CityCharm Cordoba

BDS490 LED50-/740 I DM GRB DF-S GR CLO S

CityCharm Cordoba, Urban road & street light, 30.5 W, 3822 lm, 4000 K, CRI70, Distribution medium, Safety class I, IP66, SRG10-10

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.

Product data

General Information		Service tag	Yes
Lamp family code	LED50 [LED module 5000 lm]	Lighting Technology	LED
Light source replaceable	Yes	Value ladder	Performance
Number of gear units	1 unit	Serviceability class	Class A, luminaire is equipped with serviceable parts (when applicable): LED board, driver, control units, surge protection
Driver included	Yes		
Light source engine type	LED		

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	device, optics, front cover and mechanical parts	Optical cover finish	Clear
Warranty period	5 years	Overall height	530 mm
Sustainability rating	Lighting for circularity	Overall diameter	555 mm
		Ingress protection code	IP66 [Dust penetration-protected, jet-proof]
Light Technical		Mech. impact protection code	IK10 [20 J vandal-resistant]
Upward light output ratio	0.0293	Standard tilt angle posttop	0°
Luminous Flux	3,822 lm	Standard tilt angle side entry	0°
Correlated Color Temperature (Nom)	4000 K	Optical cover type	Polycarbonate bowl/cover
Luminous Efficacy (rated) (Nom)	125 lm/W	Net Weight (Piece)	12.000 kg
Color rendering index (CRI)	70		
Light source color	740 neutral white	**Approval and Application**	
Luminaire light beam spread	360°	Flammability mark	–
Optic type outdoor	Distribution medium	CE mark	Yes
Effective projected area	0.1124 m²	ENEC mark	ENEC mark
		EU RoHS compliant	Yes
Operating and Electrical		Performance ambient temperature Tq	25 °C
Input Voltage	220 to 240 V	Remarks	* At extreme ambient temperatures the luminaire might automatically dim down to protect components
Line Frequency	50 to 60 Hz		
Initial CLO power consumption	30.5 W		
Average CLO power consumption	30.5 W	Ambient temperature range	–40 to +50 °C
End CLO power consumption	31 W		
Inrush current	21 A	**Initial Performance (IEC Compliant)**	
Inrush time	0.225 ms	Luminous flux tolerance	+/-10%
Power Consumption	30.5 W	Initial chromaticity	(0.3818, 0.3796) SDCM <5
Power Factor (Fraction)	0.98	Power consumption tolerance	+/-10%
Connection	Flying leads/wires	Init. Color Rendering Index Tolerance	+/-2
Cable	Cable 0.2 m without plug	Standard Deviation of Colour Matching (McAdam ellipse)	SDCM≤5
Number of products on MCB of 16 A type B	26		
Protection class IEC	Safety class I		
Surge Protection (Common/Differential)	Luminaire surge protection level until 10 kV differential mode and 10 kV common mode	**Over Time Performance (IEC Compliant)**	
		Control gear failure rate at median useful life 100000 h	10 %
Controls and Dimming		Lumen maintenance at median useful life* 100000 h	L100
Dimmable	No		
Driver/power unit/transformer	Power supply unit regulating with constant light output	**Product Data**	
		Order product name	BDS490 LED50-/740 I DM GRB DF-S GR CLO S
Control interface	–		
Constant light output	Yes	Full product name	BDS490 LED50-/740 I DM GRB DF-S GR CLO S
Maximum dim level	Not applicable		
Embedded control	Constant light output	Full product code	871951420189700
		Order code	912300024681
Mechanical and Housing		Material Nr. (12NC)	912300024681
Housing Material	Aluminum	Numerator – Quantity Per Pack	1
Reflector material	–	EAN/UPC – Product/Case	8719514201897
Optic material	Polycarbonate	Numerator – Packs per outer box	1
Optical cover material	Polycarbonate	EAN/UPC – Case	8719514201897
Fixation material	Aluminum	Product family code	BDS490 [CityCharm Cordoba]
Housing Color	Gray		
Mounting device	Spigot for diameter 60 mm		
Optical cover shape	Hemispherical		

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Dimensional drawing

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2025, January 20 – data subject to change