



CityCharm Cordoba - combining ambiance and optimum performance

CityCharm Cordoba

CityCharm Cordoba 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 (Cordoba and Cone) 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

Application

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

Specifications

Type	BDS490
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: 0.1124 m
Accessories	JDP490 (CityCharm post-top bracket) JPP490 (CityCharm bracket) YHM490 (CityCharm pole)

Versions



CityCharm Cordoba BDS490
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ClearGuide



CityCharm Cordoba BDS490
urban-lighting luminaire, with dark
grey inner part and with the
'gentle beam' diffusing plate.

CityCharm Cordoba

Versions



CityCharm Cordoba BDS490 urban-lighting luminaire, with dark grey inner part and without the standard diffusing plate.

Product details



CityCharm_Cordoba-BDS490_DGR-DP01.tif



CityCharm_Cordoba_Cone-BDS490_BDS491_DGR-DP02.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 BDS490

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)
93922200	BDS490 CG20-/730 II S GR CLO C6K FQQ-PX1	Luminaire surge protection level until 6 kV differential mode and 8 kV common mode
20188000	BDS490 LED20-/740 I DM GRB DF-S GR CLO S	Surge protection level until 10 kV
20189700	BDS490 LED50-/740 I DM GRB DF-S GR CLO S	Surge protection level until 10 kV
20191000	BDS490 LED100-/740 I DM GRB DF-S GR CLO	Surge protection level until 10 kV
20194100	BDS490 LED80-/830 I S GRB GR 60	Luminaire surge protection level until 6 kV differential mode and 8 kV common mode
20196500	BDS490 LED50-/830 II DM GRB GR 60	Luminaire surge protection level until 6 kV differential mode and 8 kV common mode
20197200	BDS490 LED70-/830 II DM GRB GR 60	Luminaire surge protection level until 6 kV differential mode and 8 kV common mode
20328000	BDS490 LED50/727 PSD-SR II DM GR SRT 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
93922200	BDS490 CG20-/730 II S GR CLO C6K FQQ-PX1	344 mA
20188000	BDS490 LED20-/740 I DM GRB DF-S GR CLO S	-
20189700	BDS490 LED50-/740 I DM GRB DF-S GR CLO S	-
20191000	BDS490 LED100-/740 I DM GRB DF-S GR CLO	-

Order Code	Full Product Name	Driver current
20194100	BDS490 LED80-/830 I S GRB GR 60	-
20196500	BDS490 LED50-/830 II DM GRB GR 60	-
20197200	BDS490 LED70-/830 II DM GRB GR 60	-
20328000	BDS490 LED50/727 PSD-SR II DM GR SRT 60	-

General Information (1/2)

Order Code	Full Product Name	Coating	Light source		Glow-	
			color	Gear	wire test	
93922200	BDS490 CG20-/730 II S GR CLO C6K FQQ-PX1	-	730 warm white	EB	650/5	
20188000	BDS490 LED20-/740 I DM GRB DF-S GR CLO S	-	740 neutral white	-	-	
20189700	BDS490 LED50-/740 I DM GRB DF-S GR CLO S	-	740 neutral white	-	-	
20191000	BDS490 LED100-/740 I DM GRB DF-S GR CLO	-	740 neutral white	-	-	

Order Code	Full Product Name	Coating	Light source		Glow-	
			color	Gear	wire test	
20194100	BDS490 LED80-/830 I S GRB GR 60	-	830 warm white	-	-	
20196500	BDS490 LED50-/830 II DM GRB GR 60	-	830 warm white	-	-	
20197200	BDS490 LED70-/830 II DM GRB GR 60	-	830 warm white	-	-	
20328000	BDS490 LED50/727 PSD-SR II DM GR SRT 60	-	727 warm white	-	-	

General Information (2/2)

Order Code	Full Product Name	Lamp family code	Lamp version	Number of light sources	Optic type	Service tag	UL mark
93922200	BDS490 CG20-/730 II S GR CLO C6K FQQ-PX1	CG20	-	15	Symmetrical	-	-
20188000	BDS490 LED20-/740 I DM GRB DF-S GR CLO S	LED20	-	-	Distribution medium	Yes	-
20189700	BDS490 LED50-/740 I DM GRB DF-S GR CLO S	LED50	-	-	Distribution medium	Yes	-
20191000	BDS490 LED100-/740 I DM GRB DF-S GR CLO	LED100	-	-	Distribution medium	Yes	-
20194100	BDS490 LED80-/830 I S GRB GR 60	LED80	-	-	Symmetrical	Yes	-
20196500	BDS490 LED50-/830 II DM GRB GR 60	LED50	-	-	Distribution medium	Yes	-
20197200	BDS490 LED70-/830 II DM GRB GR 60	LED70	-	-	Distribution medium	Yes	-
20328000	BDS490 LED50/727 PSD-SR II DM GR SRT 60	LED50	4S	-	Distribution medium	Yes	-

Initial Performance (IEC Compliant)

Order Code	Full Product Name	Init. Color		Initial luminous flux
		Init. Corr. Color Temperature	Rendering Index	
93922200	BDS490 CG20-/730 II S GR CLO C6K FQQ-PX1	3000 K	≥70	1696 lm
20188000	BDS490 LED20-/740 I DM GRB DF-S GR CLO S	4000 K	70	1579.5 lm
20189700	BDS490 LED50-/740 I DM GRB DF-S GR CLO S	4000 K	70	3822 lm
20191000	BDS490 LED100-/740 I DM GRB DF-S GR CLO	4000 K	70	7546 lm

Order Code	Full Product Name	Init. Color		Initial luminous flux
		Init. Corr. Color Temperature	Rendering Index	
20194100	BDS490 LED80-/830 I S GRB GR 60	3000 K	80	6480 lm
20196500	BDS490 LED50-/830 II DM GRB GR 60	3000 K	80	3900 lm
20197200	BDS490 LED70-/830 II DM GRB GR 60	3000 K	80	5460 lm
20328000	BDS490 LED50/727 PSD-SR II DM GR SRT 60	2700 K	70	3900 lm

Light Technical

Order Code	Full Product Name	Scotopic/ photopic lumen ratio	Upward light output ratio
93922200	BDS490 CG20-/730 II S GR CLO C6K FQQ- PX1	1.24	0.03
20188000	BDS490 LED20-/740 I DM GRB DF-S GR CLO S	-	0.034
20189700	BDS490 LED50-/740 I DM GRB DF-S GR CLO S	-	0.0293
20191000	BDS490 LED100-/740 I DM GRB DF-S GR CLO	-	0.032

Order Code	Full Product Name	Scotopic/ photopic lumen ratio	Upward light output ratio
20194100	BDS490 LED80-/830 I S GRB GR 60	-	0.0142
20196500	BDS490 LED50-/830 II DM GRB GR 60	-	0.0293
20197200	BDS490 LED70-/830 II DM GRB GR 60	-	0.0278
20328000	BDS490 LED50/727 PSD-SR II DM GR SRT 60	-	0.0282

