



CityCharm Cordoba - Combining visual comfort and performance

CityCharm Cordoba

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

CityCharm Cordoba

Versions



CityCharm Cordoba BDS490
urban-lighting luminaire with
ClearGuide



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 dark
grey inner part and without the
standard diffusing plate.



CityCharm Cordoba - LED module
5000 lm - LED - 4th generation,
screw fixation - 730 warm white -
Power supply unit regulating - 220
to 240 V - 50 to 60 Hz - Safety
class II - Symmetrical -
Polycarbonate bowl/cover - Gray -
Luminaire surge protection level
until 6 kV differential mode and 8
kV common mode - Cable 0.2 m
without plug - Spigot for diameter
60 mm

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	Polycarbonate bowl/cover
Driver included	Yes
Flammability mark	-
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

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Order Code	Full Product Name	Driver failure rate at 5000 h
910505017425	BDS490 CG25-/730 II A GR D11 76	0.05 %
910505017427	BDS490 CG20-/730 II S GR CLO C6K FQ-Q-PX1	0.05 %
910505017428	BDS490 CG25-/730 II S GR CLO C6K FQ-Q-PX1	0.05 %
910505017429	BDS490 CG30-/730 II S GR CLO C6K FQ-Q-PX1	0.05 %
912300024680	BDS490 LED20-/740 I DM GRB DF-S GR CLO S	-
912300024681	BDS490 LED50-/740 I DM GRB DF-S GR CLO S	-
912300024683	BDS490 LED100-/740 I DM GRB DF-S GR CLO	-
912300024686	BDS490 LED80-/830 I S GRB GR 60	-
912300024688	BDS490 LED50-/830 II DM GRB GR 60	-
912300024689	BDS490 LED70-/830 II DM GRB GR 60	-
912300024720	BDS490 LED50/727 PSD-SR II DM GR SRT 60	-
912300024718	BDS490 LED50/730 PSU II SIF GR PCN 60	-

Approval and Application

Order Code	Full Product Name	Surge Protection (Common/Differential)
910505017425	BDS490 CG25-/730 II A GR D11 76	Luminaire surge protection level until 6 kV differential mode and 8 kV common mode
910505017427	BDS490 CG20-/730 II S GR CLO C6K FQ-Q-PX1	Luminaire surge protection level until 6 kV differential mode and 8 kV common mode
910505017428	BDS490 CG25-/730 II S GR CLO C6K FQ-Q-PX1	Luminaire surge protection level until 6 kV differential mode and 8 kV common mode
910505017429	BDS490 CG30-/730 II S GR CLO C6K FQ-Q-PX1	Luminaire surge protection level until 6 kV differential mode and 8 kV common mode
912300024680	BDS490 LED20-/740 I DM GRB DF-S GR CLO S	Luminaire surge protection level until 10 kV differential mode and 10 kV common mode
912300024681	BDS490 LED50-/740 I DM GRB DF-S GR CLO S	Luminaire surge protection level until 10 kV differential mode and 10 kV common mode
912300024683	BDS490 LED100-/740 I DM GRB DF-S GR CLO	Luminaire surge protection level until 10 kV differential mode and 10 kV common mode
912300024686	BDS490 LED80-/830 I S GRB GR 60	Luminaire surge protection level until 6 kV differential mode and 8 kV common mode
912300024688	BDS490 LED50-/830 II DM GRB GR 60	Luminaire surge protection level until 6 kV differential mode and 8 kV common mode
912300024689	BDS490 LED70-/830 II DM GRB GR 60	Luminaire surge protection level until 6 kV differential mode and 8 kV common mode
912300024720	BDS490 LED50/727 PSD-SR II DM GR SRT 60	Luminaire surge protection level until 6 kV differential mode and 8 kV common mode
912300024718	BDS490 LED50/730 PSU II SIF GR PCN 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
910505017425	BDS490 CG25-/730 II A GR D11 76	447 mA
910505017427	BDS490 CG20-/730 II S GR CLO C6K FQQ-PX1	344 mA
910505017428	BDS490 CG25-/730 II S GR CLO C6K FQQ-PX1	447 mA
910505017429	BDS490 CG30-/730 II S GR CLO C6K FQQ-PX1	553 mA
912300024680	BDS490 LED20-/740 I DM GRB DF-S GR CLO S	-
912300024681	BDS490 LED50-/740 I DM GRB DF-S GR CLO S	-

Order Code	Full Product Name	Driver current
912300024683	BDS490 LED100-/740 I DM GRB DF-S GR CLO	-
912300024686	BDS490 LED80-/830 I S GRB GR 60	-
912300024688	BDS490 LED50-/830 II DM GRB GR 60	-
912300024689	BDS490 LED70-/830 II DM GRB GR 60	-
912300024720	BDS490 LED50/727 PSD-SR II DM GR SRT 60	-
912300024718	BDS490 LED50/730 PSU II S1F GR PCN 60	-

General Information (1/2)

Order Code	Full Product Name	Light source		Gear	Glow-wire test
		Coating	color		
910505017425	BDS490 CG25-/730 II A GR D11 76	-	730 warm white	EB	Temperature 650 °C, duration 5 s
910505017427	BDS490 CG20-/730 II S GR CLO C6K FQQ-PX1	-	730 warm white	EB	Temperature 650 °C, duration 5 s
910505017428	BDS490 CG25-/730 II S GR CLO C6K FQQ-PX1	-	730 warm white	EB	Temperature 650 °C, duration 5 s
910505017429	BDS490 CG30-/730 II S GR CLO C6K FQQ-PX1	-	730 warm white	EB	Temperature 650 °C, duration 5 s
912300024680	BDS490 LED20-/740 I DM GRB DF-S GR CLO S	-	740 neutral white	-	-
912300024681	BDS490 LED50-/740 I DM GRB DF-S GR CLO S	-	740 neutral white	-	-

Order Code	Full Product Name	Light source		Gear	Glow-wire test
		Coating	color		
912300024683	BDS490 LED100-/740 I DM GRB DF-S GR CLO	-	740 neutral white	-	-
912300024686	BDS490 LED80-/830 I S GRB GR 60	-	830 warm white	-	-
912300024688	BDS490 LED50-/830 II DM GRB GR 60	-	830 warm white	-	-
912300024689	BDS490 LED70-/830 II DM GRB GR 60	-	830 warm white	-	-
912300024720	BDS490 LED50/727 PSD-SR II DM GR SRT 60	-	727 warm white	-	-
912300024718	BDS490 LED50/730 PSU II S1F GR PCN 60	-	730 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
910505017425	BDS490 CG25-/730 II A GR D11 76	CG25	-	15 pcs	Asymmetrical	-	-
910505017427	BDS490 CG20-/730 II S GR CLO C6K FQQ-PX1	CG20	-	15 pcs	Symmetrical	-	-
910505017428	BDS490 CG25-/730 II S GR CLO C6K FQQ-PX1	CG25	-	15 pcs	Symmetrical	-	-
910505017429	BDS490 CG30-/730 II S GR CLO C6K FQQ-PX1	CG30	-	15 pcs	Symmetrical	-	-
912300024680	BDS490 LED20-/740 I DM GRB DF-S GR CLO S	LED20	-	-	Distribution medium	Yes	-
912300024681	BDS490 LED50-/740 I DM GRB DF-S GR CLO S	LED50	-	-	Distribution medium	Yes	-
912300024683	BDS490 LED100-/740 I DM GRB DF-S GR CLO	LED100	-	-	Distribution medium	Yes	-
912300024686	BDS490 LED80-/830 I S GRB GR 60	LED80	-	-	Symmetrical	Yes	-
912300024688	BDS490 LED50-/830 II DM GRB GR 60	LED50	-	-	Distribution medium	Yes	-
912300024689	BDS490 LED70-/830 II DM GRB GR 60	LED70	-	-	Distribution medium	Yes	-
912300024720	BDS490 LED50/727 PSD-SR II DM GR SRT 60	LED50	4S	-	Distribution medium	Yes	-
912300024718	BDS490 LED50/730 PSU II S1F GR PCN 60	LED50	4S	-	Symmetrical	Yes	-

Initial Performance (IEC Compliant)

Order Code	Full Product Name	Init. Corr. Color Temperature	Init. Color Rendering Index	Initial luminous flux
910505017425	BDS490 CG25-/730 II A GR D11 76	3000 K	≥70	2117 lm
910505017427	BDS490 CG20-/730 II S GR CLO C6K FQQ-PX1	3000 K	≥70	1696 lm
910505017428	BDS490 CG25-/730 II S GR CLO C6K FQQ-PX1	3000 K	≥70	2117 lm
910505017429	BDS490 CG30-/730 II S GR CLO C6K FQQ-PX1	3000 K	≥70	2543 lm
912300024680	BDS490 LED20-/740 I DM GRB DF-S GR CLO S	4000 K	70	1579.5 lm
912300024681	BDS490 LED50-/740 I DM GRB DF-S GR CLO S	4000 K	70	3822 lm

Order Code	Full Product Name	Init. Corr. Color Temperature	Init. Color Rendering Index	Initial luminous flux
912300024683	BDS490 LED100-/740 I DM GRB DF-S GR CLO	4000 K	70	7546 lm
912300024686	BDS490 LED80-/830 I S GRB GR 60	3000 K	80	6400 lm
912300024688	BDS490 LED50-/830 II DM GRB GR 60	3000 K	80	3900 lm
912300024689	BDS490 LED70-/830 II DM GRB GR 60	3000 K	80	5460 lm
912300024720	BDS490 LED50/727 PSD-SR II DM GR SRT 60	2700 K	70	3900 lm
912300024718	BDS490 LED50/730 PSU II S1F GR PCN 60	3000 K	70	4100 lm

Light Technical

Order Code	Full Product Name	Scotopic/ photopic lumen ratio	Upward light output ratio
910505017425	BDS490 CG25-/730 II A GR D11 76	1.24	0.03
910505017427	BDS490 CG20-/730 II S GR CLO C6K FQQ-PX1	1.24	0.03
910505017428	BDS490 CG25-/730 II S GR CLO C6K FQQ-PX1	1.24	0.03
910505017429	BDS490 CG30-/730 II S GR CLO C6K FQQ-PX1	1.24	0.03
912300024680	BDS490 LED20-/740 I DM GRB DF-S GR CLO S	-	0.034
912300024681	BDS490 LED50-/740 I DM GRB DF-S GR CLO S	-	0.0293

Order Code	Full Product Name	Scotopic/ photopic lumen ratio	Upward light output ratio
912300024683	BDS490 LED100-/740 I DM GRB DF-S GR CLO	-	0.032
912300024686	BDS490 LED80-/830 I S GRB GR 60	-	0.0142
912300024688	BDS490 LED50-/830 II DM GRB GR 60	-	0.0293
912300024689	BDS490 LED70-/830 II DM GRB GR 60	-	0.0278
912300024720	BDS490 LED50/727 PSD-SR II DM GR SRT 60	-	0.0282
912300024718	BDS490 LED50/730 PSU II S1F GR PCN 60	-	0.0059

