



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 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.

Benefits

- Up to 40% energy saving compared with PL-L
- Comfortable light creates atmosphere

Features

- Dedicated optic
- Frosted protector
- Uniform light distribution
- Available in warm white and neutral white

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 colour of the luminaire	Dark Grey, 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 with DALI interface (PSD) Power supply unit regulating external (PSR) (PSR-E) Power supply unit (PSU)
Initial correlated colour temperature	3000, 4000 K
Initial input power	9.3, 10.2, 14.4, 18, 27 W

Initial LED luminaire efficacy	102, 109, 132, 134, 139 lm/W
Initial luminous flux	1044, 1232, 1936, 1955, 3741 lm
Input frequency	50 to 60 Hz
Input voltage	220 to 240 V
Inrush current (A)	15, 22 A
Light source colour	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 up to 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



BDS100 - LED module 2300 lm



BDS100 - LED Module 1200 lm

Approval and Application

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

General Information

CE mark	CE mark
Optical cover/lens type	PC
Driver included	Yes
Flammability mark	NO
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
45039700	BDS100 LED23/830 II DM12 SGR C1K	-
45040300	BDS100 LED22/740 I DM50 DGR CLO C5K	-
45041000	BDS100 LED12/830 I DX10 DGR CLO-LS-8 50%	20%
45042700	BDS100 LED14/740 I DS50 DGR CLO-LS-8 50%	20%
45043400	BDS100 LED43/740 I DW50 DGR D9 C1K	20%

Controls and Dimming

Order Code	Full Product Name	Dimmable
45039700	BDS100 LED23/830 II DM12 SGR C1K	No
45040300	BDS100 LED22/740 I DM50 DGR CLO C5K	No
45041000	BDS100 LED12/830 I DX10 DGR CLO-LS-8 50%	Yes

Order Code	Full Product Name	Dimmable
45042700	BDS100 LED14/740 I DS50 DGR CLO-LS-8 50%	Yes
45043400	BDS100 LED43/740 I DW50 DGR D9 C1K	Yes

General Information

Order Code	Full Product Name	Luminaire light beam spread	Light source colour	Lamp family code	Optic type
45039700	BDS100 LED23/830 II DM12 SGR C1K	88° x 157°	830 warm white	LED23	Distribution medium 12
45040300	BDS100 LED22/740 I DM50 DGR CLO C5K	30° - 5° x 153°	740 neutral white	LED22	Distribution medium 50
45041000	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 colour	Lamp family code	Optic type
	DGR CLO-LS-8 50%				
45042700	BDS100 LED14/740 I DS50 DGR CLO-LS-8 50%	152° x 155°	740 neutral white	LED14	Distribution symmetrical 50
45043400	BDS100 LED43/740 I DW50 DGR D9 C1K	23° - 8° x 152°	740 neutral white	LED43	Distribution wide 50

Initial Performance (IEC Compliant)

Order Code	Full Product Name	Init. Corr. Colour Temperature	Init. Colour Rendering Index	Initial luminous flux
45039700	BDS100 LED23/830 II DM12 SGR C1K	3000 K	≥80	1955 lm

Order Code	Full Product Name	Init. Corr. Colour Temperature	Init. Colour Rendering Index	Initial luminous flux
45040300	BDS100 LED22/740 I DM50 DGR CLO C5K	4000 K	≥70	1848 lm

Order Code	Full Product Name	Init. Colour		
		Init. Corr. Colour Temperature	Rendering Index	Initial luminous flux
45041000	BDS100 LED12/830 I DX10 DGR CLO-LS-8 50%	3000 K	≥80	1000.5 lm
45042700	BDS100 LED14/740 I DS50 DGR CLO-LS-8 50%	4000 K	≥70	1232 lm

Order Code	Full Product Name	Init. Colour		
		Init. Corr. Colour Temperature	Rendering Index	Initial luminous flux
45043400	BDS100 LED43/740 I DW50 DGR D9 C1K	4000 K	≥70	3741 lm

Mechanical and Housing

Order Code	Full Product Name	Colour
45039700	BDS100 LED23/830 II DM12 SGR C1K	Silver
45040300	BDS100 LED22/740 I DM50 DGR CLO C5K	Dark Grey
45041000	BDS100 LED12/830 I DX10 DGR CLO-LS-8 50%	Dark Grey

Order Code	Full Product Name	Colour
45042700	BDS100 LED14/740 I DS50 DGR CLO-LS-8 50%	Dark Grey
45043400	BDS100 LED43/740 I DW50 DGR D9 C1K	Dark Grey

