18W 220-240V DW3 MP1 |
| Full product name | BRP215 LED24/NW 18W 220-240V DW3 MP1 |
| Full EOC | 871016331099200 |
| Order code | 31099200 |
| Material no. (12 NC) | 911401663303 |
| SAP numerator – quantity per pack | 1 |
| EAN/UPC – Product/Case | 8710163310992 |
| Numerator – packs per outer box | 1 |
| EAN/UPC – Case | 8710163310992 |

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Dimensional drawing

