



UrbanStar – combining innovative design and LED performance

UrbanStar

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.

Benefits

- Up to 40% energy saving compared with PL-L
- Comfortable light creates atmosphere
- Equipped with Service tag, a QR-based identification system that makes each luminaire uniquely identifiable and provides maintenance, installation and spare part information

Features

- Optimized optics to deliver efficient and comfortable lighting levels
- Frosted protector
- Uniform light distribution

Application

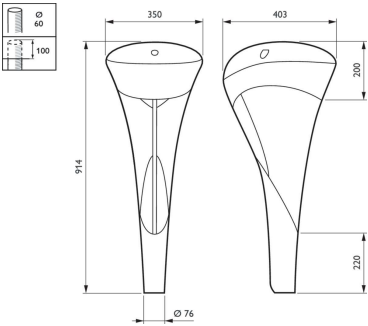
- Residential areas

Versions



OPPr BDS100i 0001

Dimensional drawing



| General Information | |
|--|--|
| Driver included | Yes |
| Light source replaceable | Yes |
| Number of gear units | 1 unit |
| Service tag | Yes |
| Light Technical | |
| Upward light output ratio | 0.03 |
| Operating and Electrical | |
| Surge Protection (Common/ Differential) | Surge protection level until 6 kV differential mode and 6 kV common mode |
| Mechanical and Housing | |
| Optical cover type | Polycarbonate bowl/cover |
| Housing Color | Gray |
| Mech. impact protection code | IK06 |
| Ingress protection code | IP66 |
| Standard tilt angle side entry | - |
| Standard tilt angle posttop | 0° |
| Approval and Application | |
| CE mark | Yes |
| Flammability mark | - |
| Product Data | |
| Product family code | BDS100 |

General Information

| Order Code | Full Product Name | Lamp family code |
|--------------|--|------------------|
| 912300023987 | BDS100 LED23/830 II DM12 SGR C1K | LED23 |
| 912300023988 | BDS100 LED22/740 I DM50 DGR CLO C5K | LED22 |
| 912300023989 | BDS100 LED12/830 I DX10 DGR CLO-LS-8 50% | LED12 |
| 912300023990 | BDS100 LED14/740 I DS50 DGR CLO-LS-8 50% | LED14 |
| 912300023991 | BDS100 LED43/740 I DW50 DGR D9 C1K | LED43 |

Light Technical (1/2)

| Order Code | Full Product Name | Luminaire light beam spread | Light source color | Correlated Color Temperature (Nom) | Color rendering index (CRI) |
|--------------|--|-----------------------------|--------------------|------------------------------------|-----------------------------|
| 912300023987 | BDS100 LED23/830 II DM12 SGR C1K | 88° x 157° | 830 warm white | 3000 K | 80 |
| 912300023988 | BDS100 LED22/740 I DM50 DGR CLO C5K | 30° - 5° x 153° | 740 neutral white | 4000 K | 70 |
| 912300023989 | BDS100 LED12/830 I DX10 DGR CLO-LS-8 50% | 20° - 4° x 150° | 830 warm white | 3000 K | 80 |

| Order Code | Full Product Name | Luminaire light beam spread | Light source color | Correlated Color Temperature (Nom) | Color rendering index (CRI) |
|--------------|--|-----------------------------|--------------------|------------------------------------|-----------------------------|
| 912300023990 | BDS100 LED14/740 I DS50 DGR CLO-LS-8 50% | 152° x 155° | 740 neutral white | 4000 K | 70 |
| 912300023991 | BDS100 LED43/740 I DW50 DGR D9 C1K | 23° - 8° x 152° | 740 neutral white | 4000 K | 70 |

Light Technical (2/2)

| Order Code | Full Product Name | Luminous Flux | Optic type outdoor |
|--------------|--|---------------|----------------------------|
| 912300023987 | BDS100 LED23/830 II DM12 SGR C1K | 1,955 lm | Distribution medium 12 |
| 912300023988 | BDS100 LED22/740 I DM50 DGR CLO C5K | 1,848 lm | Distribution medium 50 |
| 912300023989 | BDS100 LED12/830 I DX10 DGR CLO-LS-8 50% | 1,000 lm | Distribution extra wide 10 |

| Order Code | Full Product Name | Luminous Flux | Optic type outdoor |
|--------------|--|---------------|-----------------------------|
| 912300023990 | BDS100 LED14/740 I DS50 DGR CLO-LS-8 50% | 1,188 lm | Distribution symmetrical 50 |
| 912300023991 | BDS100 LED43/740 I DW50 DGR D9 C1K | 3,741 lm | Distribution wide 50 |

Operating and Electrical

| Order Code | Full Product Name | Power Consumption |
|--------------|--|-------------------|
| 912300023987 | BDS100 LED23/830 II DM12 SGR C1K | 18.2 W |
| 912300023988 | BDS100 LED22/740 I DM50 DGR CLO C5K | 13.8 W |
| 912300023989 | BDS100 LED12/830 I DX10 DGR CLO-LS-8 50% | 10 W |

| Order Code | Full Product Name | Power Consumption |
|--------------|--|-------------------|
| 912300023990 | BDS100 LED14/740 I DS50 DGR CLO-LS-8 50% | 9.1 W |
| 912300023991 | BDS100 LED43/740 I DW50 DGR D9 C1K | 26.5 W |

Controls and Dimming

| Order Code | Full Product Name | Dimmable | Maximum dim level |
|--------------|--|----------|-------------------|
| 912300023987 | BDS100 LED23/830 II DM12 SGR C1K | No | - |
| 912300023988 | BDS100 LED22/740 I DM50 DGR CLO C5K | No | - |
| 912300023989 | BDS100 LED12/830 I DX10 DGR CLO-LS-8 50% | Yes | 20% |

| Order Code | Full Product Name | Dimmable | Maximum dim level |
|--------------|--|----------|-------------------|
| 912300023990 | BDS100 LED14/740 I DS50 DGR CLO-LS-8 50% | Yes | 20% |
| 912300023991 | BDS100 LED43/740 I DW50 DGR D9 C1K | Yes | 20% |

