



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

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Application

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

Specifications

Type	BDS491
Light source	Build-in LED-module
Power	10-82 W (3000 K) 9-75 W (4000 K)
Luminous flux	1100-7400 lm (3000 K) 1100-7450 lm (4000 K)
Luminaire efficacy	120 lm/W (3000 K) 130 lm/W (4000 K)
Correlated Color	3000 K, warm white (WW)
Temperature	4000 K, neutral white (NW)
Color Rendering Index	≥ 80 (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	28 A / 150 µs (27 W Xitanium driver) 27 A / 150 µs (40 W Xitanium driver) 80 A / 150 µs (100 W Xitanium driver)

Dimming	DynaDimmer LumiStep CLO
Controls system input	DALI
Options	Photocell: Minicell, 35, 55, 70 lux
Optic	Distribution medium (DM), wide (DW), vertical (DV), symmetrical (S), asymmetrical (A)
Optical element	Louver (option)
Optical cover	Diffusing plates (two different plates available)
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: Ø 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 dark grey inner part and without the standard diffusing plate.



CityCharm Cone BDS491 urban-lighting luminaire, with dark grey inner part and with the standard diffusing plate.

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Versions



CityCharm Cone BDS491 urban-lighting luminaire with dark grey inner part and 'gentle beam' diffusing plate



CityCharm Cone BDS491 urban-lighting luminaire with ClearGuide

Product details



Back louvre accessory (separated/ exploded view).



Back louvre accessory (fixed together).



CityCharm Cone BDS491 fits on any standard pole.



CityCharm Cone BDS491 comes in various colored inner parts for a different day-night appearance, here in green.



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
Light source replaceable	Yes
Number of gear units	1 unit
Product Family Code	BDS491
Light Technical	
Standard tilt angle side entry	0°
Standard tilt angle posttop	0°
Upward light output ratio	0.03
Mechanical and Housing	
Colour	Gray

Approval and Application

Order Code	Full Product Name	Surge Protection (Common/Differential)
92122700	BDS491 GRN30-/740 II DM GRB GR C4K 60	-
92123400	BDS491 GRN40-/740 II DM GRB GR C4K 60	-
92124100	BDS491 GRN70-/740 II DM GRB GR C4K 60	-
92155500	BDS491 GRN70-/830 I S GRB GR 60	-
92168500	BDS491 GRN30-/830 II DM GRB GR 60	-
92169200	BDS491 GRN70-/830 II DM GRB GR H07RN-PX1	-
92170800	BDS491 GRN30-/740 II DM GRB GR H07RN-PX1	-
92171500	BDS491 GRN50-/740 II DM GRB GR 60	-
92172200	BDS491 GRN70-/740 II DM GRB GR 60	-
92125800	BDS491 GRN40-/740 II S GRB DF GR C4K 60	-
92151700	BDS491 GRN100-/740 I DM GRB DF-S GR CLO	Surge protection level until 10 kV
92152400	BDS491 GRN10-/740 I DM GRB DF-S GR CLO S	Surge protection level until 10 kV
93921500	BDS491 CG25-/740 II S GR D11 76	-
93926000	BDS491 CG25-/740 II A GR H07RN-PX1.5 60	-
93927700	BDS491 CG25-/730 II S GR 60	-

Operating and Electrical

Order Code	Full Product Name	Driver current
92122700	BDS491 GRN30-/740 II DM GRB GR C4K 60	340 mA
92123400	BDS491 GRN40-/740 II DM GRB GR C4K 60	470 mA
92124100	BDS491 GRN70-/740 II DM GRB GR C4K 60	405 mA
92155500	BDS491 GRN70-/830 I S GRB GR 60	445 mA
92168500	BDS491 GRN30-/830 II DM GRB GR 60	375 mA
92169200	BDS491 GRN70-/830 II DM GRB GR H07RN-PX1	445 mA
92170800	BDS491 GRN30-/740 II DM GRB GR H07RN-PX1	340 mA
92171500	BDS491 GRN50-/740 II DM GRB GR 60	610 mA

Order Code	Full Product Name	Driver current
92172200	BDS491 GRN70-/740 II DM GRB GR 60	405 mA
92125800	BDS491 GRN40-/740 II S GRB DF GR C4K 60	470 mA
92151700	BDS491 GRN100-/740 I DM GRB DF-S GR CLO	605 mA
92152400	BDS491 GRN10-/740 I DM GRB DF-S GR CLO S	305 mA
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 (1/2)

Order Code	Full Product Name	Coating	Light source colour	Glow-wire test	Lamp family code
92122700	BDS491 GRN30-/740 II DM GRB GR C4K 60	-	740 neutral white	650/30	GRN30
92123400	BDS491 GRN40-/740 II DM GRB GR C4K 60	-	740 neutral white	650/30	GRN40
92124100	BDS491 GRN70-/740 II DM GRB GR C4K 60	-	740 neutral white	650/30	GRN70

Order Code	Full Product Name	Coating	Light source colour	Glow-wire test	Lamp family code
92155500	BDS491 GRN70-/830 I S GRB GR 60	-	830 warm white	650/30	GRN70
92168500	BDS491 GRN30-/830 II DM GRB GR 60	-	830 warm white	650/30	GRN30
92169200	BDS491 GRN70-/830 II DM GRB GR H07RN-PX1	-	830 warm white	650/30	GRN70

Order Code	Full Product Name	Coating	Light source colour	Glow-wire test	Lamp family code
92170800	BDS491 GRN30-/740 II DM GRB GR H07RN-PX1	-	740 neutral white	650/30	GRN30
92171500	BDS491 GRN50-/740 II DM GRB GR 60	-	740 neutral white	650/30	GRN50
92172200	BDS491 GRN70-/740 II DM GRB GR 60	-	740 neutral white	650/30	GRN70
92125800	BDS491 GRN40-/740 II S GRB DF GR C4K 60	-	740 neutral white	650/30	GRN40
92151700	BDS491 GRN100-/740 I DM GRB DF-S GR CLO	-	740 neutral white	650/30	GRN100

Order Code	Full Product Name	Coating	Light source colour	Glow-wire test	Lamp family code
92152400	BDS491 GRN10-/740 I DM GRB DF-S GR CLO S	-	740 neutral white	650/30	GRN10
93921500	BDS491 CG25-/740 II S GR D11 76	-	740 neutral white	650/5	CG25
93926000	BDS491 CG25-/740 II A GR H07RN-PX1.5 60	-	740 neutral white	650/5	CG25
93927700	BDS491 CG25-/730 II S GR 60	-	730 warm white	650/5	CG25

General Information (2/2)

Order Code	Full Product Name	Number of light sources	Optic type	Optical element	UL mark
92122700	BDS491 GRN30-/740 II DM GRB GR C4K 60	20	Distribution medium	No	-
92123400	BDS491 GRN40-/740 II DM GRB GR C4K 60	20	Distribution medium	No	-
92124100	BDS491 GRN70-/740 II DM GRB GR C4K 60	40	Distribution medium	No	-
92155500	BDS491 GRN70-/830 I S GRB GR 60	40	Symmetrical	No	-
92168500	BDS491 GRN30-/830 II DM GRB GR 60	20	Distribution medium	No	-
92169200	BDS491 GRN70-/830 II DM GRB GR H07RN-PX1	40	Distribution medium	No	-
92170800	BDS491 GRN30-/740 II DM GRB GR H07RN-PX1	20	Distribution medium	No	-
92171500	BDS491 GRN50-/740 II DM GRB GR 60	20	Distribution medium	No	-

Order Code	Full Product Name	Number of light sources	Optic type	Optical element	UL mark
92172200	BDS491 GRN70-/740 II DM GRB GR 60	40	Distribution medium	No	-
92125800	BDS491 GRN40-/740 II S GRB DF GR C4K 60	20	Symmetrical	DF	-
92151700	BDS491 GRN100-/740 I DM GRB DF-S GR CLO	40	Distribution medium	DF-S	-
92152400	BDS491 GRN10-/740 I DM GRB DF-S GR CLO S	8	Distribution medium	DF-S	-
93921500	BDS491 CG25-/740 II S GR D11 76	15	Symmetrical	-	-
93926000	BDS491 CG25-/740 II A GR H07RN-PX1.5 60	15	Asymmetrical	-	-
93927700	BDS491 CG25-/730 II S GR 60	15	Symmetrical	-	-

Initial Performance (IEC Compliant)

Order Code	Full Product Name	Init. Corr. Colour Temperature	Init. Colour Rendering Index	Initial luminous flux
92122700	BDS491 GRN30-/740 II DM GRB GR C4K 60	4000 K	≥70	2577 lm
92123400	BDS491 GRN40-/740 II DM GRB GR C4K 60	4000 K	≥70	3396 lm
92124100	BDS491 GRN70-/740 II DM GRB GR C4K 60	4000 K	≥70	5974 lm
92155500	BDS491 GRN70-/830 I S GRB GR 60	3000 K	≥80	5938 lm
92168500	BDS491 GRN30-/830 II DM GRB GR 60	3000 K	≥80	2567 lm

Order Code	Full Product Name	Init. Corr. Colour Temperature	Init. Colour Rendering Index	Initial luminous flux
92169200	BDS491 GRN70-/830 II DM GRB GR H07RN-PX1	3000 K	≥80	5938 lm
92170800	BDS491 GRN30-/740 II DM GRB GR H07RN-PX1	4000 K	≥70	2577 lm
92171500	BDS491 GRN50-/740 II DM GRB GR 60	4000 K	≥70	4278 lm
92172200	BDS491 GRN70-/740 II DM GRB GR 60	4000 K	≥70	5974 lm
92125800	BDS491 GRN40-/740 II S GRB DF GR C4K 60	4000 K	≥70	3396 lm

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Order Code	Full Product Name	Init. Corr. Colour Temperature	Init. Colour Rendering Index	Initial luminous flux
92151700	BDS491 GRN100-/740 I DM GRB DF-S GR CLO	4000 K	≥70	8493 lm
92152400	BDS491 GRN10-/740 I DM GRB DF-S GR CLO S	4000 K	≥70	943 lm
93921500	BDS491 CG25-/740 II S GR D11 76	4000 K	≥70	2140 lm

Order Code	Full Product Name	Init. Corr. Colour Temperature	Init. Colour Rendering Index	Initial luminous flux
93926000	BDS491 CG25-/740 II A GR H07RN-PX1.5 60	4000 K	≥70	2140 lm
93927700	BDS491 CG25-/730 II S GR 60	3000 K	≥70	2117 lm

Light Technical

Order Code	Full Product Name	Scotopic/photopic lumen ratio
92122700	BDS491 GRN30-/740 II DM GRB GR C4K 60	-
92123400	BDS491 GRN40-/740 II DM GRB GR C4K 60	-
92124100	BDS491 GRN70-/740 II DM GRB GR C4K 60	-
92155500	BDS491 GRN70-/830 I S GRB GR 60	-
92168500	BDS491 GRN30-/830 II DM GRB GR 60	-
92169200	BDS491 GRN70-/830 II DM GRB GR H07RN-PX1	-
92170800	BDS491 GRN30-/740 II DM GRB GR H07RN-PX1	-
92171500	BDS491 GRN50-/740 II DM GRB GR 60	-

Order Code	Full Product Name	Scotopic/photopic lumen ratio
92172200	BDS491 GRN70-/740 II DM GRB GR 60	-
92125800	BDS491 GRN40-/740 II S GRB DF GR C4K 60	-
92151700	BDS491 GRN100-/740 I DM GRB DF-S GR CLO	-
92152400	BDS491 GRN10-/740 I DM GRB DF-S GR CLO S	-
93921500	BDS491 CG25-/740 II S GR D11 76	1.24
93926000	BDS491 CG25-/740 II A GR H07RN-PX1.5 60	1.24
93927700	BDS491 CG25-/730 II S GR 60	1.24

