



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

Specifications

| | |
|---|---|
| Ambient Temperature | -40 to +50 °C |
| Beam spread luminaire | 152° x 155°, 20° - 4° x 150°, 23° - 8° x 152°, 30° - 5° x 153°, 88° x 157° |
| Main color of the Luminaire | Dark gray, silver |
| Connection | Plug-in connector 2-pole Wieland/Adels compatible (Plug-in connector 2-pole Wieland/Adels compatible) Plug-in connector 3-pole Wieland/Adels compatible (Plug-in connector 3-pole Wieland/Adels compatible) Plug-in connector 3-pole Wieland/Adels compatible and 2-pole control signal for light regulation (Plug-in connector 3-pole Wieland/Adels compatible and 2-pole control signal for light regulation) |
| Dimming | No, yes |
| Driver | Power supply unit (Power supply unit) Power supply unit regulating external (Power supply unit regulating external) Power supply unit with DALI interface (Power supply unit with DALI interface) |
| Initial correlated color temperature | 3000 K, 4000 K |

| | |
|---------------------------------------|---|
| Initial input power | 10 W, 13.8 W, 18.2 W, 26.5 W, 9.1 W |
| Initial LED luminaire efficacy | 100, 107, 131, 134, 141 lm/W |
| Initial luminous flux | 1000.5 lm, 1188 lm, 1848 lm, 1955 lm, 3741 lm |
| Input frequency | 50 to 60 Hz |
| Input voltage | 220 to 240 V |
| Inrush current (A) | 15, 21 A |
| Light source color | 740 neutral white, 830 warm white |
| Light source replaceable | Yes |
| Material | Housing: polycarbonate |
| Material | Reflector: glass |
| Optic | Distribution extra wide 10, distribution medium 12, distribution medium 50, distribution symmetrical 50, distribution wide 50 |
| Optical cover | Polycarbonate |
| Surge protection | Luminaire surge protection level until 6 kV differential mode and 6 kV common mode |
| Tilt angle housing | Standard tilt angle posttop: 0°Standard tilt angle side entry: - |
| Type | BDS100 |
| Warranty period | 5 years |

Versions



UrbanStar BDS100 LED luminaire



UrbanStar BDS100 LED luminaire

Approval and application

| | |
|--|--|
| Mech. impact protection code | IK06 |
| Surge Protection (Common/Differential) | Luminaire surge protection level until 6 kV differential mode and 6 kV common mode |

General information

| | |
|--------------------------|--------------------------|
| CE mark | CE mark |
| Optical cover/lens type | Polycarbonate bowl/cover |
| Driver included | Yes |
| Flammability mark | - |
| Light source replaceable | Yes |
| Number of gear units | 1 unit |
| Product Family Code | BDS100 |

Light technical

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

Application conditions

| Order Code | Full Product Name | Maximum dim level |
|--------------|--|-------------------|
| 912300023987 | BDS100 LED23/830 II DM12 SGR C1K | - |
| 912300023988 | BDS100 LED22/740 I DM50 DGR CLO C5K | - |
| 912300023989 | BDS100 LED12/830 I DX10 DGR CLO-LS-8 50% | 20% |
| 912300023990 | BDS100 LED14/740 I DS50 DGR CLO-LS-8 50% | 20% |
| 912300023991 | BDS100 LED43/740 I DW50 DGR D9 C1K | 20% |

Controls and dimming

| Order Code | Full Product Name | Dimmable |
|--------------|--|----------|
| 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 |

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

General information (1/2)

| Order Code | Full Product Name | Luminaire light beam spread | Light source color | Lamp family code | Lamp Optic type |
|--------------|-------------------------------------|-----------------------------|--------------------|------------------|----------------------------|
| 912300023987 | BDS100 LED23/830 II DM12 SGR C1K | 88° x 157° | 830 warm white | LED23 | Distribution medium 12 |
| 912300023988 | BDS100 LED22/740 I DM50 DGR CLO C5K | 30° - 5° x 153° | 740 neutral white | LED22 | Distribution medium 50 |
| 912300023989 | BDS100 LED12/830 I DX10 | 20° - 4° x 150° | 830 warm white | LED12 | Distribution extra wide 10 |

| Order Code | Full Product Name | Luminaire light beam spread | Light source color | Lamp family code | Lamp Optic type |
|--------------|--|-----------------------------|--------------------|------------------|-----------------------------|
| 912300023990 | BDS100 LED14/740 I DS50 DGR CLO-LS-8 50% | 152° x 155° | 740 neutral white | LED14 | Distribution symmetrical 50 |
| 912300023991 | BDS100 LED43/740 I DW50 DGR D9 C1K | 23° - 8° x 152° | 740 neutral white | LED43 | Distribution wide 50 |

General information (2/2)

| Order Code | Full Product Name | Service tag |
|--------------|--|-------------|
| 912300023987 | BDS100 LED23/830 II DM12 SGR C1K | - |
| 912300023988 | BDS100 LED22/740 I DM50 DGR CLO C5K | - |
| 912300023989 | BDS100 LED12/830 I DX10 DGR CLO-LS-8 50% | - |

| Order Code | Full Product Name | Service tag |
|--------------|--|-------------|
| 912300023990 | BDS100 LED14/740 I DS50 DGR CLO-LS-8 50% | - |
| 912300023991 | BDS100 LED43/740 I DW50 DGR D9 C1K | Yes |

Initial performance (IEC compliant)

| Order Code | Full Product Name | Init. Corr. Color Temperature | Init. Color Rendering Index | Initial luminous flux |
|--------------|--|-------------------------------|-----------------------------|-----------------------|
| 912300023987 | BDS100 LED23/830 II DM12 SGR C1K | 3000 K | ≥80 | 1955 lm |
| 912300023988 | BDS100 LED22/740 I DM50 DGR CLO C5K | 4000 K | ≥70 | 1848 lm |
| 912300023989 | BDS100 LED12/830 I DX10 DGR CLO-LS-8 50% | 3000 K | ≥80 | 1000.5 lm |

| Order Code | Full Product Name | Init. Corr. Color Temperature | Init. Color Rendering Index | Initial luminous flux |
|--------------|--|-------------------------------|-----------------------------|-----------------------|
| 912300023990 | BDS100 LED14/740 I DS50 DGR CLO-LS-8 50% | 4000 K | ≥70 | 1188 lm |
| 912300023991 | BDS100 LED43/740 I DW50 DGR D9 C1K | 4000 K | ≥70 | 3741 lm |

Mechanical and housing

| Order Code | Full Product Name | Color |
|--------------|--|-----------|
| 912300023987 | BDS100 LED23/830 II DM12 SGR C1K | Silver |
| 912300023988 | BDS100 LED22/740 I DM50 DGR CLO C5K | Dark gray |
| 912300023989 | BDS100 LED12/830 I DX10 DGR CLO-LS-8 50% | Dark gray |

| Order Code | Full Product Name | Color |
|--------------|--|-----------|
| 912300023990 | BDS100 LED14/740 I DS50 DGR CLO-LS-8 50% | Dark gray |
| 912300023991 | BDS100 LED43/740 I DW50 DGR D9 C1K | Dark gray |

