CityCharm Cone – combining ambiance and optimum performance

CityCharm Cone

CityCharm Cone is designed for use in urban areas where comfortable lighting, ambiance and design play an important role. Its unobtrusive appearance makes it a timeless, future-proof luminaire that is ideal for residential areas, parks, footpaths and cycle lanes, where visual comfort and maximum efficiency are key. CityCharm offers a choice of two iconic designs (Cone and Cordoba) and various accessories, enabling you to create a lighting solution that carries your signature, both by day and by night. CityCharm luminaires are also available as a complete set, with a choice of dedicated poles and brackets.

Benefits
- Elegant iconic range focused on comfortable lighting
- Future-proof due to excellent lighting performance and high quality of product and finishing
- Suitable for both renovation projects and new installations thanks to dedicated brackets and

Features
- Choice of luminaire shapes, color effects, and dedicated poles and brackets
- Diffusing tools to create visual comfort and colored parts to enhance ambiance
- A broad lumen range and optics to ensure maximum efficiency at all lighting levels
- Optimized total cost of ownership
- Compatible with all standard and advanced Philips lighting systems and CityTouch Ready
- Easy on-site maintenance of the driver

CityCharm Cone

Application
· Residential areas
· Footpaths and cycle lanes
· Parks and boulevards

Specifications

Type	BDS491		**Dimming**	DynaDimmer
Light source	Build-in LED-module			LumiStep
Power	Standard version: 10-82 W (3000 K), 9-75 W (4000 K)			CLO
	ClearGuide version: 18-33 W (3000 K), 16-32 W (4000 K)		**Controls system input**	DALI
Luminous flux	Standard version: 1100-7400 lm (3000 K), 1100-7450 lm (4000 K)		**Options**	Photocell: Minicell, 35, 55, 70 lux
			Optic	Standard version: Distribution medium (DM), wide (DW), vertical (DV), symmetrical (S), asymmetrical (A)
	ClearGuide version: 1700-3200 lm (3000 K): 1650-2800 lm (4000 K)			ClearGuide version: Distribution symmetrical (S), a-symmetrical (A)
Luminaire efficacy	Standard version: Up to 120 lm/W (3000 K), Up to 130 lm/W (4000 K)		**Optical element**	For standard version a louver is available
	ClearGuide version: Up to 95 lm/W (3000 K), Up to 108 lm/W (4000 K)		**Optical cover**	For standard version two diffusing plates are available: Standard diffusing plate and GentleBeam diffusing plate
Correlated Color Temperature	Standard version: 3000 K, warm white (WW), 4000 K, neutral white (NW)		**Material**	Housing: high-pressure die-cast aluminum, non corrosive
				Bowl: polycarbonate, reinforced against UV
	ClearGuide version: 3000 K, warm white (WW), 4000 K, neutral white (NW)		**Color**	Housing: Philips ultra-dark grey (close to RAL 7022, fine textured color)
Color Rendering Index	Standard version: ≥ 80 (3000 K), ≥ 70 (4000 K)			Other RAL and AKZO Futura colors available on request
	ClearGuide version: ≥ 70 (3000 K), ≥ 70 (4000 K)		**Maintenance**	Easy access to the driver from the top, 3 screws
Maintenance of lumen output - L80B10	100,000 hours		**Installation**	Post-top mounting: Ø 60-76 mm, two screws
				Recommended mounting height: 4-6 m
Operating temperature range	−20 to +35 ºC			Max SCx: 0.1155 m
Driver	Built-in (self ballasted LED-module)		**Accessories**	JDP490 (CityCharm post-top bracket)
Mains voltage	220-240 V / 50-60 Hz			JPP490 (CityCharm bracket)
Inrush current	Standard version: 28 A / 150 μs (27 W Xitanium driver), 27 A / 150 μs (40 W Xitanium driver), 80 A / 150 μs (100 W Xitanium driver)			YHM490 (CityCharm pole)
	ClearGuide version: 27 A / 150 μs (40 W Xitanium driver)			

Versions

CityCharm Cone BDS491 urban-lighting luminaire with ClearGuide

Product details

CityCharm_Cordoba_Cone-BDS490_BDS491_DGR-DP02.tif

CityCharm_Cone-BDS491_DGR-DP03.tif

CityCharm Cone

Application Conditions

Maximum dim level	Not applicable

Approval and Application

Mech. impact protection code	IK10
Surge Protection (Common/ Differential)	Luminaire surge protection level up to 6 kV differential mode and 8 kV common mode

Controls and Dimming

Dimmable	No

General Information

Luminaire light beam spread	360°
CE mark	CE mark
Optical cover/lens type	PC
Driver included	Yes
Flammability mark	NO
Gear	EB
Glow-wire test	Temperature 650 °C, duration 5 s
Lamp family code	CG25
Light source replaceable	Yes
Number of gear units	1 unit
Number of light sources	15
Product Family Code	BDS491
UL mark	No

Initial Performance (IEC Compliant)

Init. Colour Rendering Index	≥70

Light Technical

Scotopic/photopic lumen ratio	1.24
Standard tilt angle side entry	0°
Standard tilt angle posttop	0°
Upward light output ratio	0.03

Mechanical and Housing

Colour	Grey

Operating and Electrical

Order Code	Full Product Name	Driver current
93921500	BDS491 CG25-/740 II S GR D11 76	380 mA
93926000	BDS491 CG25-/740 II A GR H07RN-PX1.5 60	380 mA
93927700	BDS491 CG25-/730 II S GR 60	447 mA

General Information

Order Code	Full Product Name	Coating	Light source colour	Optic type
93921500	BDS491 CG25-/740 II S GR D11 76	–	740 neutral white	Symmetrical
93926000	BDS491 CG25-/740 II A GR H07RN-PX1.5 60	–	740 neutral white	Asymmetrical

Order Code	Full Product Name	Coating	Light source colour	Optic type
93927700	BDS491 CG25-/730 II S GR 60	–	730 warm white	Symmetrical

Initial Performance (IEC Compliant)

CityCharm Cone

Order Code	Full Product Name	Init. Corr. Colour Temperature	Initial luminous flux
93921500	BDS491 CG25-/740 II S GR D11 76	4000 K	2140 lm
93926000	BDS491 CG25-/740 II A GR H07RN-PX1.5 60	4000 K	2140 lm

Order Code	Full Product Name	Init. Corr. Colour Temperature	Initial luminous flux
93927700	BDS491 CG25-/730 II S GR 60	3000 K	2117 lm

www.lighting.philips.com

2020, May 25 – data subject to change