



UrbanStar

BDS100 LED14/740 I DS50 DGR CLO-LS-8 50%

UrbanStar - LED module 1400 lm - 740 neutral white - Safety class I - Distribution symmetrical 50 - Dark Grey - Constant light output and LumiStep dimming 8 hours - -

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 | | Cable | - |
|-------------------------------|--|----------------------|--|
| Lamp family code | LED14 [LED module 1400 lm] | Protection class IEC | Safety class I |
| Light source colour | 740 neutral white | Flammability mark | NO [-] |
| Light source replaceable | Yes | CE mark | CE mark |
| Number of gear units | 1 unit | ENEC mark | ENEC mark |
| Driver/power unit/transformer | PSR-E [Power supply unit regulating external (PSR)] | Warranty period | 5 years |
| Driver included | Yes | Outdoor optic type | Distribution symmetrical 50 |
| Optical cover/lens type | PC [Polycarbonate bowl/cover] | 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 |
| Luminaire light beam spread | 152° x 155° | | |
| Embedded control | CLO-LS-8 [Constant light output and LumiStep dimming 8 hours] | | |
| Control interface | Analog | | |
| Connection | Plug-in connector 2-pole Wieland/Adels compatible | | |

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|---------------------------|---|
| | temperatures the luminaire might automatically dim down to protect components |
| Constant light output | Yes |
| Number of products on MCB | 29 |
| EU RoHS compliant | Yes |
| LED engine type | LED |
| Product Family Code | BDS100 [UrbanStar] |

Light Technical

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|--------------------------------|------|
| Upward light output ratio | 0.03 |
| Standard tilt angle post-top | 0° |
| Standard tilt angle side entry | - |

Operating and Electrical

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|-------------------------------|--------------|
| Input voltage | 220 to 240 V |
| Input frequency | 50 to 60 Hz |
| Initial CLO power consumption | 9.2 W |
| Average CLO power consumption | 9.3 W |
| End CLO power consumption | 9.3 W |
| Inrush current | 15 A |
| Inrush time | 0.295 ms |
| Power factor (min.) | 0.97 |

Controls and Dimming

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|----------|-----|
| Dimmable | Yes |
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Mechanical and Housing

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|-------------------------------------|--|
| Housing material | Polycarbonate |
| Reflector material | Glass |
| Optic material | Polycarbonate |
| Optical cover/lens material | Polycarbonate |
| Fixation material | Aluminium |
| 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 m ² |
| Colour | Dark Grey |
| Dimensions (height x width x depth) | 914 x 350 x 403 mm (36 x 13.8 x 15.9 in) |

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 |

Initial Performance (IEC Compliant)

| | |
|--------------------------------|------------------------|
| Initial luminous flux | 1232 lm |
| Luminous flux tolerance | +/-7% |
| Initial LED luminaire efficacy | 134 lm/W |
| Init. Corr. Colour Temperature | 4000 K |
| Init. colour rendering index | ≥70 |
| Initial chromaticity | (0.380, 0.390) SDCM <5 |
| Initial input power | 9.2 W |
| Power consumption tolerance | +/-7% |

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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|------------------------------------|---------------|
| Ambient temperature range | -40 to +50 °C |
| Performance ambient temperature Tq | 25 °C |
| Maximum dimming level | 20% |

Product Data

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|---------------------------------|---|
| Full product code | 871869945042700 |
| Order product name | BDS100 LED14/740 I DS50 DGR CLO-LS-8 50% |
| EAN/UPC – product | 8718699450427 |
| Order code | 45042700 |
| Numerator – quantity per pack | 1 |
| Numerator – packs per outer box | 1 |
| Material no. (12NC) | 912300023990 |
| Net weight (piece) | 7.880 kg |

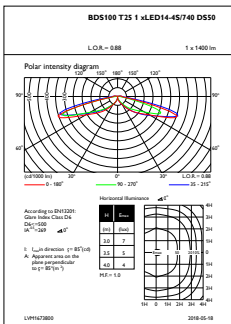


Dimensional drawing

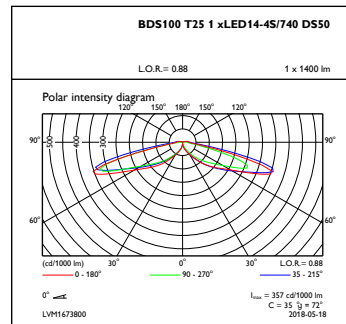


UrbanStar BDS100

Photometric data



OFPL1_BDS100T251xLED14-4S740DS50



OFPC1_BDS100T251xLED14-4S740DS50

