



Philips CityCharm: combining visual comfort and performance

CityCharm Cordoba

The Philips 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 Philips 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.

CityCharm Cordoba

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 all standard and advanced Philips 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
Product family code	BDS490

Light Technical

Luminaire light beam spread	360°
Optical cover/lens type	Polycarbonate bowl/cover
Standard tilt angle side entry	0°
Standard tilt angle posttop	0°

Controls and Dimming

Dimmable	No
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Approval and Application

CE mark	Yes
Flammability mark	-
Mech. impact protection code	IK10

Application Conditions

Maximum dim level	Not applicable
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General Information

Order Code	Full Product Name	Gear	Lamp family code	Service tag
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	Yes
912300024681	BDS490 LED50-/740 I DM GRB DF-S GR CLO S	-	LED50	Yes
912300024683	BDS490 LED100-/740 I DM GRB DF-S GR CLO	-	LED100	Yes
912300024686	BDS490 LED80-/830 I S GRB GR 60	-	LED80	Yes
912300024688	BDS490 LED50-/830 II DM GRB GR 60	-	LED50	Yes
912300024689	BDS490 LED70-/830 II DM GRB GR 60	-	LED70	Yes
912300024720	BDS490 LED50/727 PSD-SR II DM GR SRT 60	-	LED50	Yes
912300024718	BDS490 LED50/730 PSU II S1F GR PCN 60	-	LED50	Yes

Light Technical

Order Code	Full Product Name	Light source color	Number of light sources	Optic type outdoor	Upward light output ratio
910505017425	BDS490 CG25-/730 II A GR D11 76	730 warm white	15	Asymmetrical	0.03
910505017427	BDS490 CG20-/730 II S GR CLO C6K FQQ-PX1	730 warm white	15	Symmetrical	0.03
910505017428	BDS490 CG25-/730 II S GR CLO C6K FQQ-PX1	730 warm white	15	Symmetrical	0.03
910505017429	BDS490 CG30-/730 II S GR CLO C6K FQQ-PX1	730 warm white	15	Symmetrical	0.03
912300024680	BDS490 LED20-/740 I DM GRB DF-S GR CLO S	740 neutral white	-	Distribution medium	0.034
912300024681	BDS490 LED50-/740 I DM GRB DF-S GR CLO S	740 neutral white	-	Distribution medium	0.0293
912300024683	BDS490 LED100-/740 I DM GRB DF-S GR CLO	740 neutral white	-	Distribution medium	0.032

Order Code	Full Product Name	Light source color	Number of light sources	Optic type outdoor	Upward light output ratio
912300024686	BDS490 LED80-/830 I S GRB GR 60	830 warm white	-	Symmetrical	0.0142
912300024688	BDS490 LED50-/830 II DM GRB GR 60	830 warm white	-	Distribution medium	0.0293
912300024689	BDS490 LED70-/830 II DM GRB GR 60	830 warm white	-	Distribution medium	0.0278
912300024720	BDS490 LED50/727 PSD-SR II DM GR SRT 60	727 warm white	-	Distribution medium	0.0282
912300024718	BDS490 LED50/730 PSU II SIF GR PCN 60	730 warm white	-	Symmetrical	0.0059

Approval and Application

Order Code	Full Product Name	Glow-wire test	Surge Protection (Common/Differential)
910505017425	BDS490 CG25-/730 II A GR D11 76	Temperature 650 °C, duration 5 s	Luminaire surge protection level until 6 kV differential mode and 8 kV common mode
910505017427	BDS490 CG20-/730 II S GR CLO C6K FQQ-PX1	Temperature 650 °C, duration 5 s	Luminaire surge protection level until 6 kV differential mode and 8 kV common mode
910505017428	BDS490 CG25-/730 II S GR CLO C6K FQQ-PX1	Temperature 650 °C, duration 5 s	Luminaire surge protection level until 6 kV differential mode and 8 kV common mode
910505017429	BDS490 CG30-/730 II S GR CLO C6K FQQ-PX1	Temperature 650 °C, duration 5 s	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

Order Code	Full Product Name	Glow-wire test	Surge Protection (Common/Differential)
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

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	-

