

CityCharm Cone

BDS491 LWFP GRN80-/740 I DM GRB GR CLO C

CityCharm Cone, LED GreenLine 8000 lm, Distribution medium, Constant light output

CityCharm Cone is designed for use in urban areas where comfortable lighting, ambiance and design play an important role. Its unobtrusive appearance makes it a timeless, future-proof luminaire that is ideal for residential areas, parks, footpaths and cycle lanes, where visual comfort and maximum efficiency are key. CityCharm offers a choice of two iconic designs (Cone and Cordoba) and various accessories, enabling you to create a lighting solution that carries your signature, both by day and by night. CityCharm luminaires are also available as a complete set, with a choice of dedicated poles and brackets.

Product data

General Information	
Lamp family code	GRN80 [LED GreenLine 8000 lm]
Light source replaceable	Yes
Number of gear units	Unit
Gear	EB [Electronic]
Driver included	Yes
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
Embedded control	Constant light output
CE mark	Yes

Warranty period	5 years
Flammability mark	-
ENEC mark	ENEC mark
Glow-wire test	Temperature 650 °C, duration 30 s
EU RoHS compliant	Yes

Light Technical	
Upwards light output ratio	0.03
Luminous Flux	6,793 lm
Standard tilt angle post-top	0°
Standard tilt angle side entry	0°
Correlated Colour Temperature	4000 K
Luminous efficacy (rated) (nom.)	124 lm/W
Colour rendering index (CRI)	≥70
Light source colour	740 neutral white

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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
Initial CLO power consumption	44 W
Average CLO power consumption	49.5 W
End CLO power consumption	55 W
Inrush current	80 A
Inrush time	15 ms
Power Consumption	55 W
Power Factor (Fraction)	0.9
Connection	Flying leads/cables
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 with constant light output
Control interface	GPRS network
Constant light output	Yes

Mechanical and Housing

Housing material	Aluminium
Reflector material	-
Optic material	Polycarbonate
Optical cover/lens material	Polycarbonate
Fixation material	Aluminium
Housing Colour	Grey
Mounting device	Spigot for diameter 76 mm
Optical cover/lens shape	Hemispherical
Optical cover/lens 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 up to 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 5,000 hours	0.05 %

Application Conditions

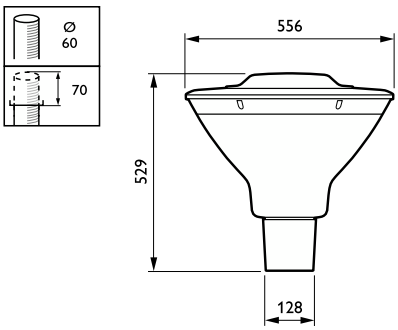
Maximum dim level	10%

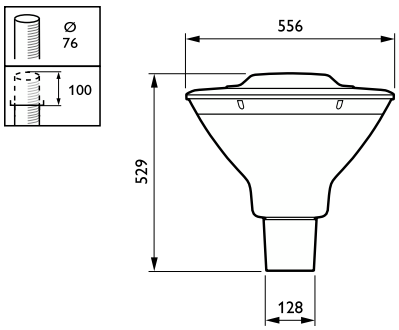
Product Data

Order product name	BDS491 LWFP GRN80-/740 I DM GRB GR CLO C
Full product name	BDS491 LWFP GRN80-/740 I DM GRB GR CLO C
Full EOC	871869692137100
Order code	92137100
Material no. (12 NC)	910505017153
SAP numerator – quantity per pack	1
EAN/UPC — Product/Case	8718696921371
Numerator – packs per outer box	1
EAN/UPC - Case	8718696921371

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Dimensional drawing





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