UrbanStar – combining innovative design and LED performance

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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

Features
· Optimized optics to deliver efficient and comfortablelighting levels
· Frosted protector
· Uniform light distribution

Application
· Residential areas

Specifications

Ambient Temperature	−20 to +25 °C

Beam spread luminaire	152° x 155°, 20° – 4° x 150°, 23° – 8° x 152°, 30° – 5° x 153°, 88° x 157°

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Main color of the Luminaire	Dark gray, silver	**Initial luminous flux**	1060, 1240, 1934, 2022, 3747 lm
Connection	– (–)	**Input frequency**	50 to 60 Hz
	Plug-in connector 3-pole Wieland/Adels compatible (Plug-in connector 3-pole Wieland/Adels compatible)	**Input voltage**	220 to 240 V
		Inrush current (A)	15, 22 A
	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)	**Light source color**	740 neutral white, 830 warm white
		Light source replaceable	Yes
		Material	Housing: polycarbonate
		Material	Reflector: glass
Dimming	No, yes	**Optic**	Distribution extra wide 10, distribution medium 12, distribution medium 50, distribution symmetrical 50, distribution wide 50
Driver	Power supply unit (Power supply unit)	
	Power supply unit regulating external (Power supply unit regulating external)	**Optical cover**	Polycarbonate
		Surge protection	Luminaire surge protection level until 6 kV differential mode and 6 kV common mode
	Power supply unit with DALI interface (Power supply unit with DALI interface)	
		Tilt angle housing	Standard tilt angle posttop: 0°Standard tilt angle side entry: –
Initial correlated color temperature	3000, 4000 K	**Type**	BDS100
		Warranty period	5 years
Initial input power	10, 11, 15, 19, 29 W		
Initial LED luminaire efficacy	100, 107, 123, 126, 132 lm/W		

Versions

UrbanStar BDS100 LED luminaire

UrbanStar BDS100 LED luminaire

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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

Order Code	Full Product Name	Luminaire light beam spread	Light source color	Lamp family code	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	Optic type
	DGR CLO-LS-8 50%				
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

Initial Performance (IEC Compliant)

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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	1936 lm
912300023989	BDS100 LED12/830 I DX10 DGR CLO-LS-8 50%	3000 K	≥80	1044 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	1232 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

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2019, March 18 – data subject to change