



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
Light source	Built-in LED-module
Power	Standard version: 10-82 W (3000 K), 9-75 W (4000 K) ClearGuide version: 18-33 W (3000 K), 16-32 W (4000 K)
Luminous flux	Standard version: 1100-7400 lm (3000 K), 1100-7450 lm (4000 K) ClearGuide version: 1700-3200 lm (3000 K): 1650-2800 lm (4000 K)
Luminaire efficacy	Standard version: Up to 120 lm/W (3000 K), Up to 130 lm/W (4000 K) ClearGuide version: Up to 95 lm/W (3000 K), Up to 108 lm/W (4000 K)
Correlated Color Temperature	Standard version: 3000 K, warm white (WW), 4000 K, neutral white (NW) ClearGuide version: 3000 K, warm white (WW), 4000 K, neutral white (NW)
Color Rendering Index	Standard version: ≥ 80 (3000 K), ≥ 70 (4000 K) ClearGuide version: ≥ 70 (3000 K), ≥ 70 (4000 K)
Maintenance of lumen output - L80B10	100,000 hours
Operating temperature range	-20 to +35 °C
Driver	Built-in (self ballasted LED-module)
Mains voltage	220-240 V / 50-60 Hz
Inrush current	Standard version: 28 A / 150 μ s (27 W Xitanium driver), 27 A / 150 μ s (40 W Xitanium driver), 80 A / 150 μ s (100 W Xitanium driver) ClearGuide version: 27 A / 150 μ s (40 W Xitanium driver)

Dimming	DynaDimmer LumiStep CLO
Controls system input	DALI
Options	Photocell: Minicell, 35, 55, 70 lux
Optic	Standard version: Distribution medium (DM), wide (DW), vertical (DV), symmetrical (S), asymmetrical (A) ClearGuide version: Distribution symmetrical (S), a-symmetrical (A)
Optical element	For standard version a louver is available
Optical cover	For standard version two diffusing plates are available: Standard diffusing plate and GentleBeam diffusing plate
Material	Housing: high-pressure die-cast aluminum, non corrosive Bowl: polycarbonate, reinforced against UV
Color	Housing: Philips ultra-dark grey (close to RAL 7022, fine textured color) Other RAL and AKZO Futura colors available on request
Maintenance	Easy access to the driver from the top, 3 screws
Installation	Post-top mounting: \varnothing 60-76 mm, two screws Recommended mounting height: 4-6 m Max SCx: 0.1155 m
Accessories	JDP490 (CityCharm post-top bracket) JPP490 (CityCharm bracket) YHM490 (CityCharm pole)

Versions



CityCharm Cone BDS491 urban-lighting luminaire with ClearGuide

CityCharm Cone

Product details



CityCharm_Cordoba_Cone-
BDS490_BDS491_DGR-DP02.tif



CityCharm_Cone-BDS491_DGR-
DP03.tif

Application Conditions

Maximum dim level	Not applicable
-------------------	----------------

Approval and Application

Mech. impact protection code	IK10
------------------------------	------

Controls and Dimming

Dimmable	No
----------	----

General Information

Luminaire light beam spread	360°
CE mark	CE mark
Optical cover/lens type	PC
Driver included	Yes
ENEC mark	ENEC mark
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

CityCharm Cone

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

Initial Performance (IEC Compliant)

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

