



CityCharm Cone - Combining visual comfort and performance

CityCharm Cone

The CityCharm range is designed for use in urban areas where comfortable lighting, ambiance and design play an important role. It offers two iconic, timeless designs (Cordoba and Cone) and various accessories, enabling you to create a lighting solution that carries your signature, both by day and by night. CityCharm provides high visual comfort while maintaining excellent performance. It offers a choice of two innovative new Philips Lighting technologies: GentleBeam, which maximizes visual comfort, or ClearGuide, which optimizes vertical illumination and visual guidance. A variety of dedicated brackets and masts enables you to reshape your residential areas and city centers in the most elegant way imaginable. Further information about GentleBeam and ClearGuide technology can be found in the Product Guide.

Benefits

- Elegant iconic range delivering comfortable lighting with GentleBeam or ClearGuide technology
- Excellent lighting performance and high quality of product and finishing
- Suitable for both renovation projects and new installations thanks to dedicated brackets and poles
- Equipped with Service tag, a QR-based identification system that makes each luminaire uniquely identifiable and provides maintenance, installation and spare part information

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 range of lumen outputs 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

Application

- Residential areas
- Footpaths and cycle lanes
- Parks and boulevards

Specifications

Type	BDS491
Light source	Build-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)

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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

Application Conditions

Maximum dim level	Not applicable
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Approval and Application

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

Controls and Dimming

Dimmable	No
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General Information

Luminaire light beam spread	360°
CE mark	CE mark
Optical cover/lens type	Polycarbonate bowl/cover
Driver included	Yes
Flammability mark	-
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 pcs
Product Family Code	BDS491
UL mark	-

Initial Performance (IEC Compliant)

Init. Color Rendering Index	≥70
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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

Color	Gray
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Operating and Electrical

Order Code	Full Product Name	Driver current
910505017426	BDS491 CG25-/740 II S GR D11 76	380 mA
910505017431	BDS491 CG25-/740 II A GR H07RN-PX1.5 60	380 mA
910505017432	BDS491 CG25-/730 II S GR 60	447 mA

General Information

Order Code	Full Product Name	Light source		
		Coating	color	Optic type
910505017426	BDS491 CG25-/740 II S GR D11 76	-	740 neutral white	Symmetrical
910505017431	BDS491 CG25-/740 II A GR H07RN-PX1.5 60	-	740 neutral white	Asymmetrical

Order Code	Full Product Name	Light source		
		Coating	color	Optic type
910505017432	BDS491 CG25-/730 II S GR 60	-	730 warm white	Symmetrical

Initial Performance (IEC Compliant)

Order Code	Full Product Name	Init. Corr. Color Temperature	Initial luminous flux
910505017426	BDS491 CG25-/740 II S GR D11 76	4000 K	2140 lm
910505017431	BDS491 CG25-/740 II A GR H07RN-PX1.5 60	4000 K	2140 lm

Order Code	Full Product Name	Init. Corr. Color Temperature	Initial luminous flux
910505017432	BDS491 CG25-/730 II S GR 60	3000 K	2117 lm

