



# CityCharm Cone

BDS491 GRN70-/830 I S GRB GR 60

CityCharm Cone - LED GreenLine 7000 lm - Symmetrical - Spigot for diameter 60 mm

The CityCharm range is designed for use in urban areas where comfortable lighting, ambiance and design play an important role. It offers two iconic, timeless designs (Cordoba and Cone) and various accessories, enabling you to create a lighting solution that carries your signature, both by day and by night.;CityCharm provides high visual comfort while maintaining excellent performance. It offers a choice of two innovative new Philips Lighting technologies: GentleBeam, which maximizes visual comfort, or ClearGuide, which optimizes vertical illumination and visual guidance.;A variety of dedicated brackets and masts enables you to reshape your residential areas and city centers in the most elegant way imaginable.;Further information about GentleBeam and ClearGuide technology can be found in the Product Guide.

## Product data

General Information			
Number of light sources	40 pcs	Embedded control	-
Lamp family code	GRN70 [ LED GreenLine 7000 lm]	Control interface	-
Light source color	830 warm white	Light regulation	-
Light source replaceable	Yes	Electrical circuit protection	-
Number of gear units	1 unit	Connection	Flying leads/wires
Gear	EB [ Electronic]	Cable	Cable 0.2 m without plug
Driver/power unit/transformer	Power supply unit regulating	Protection class IEC	Safety class I
Driver included	Yes	Coating	-
Decorative spill-light	Gray bowl	Glow-wire test	Temperature 650 °C, duration 30 s
Optical element	-	Flammability mark	-
Optical cover/lens type	Polycarbonate bowl/cover	CE mark	CE mark
Luminaire light beam spread	360°	ENEC mark	ENEC mark
		Warranty period	5 years

# CityCharm Cone

Optic type outdoor	Symmetrical
Constant light output	No
Spare parts available	Yes
Number of products on MCB of 16 A type B	11
Photobiological risk	Risk group 1
Product recyclability	56%
RoHS mark	RoHS mark
WEEE mark	WEEE mark
Light source engine type	LED
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
Product family code	BDS491 [ CityCharm Cone]

## Light Technical

Upward light output ratio	0.03
Initial luminous flux at 15 °C	7000 lm
Initial luminous flux at 25 °C	7000 lm
Initial luminous flux at 35 °C	7000 lm
Standard tilt angle posttop	0°
Standard tilt angle side entry	0°

## Operating and Electrical

Input Voltage	220 to 240 V
Input Frequency	50 to 60 Hz
Inrush current	80 A
Inrush time	15 ms
Driver current	445 mA
Power Factor (Min)	0.8
Power Factor (Nom)	0.9

## Controls and Dimming

Dimmable	No
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## Mechanical and Housing

Housing Material	Aluminum
Reflector material	-
Optic material	Polycarbonate
Optical cover/lens material	Polycarbonate
Fixation material	Aluminum
Mounting device	Spigot for diameter 60 mm
Optical cover/lens shape	Hemispherical
Optical cover/lens finish	Clear

Torque	25
Overall height	529 mm
Overall diameter	556 mm
Effective projected area	0.1155 m <sup>2</sup>

## 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

## Initial Performance (IEC Compliant)

Initial luminous flux (system flux)	5938 lm
Luminous flux tolerance	+/-10%
Initial LED luminaire efficacy	116 lm/W
Init. Corr. Color Temperature	3000 K
Init. Color Rendering Index	≥80
Initial chromaticity	(0.430, 0.400) SDCM <3
Initial input power	51 W
Power consumption tolerance	+/-10%

## Over Time Performance (IEC Compliant)

Driver failure rate at 5000 h	0.05 %
Abrupt failure value at L80B10	1 %
Useful life L80B10	100000 h

## Application Conditions

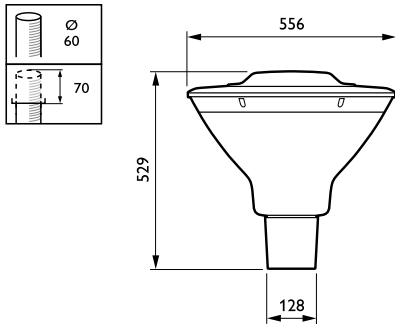
Ambient temperature range	-20 to +35 °C
Average ambient temperature	35 °C
Maximum dim level	Not applicable

## Product Data

Full product code	871869692155500
Order product name	BDS491 GRN70-/830 I S GRB GR 60
EAN/UPC - Product	8718696921555
Order code	910505017171
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	1
Material Nr. (12NC)	910505017171
Net Weight (Piece)	12.000 kg

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### Dimensional drawing



CityCharm BDS490/491

