



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

Versions



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



CityCharm Cordoba

Versions



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



CityCharm Cordoba BDS490 urban-lighting luminaire with ClearGuide

Product details



Back louvre accessory (separated/ exploded view).



Back louvre accessory (fixed together).



CityCharm Cordoba BDS490 fits on any standard pole.



CityCharm Cordoba BDS490 comes with various colored inner parts, creating different day-night appearances, here in blue.



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
ENEC mark	ENEC mark
Flammability mark	NO
Gear	EB
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°
Upward light output ratio	0.03
Mechanical and Housing	
Colour	Gray

Approval and Application

Order Code	Full Product Name	Surge Protection (Common/Differential)
92118000	BDS490 GRN30-/830 II DM GRB GR C4K 60	-
92119700	BDS490 GRN40-/830 II DM GRB GR C4K 60	-
92120300	BDS490 GRN70-/830 II DM GRB GR C4K 60	-
92146300	BDS490 GRN60-/740 I DM GRB GR CLO SRG10	Surge protection level until 10 kV
92153100	BDS490 GRN80-/830 I S GRB GR 60	-
92163000	BDS490 GRN50-/830 II DM GRB GR 60	-
92164700	BDS490 GRN70-/830 II DM GRB GR 60	-
92165400	BDS490 GRN30-/740 II DM GRB GR 60	-
92166100	BDS490 GRN50-/740 II DM GRB GR 60	-
92167800	BDS490 GRN70-/740 II DM GRB GR 60	-
92121000	BDS490 GRN40-/830 II S GRB DF GR C4K 60	-
92141800	BDS490 GRN20-/740 I DM GRB DF-S GR CLO S	Surge protection level until 10 kV
92145600	BDS490 GRN50-/740 I DM GRB DF-S GR CLO S	Surge protection level until 10 kV
92150000	BDS490 GRN100-/740 I DM GRB DF-S GR CLO	Surge protection level until 10 kV
93920800	BDS490 CG25-/730 II A GR D11 76	-
93922200	BDS490 CG20-/730 II S GR CLO C6K FQQ-PX1	-
93923900	BDS490 CG25-/730 II S GR CLO C6K FQQ-PX1	-
93924600	BDS490 CG30-/730 II S GR CLO C6K FQQ-PX1	-

Operating and Electrical

Order Code	Full Product Name	Driver current	Order Code	Full Product Name	Driver current
92118000	BDS490 GRN30-/830 II DM GRB GR C4K 60	375 mA	92167800	BDS490 GRN70-/740 II DM GRB GR 60	405 mA
92119700	BDS490 GRN40-/830 II DM GRB GR C4K 60	520 mA	92121000	BDS490 GRN40-/830 II S GRB DF GR C4K 60	520 mA
92120300	BDS490 GRN70-/830 II DM GRB GR C4K 60	445 mA	92141800	BDS490 GRN20-/740 I DM GRB DF-S GR CLO S	605 mA
92146300	BDS490 GRN60-/740 I DM GRB GR CLO SRG10	335 mA	92145600	BDS490 GRN50-/740 I DM GRB DF-S GR CLO S	610 mA
92153100	BDS490 GRN80-/830 I S GRB GR 60	520 mA	92150000	BDS490 GRN100-/740 I DM GRB DF-S GR CLO	605 mA
92163000	BDS490 GRN50-/830 II DM GRB GR 60	670 mA	93920800	BDS490 CG25-/730 II A GR D11 76	447 mA
92164700	BDS490 GRN70-/830 II DM GRB GR 60	445 mA	93922200	BDS490 CG20-/730 II S GR CLO C6K FQQ-PX1	344 mA
92165400	BDS490 GRN30-/740 II DM GRB GR 60	340 mA	93923900	BDS490 CG25-/730 II S GR CLO C6K FQQ-PX1	447 mA
92166100	BDS490 GRN50-/740 II DM GRB GR 60	610 mA	93924600	BDS490 CG30-/730 II S GR CLO C6K FQQ-PX1	553 mA

General Information (1/2)

Order Code	Full Product Name	Coating	Light source colour	Glow-wire test	Lamp family code	Order Code	Full Product Name	Coating	Light source colour	Glow-wire test	Lamp family code
92118000	BDS490 GRN30-/830 II DM GRB GR C4K 60	-	830 warm white	650/30	GRN30	92120300	BDS490 GRN70-/830 II DM GRB GR C4K 60	-	830 warm white	650/30	GRN70
92119700	BDS490 GRN40-/830 II DM GRB GR C4K 60	-	830 warm white	650/30	GRN40	92146300	BDS490 GRN60-/740 I DM GRB GR CLO SRG10	-	740 neutral white	650/30	GRN60

Order Code	Full Product Name	Coating	Light source colour	Glow-wire test	Lamp family code
92153100	BDS490 GRN80-/830 I S GRB GR 60	-	830 warm white	650/30	GRN80
92163000	BDS490 GRN50-/830 II DM GRB GR 60	-	830 warm white	650/30	GRN50
92164700	BDS490 GRN70-/830 II DM GRB GR 60	-	830 warm white	650/30	GRN70
92165400	BDS490 GRN30-/740 II DM GRB GR 60	-	740 neutral white	650/30	GRN30
92166100	BDS490 GRN50-/740 II DM GRB GR 60	-	740 neutral white	650/30	GRN50
92167800	BDS490 GRN70-/740 II DM GRB GR 60	-	740 neutral white	650/30	GRN70
92121000	BDS490 GRN40-/830 II S GRB DF GR C4K 60	-	830 warm white	650/30	GRN40

Order Code	Full Product Name	Coating	Light source colour	Glow-wire test	Lamp family code
92141800	BDS490 GRN20-/740 I DM GRB DF-S GR CLO S	-	740 neutral white	650/30	GRN20
92145600	BDS490 GRN50-/740 I DM GRB DF-S GR CLO S	-	740 neutral white	650/30	GRN50
92150000	BDS490 GRN100-/740 I DM GRB DF-S GR CLO	-	740 neutral white	650/30	GRN100
93920800	BDS490 CG25-/730 II A GR D11 76	-	730 warm white	650/5	CG25
93922200	BDS490 CG20-/730 II S GR CLO C6K FQQ-PX1	-	730 warm white	650/5	CG20
93923900	BDS490 CG25-/730 II S GR CLO C6K FQQ-PX1	-	730 warm white	650/5	CG25
93924600	BDS490 CG30-/730 II S GR CLO C6K FQQ-PX1	-	730 warm white	650/5	CG30

General Information (2/2)

Order Code	Full Product Name	Number of light sources	Optic type	Optical element	UL mark
92118000	BDS490 GRN30-/830 II DM GRB GR C4K 60	20	Distribution medium	No	-
92119700	BDS490 GRN40-/830 II DM GRB GR C4K 60	20	Distribution medium	No	-
92120300	BDS490 GRN70-/830 II DM GRB GR C4K 60	40	Distribution medium	No	-
92146300	BDS490 GRN60-/740 I DM GRB GR CLO SRG10	40	Distribution medium	No	-
92153100	BDS490 GRN80-/830 I S GRB GR 60	40	Symmetrical	No	-
92163000	BDS490 GRN50-/830 II DM GRB GR 60	20	Distribution medium	No	-
92164700	BDS490 GRN70-/830 II DM GRB GR 60	40	Distribution medium	No	-
92165400	BDS490 GRN30-/740 II DM GRB GR 60	20	Distribution medium	No	-
92166100	BDS490 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
92167800	BDS490 GRN70-/740 II DM GRB GR 60	40	Distribution medium	No	-
92121000	BDS490 GRN40-/830 II S GRB DF GR C4K 60	20	Symmetrical	DF	-
92141800	BDS490 GRN20-/740 I DM GRB DF-S GR CLO S	8	Distribution medium	DF-S	-
92145600	BDS490 GRN50-/740 I DM GRB DF-S GR CLO S	20	Distribution medium	DF-S	-
92150000	BDS490 GRN100-/740 I DM GRB DF-S GR CLO	40	Distribution medium	DF-S	-
93920800	BDS490 CG25-/730 II A GR D11 76	15	Asymmetrical	-	-
93922200	BDS490 CG20-/730 II S GR CLO C6K FQQ-PX1	15	Symmetrical	-	-
93923900	BDS490 CG25-/730 II S GR CLO C6K FQQ-PX1	15	Symmetrical	-	-
93924600	BDS490 CG30-/730 II S GR CLO C6K FQQ-PX1	15	Symmetrical	-	-

Initial Performance (IEC Compliant)

Order Code	Full Product Name	Init. Corr. Colour Temperature	Init. Colour Rendering Index	Initial luminous flux
92118000	BDS490 GRN30-/830 II DM GRB GR C4K 60	3000 K	≥80	2567 lm
92119700	BDS490 GRN40-/830 II DM GRB GR C4K 60	3000 K	≥80	3400 lm

Order Code	Full Product Name	Init. Corr. Colour Temperature	Init. Colour Rendering Index	Initial luminous flux
92120300	BDS490 GRN70-/830 II DM GRB GR C4K 60	3000 K	≥80	5938 lm
92146300	BDS490 GRN60-/740 I DM GRB GR CLO SRG10	4000 K	≥70	5092 lm

Order Code	Full Product Name	Init. Corr. Colour Temperature	Init. Colour Rendering Index	Initial luminous flux
92153100	BDS490 GRN80-/830 I S GRB GR 60	3000 K	≥80	6801 lm
92163000	BDS490 GRN50-/830 II DM GRB GR 60	3000 K	≥80	4263 lm
92164700	BDS490 GRN70-/830 II DM GRB GR 60	3000 K	≥80	5938 lm
92165400	BDS490 GRN30-/740 II DM GRB GR 60	4000 K	≥70	2577 lm
92166100	BDS490 GRN50-/740 II DM GRB GR 60	4000 K	≥70	4278 lm
92167800	BDS490 GRN70-/740 II DM GRB GR 60	4000 K	≥70	5974 lm
92121000	BDS490 GRN40-/830 II S GRB DF GR C4K 60	3000 K	≥80	3400 lm

Order Code	Full Product Name	Init. Corr. Colour Temperature	Init. Colour Rendering Index	Initial luminous flux
92141800	BDS490 GRN20-/740 I DM GRB DF-S GR CLO S	4000 K	≥70	1699 lm
92145600	BDS490 GRN50-/740 I DM GRB DF-S GR CLO S	4000 K	≥70	4278 lm
92150000	BDS490 GRN100-/740 I DM GRB DF-S GR CLO	4000 K	≥70	8493 lm
93920800	BDS490 CG25-/730 II A GR D11 76	3000 K	≥70	2117 lm
93922200	BDS490 CG20-/730 II S GR CLO C6K FQQ-PX1	3000 K	≥70	1696 lm
93923900	BDS490 CG25-/730 II S GR CLO C6K FQQ-PX1	3000 K	≥70	2117 lm
93924600	BDS490 CG30-/730 II S GR CLO C6K FQQ-PX1	3000 K	≥70	2543 lm

Light Technical

Order Code	Full Product Name	Scotopic/photopic lumen ratio
92118000	BDS490 GRN30-/830 II DM GRB GR C4K 60	-
92119700	BDS490 GRN40-/830 II DM GRB GR C4K 60	-
92120300	BDS490 GRN70-/830 II DM GRB GR C4K 60	-
92146300	BDS490 GRN60-/740 I DM GRB GR CLO SRG10	-
92153100	BDS490 GRN80-/830 I S GRB GR 60	-
92163000	BDS490 GRN50-/830 II DM GRB GR 60	-
92164700	BDS490 GRN70-/830 II DM GRB GR 60	-
92165400	BDS490 GRN30-/740 II DM GRB GR 60	-
92166100	BDS490 GRN50-/740 II DM GRB GR 60	-

Order Code	Full Product Name	Scotopic/photopic lumen ratio
92167800	BDS490 GRN70-/740 II DM GRB GR 60	-
92121000	BDS490 GRN40-/830 II S GRB DF GR C4K 60	-
92141800	BDS490 GRN20-/740 I DM GRB DF-S GR CLO S	-
92145600	BDS490 GRN50-/740 I DM GRB DF-S GR CLO S	-
92150000	BDS490 GRN100-/740 I DM GRB DF-S GR CLO	-
93920800	BDS490 CG25-/730 II A GR D11 76	1.24
93922200	BDS490 CG20-/730 II S GR CLO C6K FQQ-PX1	1.24
93923900	BDS490 CG25-/730 II S GR CLO C6K FQQ-PX1	1.24
93924600	BDS490 CG30-/730 II S GR CLO C6K FQQ-PX1	1.24

