



UrbanStar

BDS100 LED22/740 I DM50 DGR CLO C5K

UrbanStar, Urban road & street light, 13.8 W, 1848 lm, 4000 K, CRI70, Distribution medium 50, Safety class I, IP66, SRG6-6

In residential areas, the familiar conical luminaires equipped with PL-L or HPL lamps can now be replaced by a charming design luminaire incorporating leading-edge LED technology – without losing any of the visual balance and ambiance provided by the former solution. UrbanStar delivers outstanding levels of lighting and energy performance thanks to its optimized LED engine and its application tailored optics. It has been specially designed for residential applications, and its translucent cone delivers very comfortable light.

Product data

| General Information | |
|--------------------------|--|
| Lamp family code | LED22 [LED module 2200 lm] |
| Light source replaceable | Yes |
| Number of gear units | 1 unit |
| Driver included | Yes |
| Light source engine type | LED |
| Service tag | Yes |
| Lighting Technology | LED |
| Value ladder | Performance |
| Serviceability class | Class A, luminaire is equipped with serviceable parts (when applicable): LED board, driver, control units, surge protection device, optics, front cover and mechanical parts |
| Warranty period | 5 years |
| Sustainability rating | Signify Circle |

| Light Technical | |
|------------------------------------|------------------------|
| Upward light output ratio | 0.03 |
| Luminous Flux | 1,848 lm |
| Correlated Color Temperature (Nom) | 4000 K |
| Luminous Efficacy (rated) (Nom) | 134 lm/W |
| Color rendering index (CRI) | 70 |
| Light source color | 740 neutral white |
| Luminaire light beam spread | 30° - 5° x 153° |
| Optic type outdoor | Distribution medium 50 |
| Effective projected area | 0.155 m ² |
| Operating and Electrical | |
| Input Voltage | 220 to 240 V |
| Line Frequency | 50 to 60 Hz |
| Initial CLO power consumption | 13.8 W |
| Average CLO power consumption | 13.8 W |

| | |
|--|--|
| End CLO power consumption | 14 W |
| Inrush current | 15 A |
| Inrush time | 0.295 ms |
| Power Consumption | 13.8 W |
| Power Factor (Fraction) | 0.98 |
| Connection | Plug-in connector 2-pole Wieland/Adels compatible |
| Cable | Cable 5.0 m without plug |
| Number of products on MCB of 16 A type B | 26 |
| Protection class IEC | Safety class I |
| Surge Protection (Common/Differential) | Surge protection level until 6 kV differential mode and 6 kV common mode |

Controls and Dimming

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|-------------------------------|----------------------------|
| Dimmable | No |
| Driver/power unit/transformer | Power supply unit (On/Off) |
| Constant light output | Yes |
| Embedded control | Constant light output |

Mechanical and Housing

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|-------------------------------------|--|
| Housing Material | Polycarbonate |
| Reflector material | Glass |
| Optic material | Polycarbonate |
| Optical cover material | Polycarbonate |
| Fixation material | Aluminum |
| Housing Color | Gray |
| Mounting device | Pole-mounting bracket diameter 76 mm |
| Optical cover shape | Conical |
| Optical cover finish | Frosted |
| Overall length | 403 mm |
| Overall width | 350 mm |
| Overall height | 914 mm |
| Overall diameter | 76 mm |
| Dimensions (Height x Width x Depth) | 914 x 350 x 403 mm |
| Ingress protection code | IP66 [Dust penetration-protected, jet-proof] |
| Mech. impact protection code | IK06 [1 J] |
| Standard tilt angle posttop | 0° |
| Standard tilt angle side entry | - |
| Optical cover type | Polycarbonate bowl/cover |
| Net Weight (Piece) | 8.420 kg |

Approval and Application

| | |
|-------------------|---|
| Flammability mark | - |
|-------------------|---|

| | |
|------------------------------------|---|
| CE mark | Yes |
| ENEC mark | ENEC mark |
| EU RoHS compliant | Yes |
| Performance ambient temperature Tq | 25 °C |
| 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. * At extreme ambient temperatures the luminaire might automatically dim down to protect components |
| Ambient temperature range | -40 to +50 °C |

Initial Performance (IEC Compliant)

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|--|------------------------|
| Luminous flux tolerance | +/-7% |
| Initial chromaticity | (0.380, 0.390) SDCM <5 |
| Power consumption tolerance | +/-7% |
| Init. Color Rendering Index Tolerance | +/-2 |
| Standard Deviation of Colour Matching (McAdam ellipse) | SDCM≤5 |

Over Time Performance (IEC Compliant)

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|--|------|
| Control gear failure rate at median useful life 100000 h | 10 % |
| Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 100000 h | L100 |

Product Data

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|---------------------------------|-------------------------------------|
| Order product name | BDS100 LED22/740 I DM50 DGR CLO C5K |
| Full product name | BDS100 LED22/740 I DM50 DGR CLO C5K |
| Full product code | 871869945040300 |
| Order code | 912300023988 |
| Material Nr. (12NC) | 912300023988 |
| Numerator - Quantity Per Pack | 1 |
| EAN/UPC - Product/Case | 8718699450403 |
| Numerator - Packs per outer box | 1 |
| EAN/UPC - Case | 8718699450403 |
| Product family code | BDS100 [UrbanStar] |

Dimensional drawing

