



CityCharm Cone

BDS491 GRN100-/740 I DM GRB GR D9 H07RN-

CityCharm Cone, LED GreenLine 10000 lm, LED, 740 neutral white, Power supply unit regulating, 220 to 240 V, 50 to 60 Hz, Safety class I, Distribution medium, Polycarbonate bowl/cover, Grey, Luminaire surge protection level until 6 kV differential mode and 8 kV common mode, Cable 0.2 m without plug, Spigot for diameter 60 mm

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	GRN100 [LED GreenLine 10000 lm]	Gear	EB [Electronic]
Light source replaceable	Yes	Driver included	Yes
Number of gear units	1 unit		

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Remarks	* At extreme ambient temperatures the luminaire might automatically dim down to protect components
Light source engine type	LED
Product family code	BDS491 [CityCharm Cone]
Lighting Technology	LED
Value ladder	Performance
CE mark	Yes
Warranty period	5 years
Flammability mark	-
ENEC mark	ENEC mark
EU RoHS compliant	Yes

Light Technical

Upward light output ratio	0.03
Luminous Flux	7,379 lm
Standard tilt angle posttop	0°
Standard tilt angle side entry	0°
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	105 lm/W
Color rendering index (CRI)	≥70
Light source color	740 neutral white
Optical cover type	Polycarbonate bowl/cover
Luminaire light beam spread	360°
Optic type outdoor	Distribution medium

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)	0.8
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
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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
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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

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 %
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Application Conditions

Maximum dim level	10%
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Product Data

Order product name	BDS491 GRN100-/740 I DM GRB GR D9 H07RN-
Full product name	BDS491 GRN100-/740 I DM GRB GR D9 H07RN-
Full product code	871869692321400
Order code	910505017222
Material Nr. (12NC)	910505017222
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718696923214
Numerator - Packs per outer box	1
EAN/UPC - Case	8718696923214

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Dimensional drawing

