



CityCharm: combining visual comfort and performance

CityCharm Cordoba

The CityCharm range is designed for use in urban areas where comfortable lighting, ambience, and design play an important role. It offers three iconic, timeless designs: CityCharm cordoba (BDS490), CityCharm cone (BDS491), and CityCharm fluid (BDS492) along with a range of decorative and practical accessories. This enables you to create a lighting solution that carries the signature of your municipality, both by day and by night. Whether you specify cordoba, cone or fluid LED lights, CityCharm provides high visual comfort while maintaining excellent performance. It offers a choice of two innovative Lighting technologies: GentleBeam, which maximizes visual comfort, or ClearGuide (cordoba or cone), which optimizes vertical illumination and visual guidance. To personalize your CityCharm lighting solution further, decorative accessories for this range make it possible to define the volume of the bowl and change its appearance. To personalize your CityCharm lighting solution further, decorative accessories for this range make it possible to define the volume of the bowl and change its appearance. A variety of dedicated brackets and masts are also available to enable you to reshape your residential areas and city centers in the most elegant way imaginable.

Benefits

- Choice of luminaire shapes, color effects, poles and brackets
- Diffusing tools for visual comfort, colored inserts to enhance ambiance
- Wide range of lumen outputs and optics for maximum efficiency at all lighting levels
- Choice of color temperatures and color rendering for different ambiances: 2200K, 2700K, 3000K and 4000K
- Efficacy up to 144 lm/W
- Cordoba and fluid versions available with ULR < 1%
- Lifetime up to 100,000 hours @L96 B10
- 5-year standard warranty (option to extend up to 10 years)

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 standard and advanced lighting systems and CityTouch-ready
- Easy on-site maintenance of the driver

Application

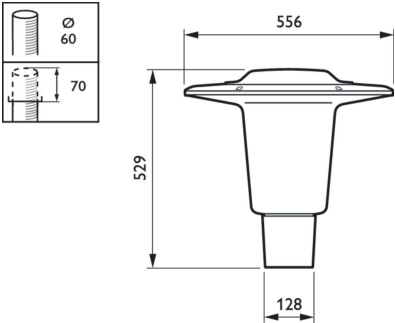
- Residential
- Footpaths and cycle lanes
- Parks and boulevards

Versions



OPPR BDS490i 0031 BLACK ARMS

Dimensional drawing



Product details



CityCharm_Cordoba-
BDS490_DGR-DP01.tif



CityCharm_Cordoba_Cone-
BDS490_BDS491_DGR-DP02.tif

General Information	
Driver included	Yes
Light source replaceable	Yes
Number of gear units	1 unit
Service tag	Yes
Light Technical	
Luminaire light beam spread	360°
Controls and Dimming	
Maximum dim level	Not applicable
Mechanical and Housing	
Optical cover type	Polycarbonate bowl/cover
Housing Color	Gray
Mech. impact protection code	IK10
Ingress protection code	IP66
Standard tilt angle side entry	0°
Standard tilt angle posttop	0°
Approval and Application	
CE mark	Yes
Flammability mark	-
Product Data	
Product family code	BDS490

General Information

Order Code	Full Product Name	Gear	Lamp family code
910505017425	BDS490 CG25-/730 II A GR D11 76	EB	CG25
910505017427	BDS490 CG20-/730 II S GR CLO C6K FQQ-PX1	EB	CG20
910505017428	BDS490 CG25-/730 II S GR CLO C6K FQQ-PX1	EB	CG25
910505017429	BDS490 CG30-/730 II S GR CLO C6K FQQ-PX1	EB	CG30
912300024680	BDS490 LED20-/740 I DM GRB DF-S GR CLO S	-	LED20
912300024681	BDS490 LED50-/740 I DM GRB DF-S GR CLO S	-	LED50
912300024683	BDS490 LED100-/740 I DM GRB DF-S GR CLO	-	LED100
912300024686	BDS490 LED80-/830 I S GRB GR 60	-	LED80
912300024688	BDS490 LED50-/830 II DM GRB GR 60	-	LED50
912300024689	BDS490 LED70-/830 II DM GRB GR 60	-	LED70
912300024720	BDS490 LED50/727 PSD-SR II DM GR SRT 60	-	LED50
912300024718	BDS490 LED50/730 PSU II S1F GR PCN 60	-	LED50

Light Technical (1/2)

Order Code	Full Product Name	Light source color	Correlated Color Temperature (Nom)	Color rendering index (CRI)	Luminous Flux
910505017425	BDS490 CG25-/730 II A GR D11 76	warm white	3000 K	70	2,117 lm
910505017427	BDS490 CG20-/730 II S GR CLO C6K FQQ-PX1	warm white	3000 K	70	1,696 lm
910505017428	BDS490 CG25-/730 II S GR CLO C6K FQQ-PX1	warm white	3000 K	70	2,117 lm
910505017429	BDS490 CG30-/730 II S GR CLO C6K FQQ-PX1	warm white	3000 K	70	2,543 lm
912300024680	BDS490 LED20-/740 I DM GRB DF-S GR CLO S	neutral white	4000 K	70	1,579.5 lm

Order Code	Full Product Name	Light source color	Correlated Color Temperature (Nom)	Color rendering index (CRI)	Luminous Flux
912300024681	BDS490 LED50-/740 I DM GRB DF-S GR CLO S	neutral white	4000 K	70	3,822 lm
912300024683	BDS490 LED100-/740 I DM GRB DF-S GR CLO	neutral white	4000 K	70	7,546 lm
912300024686	BDS490 LED80-/830 I S GRB GR 60	warm white	3000 K	80	6,400 lm
912300024688	BDS490 LED50-/830 II DM GRB GR 60	warm white	3000 K	80	3,900 lm
912300024689	BDS490 LED70-/830 II DM GRB GR 60	warm white	3000 K	80	5,400 lm
912300024720	BDS490 LED50/727 PSD-SR II DM GR SRT 60	warm white	2700 K	70	3,900 lm

Order Code	Full Product Name	Light source	Correlated Color Temperature (Nom)	Color rendering index (CRI)	Luminous Flux
		color			
912300024718	SR II DM GR SRT 60				
	BDS490	730	3000 K	70	4,100 lm
	LED50/730 PSU II S1F GR PCN 60	warm white			

Light Technical (2/2)

Order Code	Full Product Name	Number of light sources	Optic type outdoor	Upward light output ratio
910505017425	BDS490 CG25-/730 II A GR D11 76	15	Asymmetrical	0.03
910505017427	BDS490 CG20-/730 II S GR CLO C6K FQq-PX1	15	Symmetrical	0.03
910505017428	BDS490 CG25-/730 II S GR CLO C6K FQq-PX1	15	Symmetrical	0.03
910505017429	BDS490 CG30-/730 II S GR CLO C6K FQq-PX1	15	Symmetrical	0.03
912300024680	BDS490 LED20-/740 I DM GRB DF-S GR CLO S	-	Distribution medium	0.034
912300024681	BDS490 LED50-/740 I DM GRB DF-S GR CLO S	-	Distribution medium	0.0293

Order Code	Full Product Name	Number of light sources	Optic type outdoor	Upward light output ratio
912300024683	BDS490 LED100-/740 I DM GRB DF-S GR CLO	-	Distribution medium	0.032
912300024686	BDS490 LED80-/830 I S GRB GR 60	-	Symmetrical	0.0142
912300024688	BDS490 LED50-/830 II DM GRB GR 60	-	Distribution medium	0.0293
912300024689	BDS490 LED70-/830 II DM GRB GR 60	-	Distribution medium	0.0278
912300024720	BDS490 LED50/727 PSD-SR II DM GR SRT 60	-	Distribution medium	0.0282
912300024718	BDS490 LED50/730 PSU II S1F GR PCN 60	-	Symmetrical	0.0059

Operating and Electrical

Order Code	Full Product Name	Power Consumption	Surge Protection (Common/Differential)
910505017425	BDS490 CG25-/730 II A GR D11 76	22 W	Surge protection level until 6 kV differential mode and 8 kV common mode
910505017427	BDS490 CG20-/730 II S GR CLO C6K FQq-PX1	18 W	Surge protection level until 6 kV differential mode and 8 kV common mode
910505017428	BDS490 CG25-/730 II S GR CLO C6K FQq-PX1	22 W	Surge protection level until 6 kV differential mode and 8 kV common mode
910505017429	BDS490 CG30-/730 II S GR CLO C6K FQq-PX1	22.5 W	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	12.8 W	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	30.5 W	Surge protection level until 10 kV differential mode and 10 kV common mode

Order Code	Full Product Name	Power Consumption	Surge Protection (Common/Differential)
912300024683	BDS490 LED100-/740 I DM GRB DF-S GR CLO	58 W	Surge protection level until 10 kV differential mode and 10 kV common mode
912300024686	BDS490 LED80-/830 I S GRB GR 60	61 W	Surge protection level until 6 kV differential mode and 8 kV common mode
912300024688	BDS490 LED50-/830 II DM GRB GR 60	40.5 W	Surge protection level until 6 kV differential mode and 8 kV common mode
912300024689	BDS490 LED70-/830 II DM GRB GR 60	53 W	Surge protection level until 6 kV differential mode and 8 kV common mode
912300024720	BDS490 LED50/727 PSD-SR II DM GR SRT 60	37.5 W	Surge protection level until 6 kV differential mode and 8 kV common mode
912300024718	BDS490 LED50/730 PSU II S1F GR PCN 60	33.5 W	Surge protection level until 6 kV differential mode and 8 kV common mode

Controls and Dimming

Order Code	Full Product Name	Dimmable
910505017425	BDS490 CG25-/730 II A GR D11 76	No
910505017427	BDS490 CG20-/730 II S GR CLO C6K FQQ-PX1	No
910505017428	BDS490 CG25-/730 II S GR CLO C6K FQQ-PX1	No
910505017429	BDS490 CG30-/730 II S GR CLO C6K FQQ-PX1	No
912300024680	BDS490 LED20-/740 I DM GRB DF-S GR CLO S	No
912300024681	BDS490 LED50-/740 I DM GRB DF-S GR CLO S	No

Order Code	Full Product Name	Dimmable
912300024683	BDS490 LED100-/740 I DM GRB DF-S GR CLO	No
912300024686	BDS490 LED80-/830 I S GRB GR 60	No
912300024688	BDS490 LED50-/830 II DM GRB GR 60	No
912300024689	BDS490 LED70-/830 II DM GRB GR 60	No
912300024720	BDS490 LED50/727 PSD-SR II DM GR SRT 60	Yes
912300024718	BDS490 LED50/730 PSU II S1F GR PCN 60	No

Approval and Application

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

Order Code	Full Product Name	Glow-wire test
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 S1F GR PCN 60	-

Over Time Performance (IEC Compliant)

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 FQQ-PX1	0.05 %
910505017428	BDS490 CG25-/730 II S GR CLO C6K FQQ-PX1	0.05 %
910505017429	BDS490 CG30-/730 II S GR CLO C6K FQQ-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	-

Order Code	Full Product Name	Driver failure rate at 5000 h
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	-

