



# 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

<b>Type</b>	BDS491
<b>Light source</b>	Built-in LED-module
<b>Power</b>	Standard version: 10-82 W (3000 K), 9-75 W (4000 K) ClearGuide version: 18-33 W (3000 K), 16-32 W (4000 K)
<b>Luminous flux</b>	Standard version: 1100-7400 lm (3000 K), 1100-7450 lm (4000 K) ClearGuide version: 1700-3200 lm (3000 K): 1650-2800 lm (4000 K)
<b>Luminaire efficacy</b>	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)
<b>Correlated Color Temperature</b>	Standard version: 3000 K, warm white (WW), 4000 K, neutral white (NW) ClearGuide version: 3000 K, warm white (WW), 4000 K, neutral white (NW)
<b>Color Rendering Index</b>	Standard version: $\geq 80$ (3000 K), $\geq 70$ (4000 K) ClearGuide version: $\geq 70$ (3000 K), $\geq 70$ (4000 K)
<b>Maintenance of lumen output - L80B10</b>	100,000 hours
<b>Operating temperature range</b>	-20 to +35 °C
<b>Driver</b>	Built-in (self ballasted LED-module)
<b>Mains voltage</b>	220-240 V / 50-60 Hz
<b>Inrush current</b>	Standard version: 28 A / 150 $\mu$ s (27 W Xitanium driver), 27 A / 150 $\mu$ s (40 W Xitanium driver), 80 A / 150 $\mu$ s (100 W Xitanium driver) ClearGuide version: 27 A / 150 $\mu$ s (40 W Xitanium driver)

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

## Versions



CityCharm Cone BDS491  
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ClearGuide



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

# CityCharm Cone

## Versions



CityCharm Cone BDS491 urban-lighting luminaire, with dark grey inner part and without the standard diffusing plate.

## 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

Flammability mark NO

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°

### Mechanical and Housing

Color Gray

## Approval and Application

Order Code	Full Product Name	Surge Protection (Common/Differential)
93926000	BDS491 CG25-/740 II A GR H07RN-PX1.5 60	Luminaire surge protection level until 6 kV differential mode and 8 kV common mode
93927700	BDS491 CG25-/730 II S GR 60	Luminaire surge protection level until 6 kV differential mode and 8 kV common mode
20192700	BDS491 LED100-/740 I DM GRB DF-S GR CLO	Surge protection level until 10 kV
20193400	BDS491 LED10-/740 I DM GRB DF-S GR CLO S	Surge protection level until 10 kV
20329700	BDS491 LED40/730 PSU I DW DF-S GR H07 60	Luminaire surge protection level until 6 kV differential mode and 8 kV common mode
20195800	BDS491 LED70-/830 I S GRB GR 60	Luminaire surge protection level until 6 kV differential mode and 8 kV common mode
20201600	BDS491 LED30-/830 II DM GRB GR 60	Luminaire surge protection level until 6 kV differential mode and 8 kV common mode
20327300	BDS491 LED20/722 PSU II DM GRB GR H07 60	Luminaire surge protection level until 6 kV differential mode and 8 kV common mode

## Operating and Electrical

Order Code	Full Product Name	Driver current
93926000	BDS491 CG25-/740 II A GR H07RN-PX1.5 60	380 mA
93927700	BDS491 CG25-/730 II S GR 60	447 mA
20192700	BDS491 LED100-/740 I DM GRB DF-S GR CLO	-
20193400	BDS491 LED10-/740 I DM GRB DF-S GR CLO S	-

Order Code	Full Product Name	Driver current
20329700	BDS491 LED40/730 PSU I DW DF-S GR H07 60	-
20195800	BDS491 LED70-/830 I S GRB GR 60	-
20201600	BDS491 LED30-/830 II DM GRB GR 60	-
20327300	BDS491 LED20/722 PSU II DM GRB GR H07 60	-

## General Information (1/2)

Order Code	Full Product Name	Light source color	Gear	Glow- wire test	Lamp family code
93926000	BDS491 CG25-/740 II A GR H07RN-PX1.5 60	740 neutral white	EB	650/5	CG25
93927700	BDS491 CG25-/730 II S GR 60	730 warm white	EB	650/5	CG25
20192700	BDS491 LED100-/740 I DM GRB DF-S GR CLO	740 neutral white	-	-	LED100
20193400	BDS491 LED10-/740 I DM GRB DF-S GR CLO S	740 neutral white	-	-	LED10

Order Code	Full Product Name	Light source color	Gear	Glow- wire test	Lamp family code
20329700	BDS491 LED40/730 PSU I DW DF-S GR H07 60	730 warm white	-	-	LED40
20195800	BDS491 LED70-/830 I S GRB GR 60	830 warm white	-	-	LED70
20201600	BDS491 LED30-/830 II DM GRB GR 60	830 warm white	-	-	LED30
20327300	BDS491 LED20/722 PSU II DM GRB GR H07 60	722 warm white	-	-	LED20

## General Information (2/2)

Order Code	Full Product Name	Lamp version	Number of light sources	Optic type	Optical element	Service tag	UL mark
93926000	BDS491 CG25-/740 II A GR H07RN-PX1.5 60	-	15	Asymmetrical	-	-	-
93927700	BDS491 CG25-/730 II S GR 60	-	15	Symmetrical	-	-	-
20192700	BDS491 LED100-/740 I DM GRB DF-S GR CLO	-	-	Distribution medium	-	Yes	-
20193400	BDS491 LED10-/740 I DM GRB DF-S GR CLO S	-	-	Distribution medium	-	Yes	-
20329700	BDS491 LED40/730 PSU I DW DF-S GR H07 60	4S	-	Distribution wide	DF-S	Yes	-
20195800	BDS491 LED70-/830 I S GRB GR 60	-	-	Symmetrical	-	Yes	-
20201600	BDS491 LED30-/830 II DM GRB GR 60	-	-	Distribution medium	-	Yes	-
20327300	BDS491 LED20/722 PSU II DM GRB GR H07 60	4S	-	Distribution medium	-	Yes	-

## Initial Performance (IEC Compliant)

Order Code	Full Product Name	Init. Corr. Color Temperature	Init. Color 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
20192700	BDS491 LED100-/740 I DM GRB DF-S GR CLO	4000 K	70	7644 lm
20193400	BDS491 LED10-/740 I DM GRB DF-S GR CLO S	4000 K	70	803.6 lm

Order Code	Full Product Name	Init. Corr. Color Temperature	Init. Color Rendering Index	Initial luminous flux
20329700	BDS491 LED40/730 PSU I DW DF-S GR H07 60	3000 K	70	3240 lm
20195800	BDS491 LED70-/830 I S GRB GR 60	3000 K	80	5670 lm
20201600	BDS491 LED30-/830 II DM GRB GR 60	3000 K	80	2400 lm
20327300	BDS491 LED20/722 PSU II DM GRB GR H07 60	2200 K	70	1600 lm

## Light Technical

## CityCharm Cone

Order Code	Full Product Name	Scotopic/ photopic lumen ratio	Upward light output ratio
93926000	BDS491 CG25-/740 II A GR H07RN-PX1.5 60	1.24	0.03
93927700	BDS491 CG25-/730 II S GR 60	1.24	0.03
20192700	BDS491 LED100-/740 I DM GRB DF-S GR CLO	-	0.0351
20193400	BDS491 LED10-/740 I DM GRB DF-S GR CLO S	-	0.0307

Order Code	Full Product Name	Scotopic/ photopic lumen ratio	Upward light output ratio
20329700	BDS491 LED40/730 PSU I DW DF-S GR H07 60	-	0.0322
20195800	BDS491 LED70-/830 I S GRB GR 60	-	0.0136
20201600	BDS491 LED30-/830 II DM GRB GR 60	-	0.03
20327300	BDS491 LED20/722 PSU II DM GRB GR H07 60	-	0.0261

