



CityCharm Cone

BDS491 GRN100-/740 I DW ORB GR D9 H07RN-

CityCharm Cone, LED GreenLine 10000 lm, Distribution wide

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		Lighting Technology	
Lamp family code	GRN100 [LED GreenLine 10000 lm]	Value ladder	Performance
Light source replaceable	Yes	Embedded control	-
Number of gear units	1 unit	CE mark	Yes
Gear	EB [Electronic]	Warranty period	5 years
Driver included	Yes	Flammability mark	-
Remarks	* At extreme ambient temperatures the luminaire might automatically dim down to protect components	ENEC mark	ENEC mark
Light source engine type	LED	Glow-wire test	Temperature 650 °C, duration 30 s
Product family code	BDS491 [CityCharm Cone]	EU RoHS compliant	Yes

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Light Technical	
Upward light output ratio	0.03
Luminous Flux	8,493 lm
Standard tilt angle posttop	0°
Standard tilt angle side entry	0°
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	121 lm/W
Color rendering index (CRI)	≥70
Number of light sources	40
Light source color	740 neutral white
Optical cover type	Polycarbonate bowl/cover
Luminaire light beam spread	360°
Optic type outdoor	Distribution wide

Operating and Electrical	
Input Voltage	220 to 240 V
Line Frequency	50 to 60 Hz
Inrush current	80 A
Inrush time	15 ms
Power Consumption	70 W
Power Factor (Fraction)	0.9
Connection	Flying leads/wires
Cable	Cable 0.2 m without plug
Number of products on MCB of 16 A type B 11	

Temperature	
Ambient temperature range	-40 to +50 °C

Controls and Dimming	
Dimmable	Yes
Driver/power unit/transformer	Power supply unit regulating
Control interface	DALI
Constant light output	No

Mechanical and Housing	
Housing Material	Aluminum
Reflector material	-
Optic material	Polycarbonate
Optical cover material	Polycarbonate
Fixation material	Aluminum
Housing Color	Grey
Mounting device	Spigot for diameter 60 mm

Optical cover shape	Hemispherical
Optical cover finish	Clear
Overall height	529 mm
Overall diameter	556 mm
Effective projected area	0.1155 m²

Approval and Application	
Ingress protection code	IP66 [Dust penetration-protected, jet-proof]
Mech. impact protection code	IK10 [20 J vandal-resistant]
Surge Protection (Common/Differential)	Luminaire surge protection level until 6 kV differential mode and 8 kV common mode
Protection class IEC	Safety class I
Photobiological risk	Photobiological risk group 1 @200mm to EN62778

Initial Performance (IEC Compliant)	
Luminous flux tolerance	+/-10%
Initial chromaticity	(0.380, 0.370) SDCM <3
Power consumption tolerance	+/-10%
Init. Color Rendering Index Tolerance	+/-2

Over Time Performance (IEC Compliant)	
Driver failure rate at 5000 h	0.05 %

Application Conditions	
Maximum dim level	10%

Product Data	
Order product name	BDS491 GRN100-/740 I DW ORB GR D9 H07RN-
Full product name	BDS491 GRN100-/740 I DW ORB GR D9 H07RN-
Full product code	871869692128900
Order code	910505017144
Material Nr. (12NC)	910505017144
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718696921289
Numerator - Packs per outer box	1
EAN/UPC - Case	8718696921289

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Dimensional drawing

