



CityCharm Cone

BDS491 LED70-/830 I S GRB GR 60

CityCharm Cone, Urban road & street light, 53 W, 5670 lm, 3000 K, CRI80, Symmetrical, Safety class I, IP66

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. 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		Serviceability class	
Lamp family code	LED70 [LED module 7000 lm]	Class A, luminaire is equipped with serviceable parts (when applicable): LED board, driver, control units, surge protection device, optics, front cover and mechanical parts	
Light source replaceable	Yes	Warranty period	
Number of gear units	1 unit	5 years	
Driver included	Yes	Sustainability rating	
Light source engine type	LED	Lighting for circularity	
Service tag	Yes	Light Technical	
Lighting Technology	LED	Upward light output ratio	
Value ladder	Performance	0.0136	

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Luminous Flux	5,670 lm
Correlated Color Temperature (Nom)	3000 K
Luminous Efficacy (rated) (Nom)	107 lm/W
Color rendering index (CRI)	80
Light source color	830 warm white
Luminaire light beam spread	360°
Optic type outdoor	Symmetrical
Effective projected area	0.1155 m²

Operating and Electrical

Input Voltage	220 to 240 V
Line Frequency	50 to 60 Hz
Inrush current	47 A
Inrush time	0.25 ms
Power Consumption	53 W
Power Factor (Fraction)	0.99
Connection	Flying leads/wires
Cable	Cable 0.2 m without plug
Number of products on MCB of 16 A type B	10
Protection class IEC	Safety class I
Surge Protection (Common/Differential)	Luminaire surge protection level until 6 kV differential mode and 8 kV common mode

Controls and Dimming

Dimmable	No
Driver/power unit/transformer	Power supply unit regulating
Control interface	-
Constant light output	No
Maximum dim level	Not applicable

Mechanical and Housing

Housing Material	Aluminum
Reflector material	-
Optic material	Polycarbonate
Optical cover material	Polycarbonate
Fixation material	Aluminum
Housing Color	Gray
Mounting device	Spigot for diameter 60 mm
Optical cover shape	Hemispherical
Optical cover finish	Clear
Overall height	530 mm
Overall diameter	555 mm
Ingress protection code	IP66 [Dust penetration-protected, jet-proof]

Mech. impact protection code	IK10 [20 J vandal-resistant]
Standard tilt angle posttop	0°
Standard tilt angle side entry	0°
Optical cover type	Polycarbonate bowl/cover
Net Weight (Piece)	12.000 kg

Approval and Application

Flammability mark	-
CE mark	Yes
ENEC mark	ENEC mark
EU RoHS compliant	Yes
Performance ambient temperature Tq	25 °C
Remarks	* At extreme ambient temperatures the luminaire might automatically dim down to protect components
Ambient temperature range	-40 to +50 °C

Initial Performance (IEC Compliant)

Luminous flux tolerance	+/-10%
Initial chromaticity	(0.4339, 0.4032) SDCM <5
Power consumption tolerance	+/-10%
Init. Color Rendering Index Tolerance	+/-2
Standard Deviation of Colour Matching (McAdam ellipse)	SDCM≤5

Over Time Performance (IEC Compliant)

Control gear failure rate at median useful life 100000 h	10 %
Lumen maintenance at median useful life* 100000 h	L97

Product Data

Order product name	BDS491 LED70-/830 I S GRB GR 60
Full product name	BDS491 LED70-/830 I S GRB GR 60
Full product code	871951420195800
Order code	912300024687
Material Nr. (12NC)	912300024687
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8719514201958
Numerator - Packs per outer box	1
EAN/UPC - Case	8719514201958
Product family code	BDS491 [CityCharm Cone]

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Dimensional drawing

