



UrbanStar

BDS100 LED22/740 I DM50 DGR CLO C5K

UrbanStar, LED module 2200 lm, 740 neutral white, Safety class I, Distribution medium 50, Grey, Constant light output, Cable 5.0 m without plug

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 is a highly efficient LED luminaire, which enables a significant reduction in energy consumption compared to PL-L solutions. 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 | Unit |
| Driver included | Yes |
| 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 useful life (B50) value also represents the B10 value. * At extreme ambient temperatures the luminaire might automatically dim down to protect components |

| Light source engine type | LED |
|------------------------------|-----------------------|
| Product family code | BDS100 [UrbanStar] |
| Lighting Technology | LED |
| Value ladder | Performance |
| Embedded control | Constant light output |
| CE mark | Yes |
| Warranty period | 5 years |
| Flammability mark | - |
| ENEC mark | ENEC mark |
| EU RoHS compliant | Yes |
| Light Technical | |
| Upwards light output ratio | 0.03 |
| Luminous Flux | 1,848 lm |
| Standard tilt angle post-top | 0° |

| | |
|----------------------------------|--------------------------|
| Standard tilt angle side entry | - |
| Correlated Colour Temperature | 4000 K |
| Luminous efficacy (rated) (nom.) | 134 lm/W |
| Colour rendering index (CRI) | ≥70 |
| Light source colour | 740 neutral white |
| Optical cover type | Polycarbonate bowl/cover |
| Luminaire light beam spread | 30° - 5° x 153° |
| Optic type outdoor | Distribution medium 50 |

Operating and Electrical

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|--|---|
| 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 | 29 |

Temperature

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

Controls and Dimming

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

Mechanical and Housing

| | |
|-----------------------------|--------------------------------------|
| Housing material | Polycarbonate |
| Reflector material | Glass |
| Optic material | Polycarbonate |
| Optical cover/lens material | Polycarbonate |
| Fixation material | Aluminium |
| Housing Colour | Grey |
| Mounting device | Pole-mounting bracket diameter 76 mm |
| Optical cover/lens shape | Conical |
| Optical cover/lens finish | Frosted |

| | |
|-------------------------------------|--------------------|
| Overall length | 403 mm |
| Overall width | 350 mm |
| Overall height | 914 mm |
| Overall diameter | 76 mm |
| Effective projected area | 0.155 m² |
| Dimensions (height x width x depth) | 914 x 350 x 403 mm |

Approval and Application

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|--|--|
| Ingress protection code | IP66 [Dust penetration-protected, jet-proof] |
| Mech. impact protection code | IK06 [1 J] |
| Surge Protection (Common/Differential) | Luminaire surge protection level up to 6 kV differential mode and 6 kV common mode |
| Sustainability rating | - |
| Protection class IEC | Safety class I |

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 |

Over Time Performance (IEC Compliant)

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|---|------|
| Control gear failure rate at median useful life 100,000 h | 10 % |
| Lumen maintenance at median useful life* 100,000 h | L100 |

Application Conditions

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

Product Data

| | |
|-----------------------------------|-------------------------------------|
| Order product name | BDS100 LED22/740 DM50 DGR CLO C5K |
| Full product name | BDS100 LED22/740 DM50 DGR CLO C5K |
| Full EOC | 871869945040300 |
| Order code | 45040300 |
| Material no. (12 NC) | 912300023988 |
| SAP numerator – quantity per pack | 1 |
| EAN/UPC – Product/Case | 8718699450403 |
| Numerator – packs per outer box | 1 |
| EAN/UPC – Case | 8718699450403 |

Dimensional drawing

