



CityCharm Cone

BDS491 LWFP GRN20-/740 I DM GRB GR CLO C

CityCharm Cone, LED GreenLine 2000 lm, Distribution medium, Constant light output

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	GRN20 [LED GreenLine 2000 lm]
Light source replaceable	Yes
Number of gear units	1 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

Datasheet, 2023, December 5 data subject to change

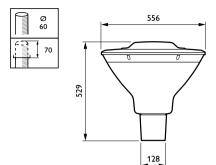
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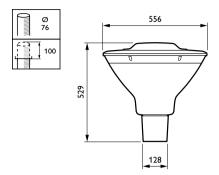
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EU RoHS compliant	Yes
Link Tokain	
Light Technical	
Upward light output ratio	0.03
Luminous Flux	1,699 lm
Standard tilt angle posttop	0°
Standard tilt angle side entry	0°
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	106 lm/W
Color rendering index (CRI)	≥70
Number of light sources	8
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
Initial CLO power consumption	12.8 W
Average CLO power consumption	14.4 W
End CLO power consumption	16 W
Inrush current	28 A
Inrush time	15 ms
Power Consumption	16 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	32
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	Aluminum
Reflector material	-
Optic material	Polycarbonate

Fixation material	Aluminum
Housing Color	Grey
Mounting device	Spigot for diameter 76 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 Compli	ant)
Driver failure rate at 5000 h	0.05 %
Application Conditions	
Maximum dim level	10%
Product Data	
Order product name	BDS491 LWFP GRN20-/740 I DM GRB GR
	CLO C
Full product name	BDS491 LWFP GRN20-/740 I DM GRB GR
	CLO C
Full product code	871869692134000
Order code	910505017150
Material Nr. (12NC)	910505017150
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718696921340
Numerator - Packs per outer box	1
EAN/UPC - Case	8718696921340

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Dimensional drawing







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