PHILIPS Lighting



CityCharm Cone

BDS491 LED10-/740 I DM GRB DF-S GR CLO S

CityCharm Cone, Urban road & street light, 6.8 W, 800 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. 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	
Lamp family code	LED10 [LED Module 1000 lm]
Light source replaceable	Yes
Number of gear units	1 unit
Driver included	Yes
Light source engine type	LED
Service tag	Yes
Lighting Technology	LED
Value ladder	Performance

Serviceability class	Class A, luminaire is equipped with
	serviceable parts (when applicable): LED
	board, driver, control units, surge protection
	device, optics, front cover and mechanical
	parts
Warranty period	5 years
Sustainability rating	Lighting for circularity
Light Technical	
Upward light output ratio	0.0307

CityCharm Cone

Luminous Flux	800 lm
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	118 lm/W
Color rendering index (CRI)	70
Light source color	740 neutral white
Luminaire light beam spread	360°
Optic type outdoor	Distribution medium
Effective projected area	0.1155 m²

Operating	and	Electrical
operating	unu	Liccurcui

Input Voltage	220 to 240 V
Line Frequency	50 to 60 Hz
Initial CLO power consumption	6.8 W
Average CLO power consumption	6.9 W
End CLO power consumption	6.9 W
Inrush current	15 A
Inrush time	0.295 ms
Power Consumption	6.8 W
Power Factor (Fraction)	0.94
Connection	Flying leads/wires
Cable	Cable 0.2 m without plug
Number of products on MCB of 16 A type I	3 29
Protection class IEC	Safety class I
Surge Protection (Common/Differential)	Luminaire surge protection level until 10 kV
	differential mode and 10 kV common mode

Controls and Dimming	
Dimmable	No
Driver/power unit/transformer	Power supply unit regulating with constant
	light output
Control interface	-
Constant light output	Yes
Maximum dim level	Not applicable
Embedded control	Constant light output

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	529 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 ℃
Remarks	* At extreme ambient temperatures the
	luminaire might automatically dim down to
	protect components
Ambient temperature range	-40 to +50 ℃

Initial Performance (IEC Compliant)	
Luminous flux tolerance	+/-10%
Initial chromaticity	(0.3818, 0.3796) SDCM <5
Power consumption tolerance	+/-10%
Init. Color Rendering Index Tolerance	+/-2
Standard Deviation of Colour Matching	SDCM≤5
(McAdam ellipse)	

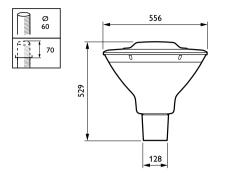
Over Time Performance (IEC Compliant)		
Control gear failure rate at median useful 10 %		
life 100000 h		
Lumen maintenance at median useful life*	L100	
100000 h		

Product Data

Order product name	BDS491 LED10-/740 I DM GRB DF-S GR
	CLO S
Full product name	BDS491 LED10-/740 I DM GRB DF-S GR
	CLO S
Full product code	871951420193400
Order code	912300024685
Material Nr. (12NC)	912300024685
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8719514201934
Numerator - Packs per outer box	1
EAN/UPC - Case	8719514201934
Product family code	BDS491 [CityCharm Cone]

CityCharm Cone

Dimensional drawing





© 2025 Signify Holding All rights reserved. Signify does not give any representation or warranty as to the accuracy or completeness of the information included herein and shall not be liable for any action in reliance thereon. The information presented in this document is not intended as any commercial offer and does not form part of any quotation or contract, unless otherwise agreed by Signify. Philips and the Philips Shield Emblem are registered trademarks of Koninklijke Philips N.V.

www.lighting.philips.com 2025, January 20 - data subject to change