



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, 18.4 W, 26.5 W, 9.1 W
Initial LED luminaire efficacy	100, 106, 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

