



# CityCharm fluid

## BDS492 LED30/730 II A-PCN GRB GR 60

CityCharm fluid, Urban road & street light, 19.8 W, 2400 lm, 3000 K, CRI70, DALI, Distribution asymmetric PCN (protection Ciel Nocturne - Dark Sky) France, Safety class II, IP66, STDE

The 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 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		Value ladder	Performance
Lamp family code	LED30 [LED module 3000 lm]	Warranty period	5 years
Light source replaceable	Yes	<b>Light Technical</b>	
Number of gear units	1 unit	Upward light output ratio	0.003
Driver included	Yes	Luminous Flux	2,400 lm
Light source engine type	LED	Correlated Color Temperature (Nom)	3000 K
Service tag	Yes	Luminous Efficacy (rated) (Nom)	121 lm/W
Lighting Technology	LED		

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Color rendering index (CRI)	70
Light source color	730 warm white
Luminaire light beam spread	360°
Optic type outdoor	Distribution asymmetric PCN (protection Ciel Nocturne - Dark Sky) France
Effective projected area	0.2132 m <sup>2</sup>

## Operating and Electrical

Input Voltage	220 to 240 V
Line Frequency	50 to 60 Hz
Inrush current	21 A
Inrush time	0.225 ms
Power Consumption	19.8 W
Power Factor (Fraction)	0.96
Connection	Flying leads/wires
Cable	Cable 0.5 m with cable connector
Number of products on MCB of 16 A type B	26
Protection class IEC	Safety class II
Surge Protection (Common/Differential)	Standard surge protection + electro static discharge protection kV

## Controls and Dimming

Dimmable	Yes
Driver/power unit/transformer	Power supply unit with DALI interface
Control interface	DALI
Constant light output	No
DALI Standard	DALI-2™
Maximum dim level	Not applicable

## Mechanical and Housing

Housing Material	Aluminum
Reflector material	-
Optic material	Polycarbonate
Optical cover material	Polycarbonate
Fixation material	Aluminum
Housing Color	Gray
Mounting device	Spigot for diameter 60 mm
Optical cover shape	Hemispherical
Optical cover finish	Clear
Overall height	702 mm
Overall diameter	555 mm
Ingress protection code	IP66 [Dust penetration-protected, jet-proof]
Mech. impact protection code	IK11 [50 J vandal-resistant]
Standard tilt angle posttop	0°
Standard tilt angle side entry	0°
Optical cover type	Polycarbonate bowl/cover
Net Weight (Piece)	12.000 kg

## Approval and Application

Flammability mark	-
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CE mark	Yes
ENEC mark	ENEC mark
EU RoHS compliant	Yes
Performance ambient temperature Tq	25 °C
Ambient temperature range	-40 to +50 °C

## Initial Performance (IEC Compliant)

Luminous flux tolerance	+/-10%
Initial chromaticity	(0.4339, 0.4032) SDCM <5
Power consumption tolerance	+/-10%
Init. Color Rendering Index Tolerance	+/-2
Standard Deviation of Colour Matching (McAdam ellipse)	SDCM≤5

## Over Time Performance (IEC Compliant)

Control gear failure rate at median useful life 100000 h	10 %
Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 100000 h	L98

## Sustainability Data

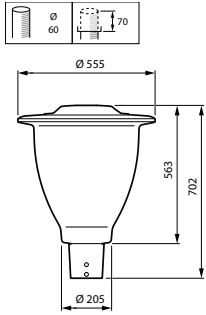
Sustainability rating	Signify Circle
Embedded carbon (A1-A3)	101 kg CO <sub>2e</sub>
Product non-virgin material ratio	37.5 %
Recyclable content ratio of the finished product	37.4 %
GWP total B6 (kg CO <sub>2eq</sub> ) Declared Unit	Please calculate using your local energy mix value: Power Declared Unit (kW) * Service life (hrs) Declared Unit * Energy mix (kg CO <sub>2eq</sub> / kWh)
GWP total B6 (kg CO <sub>2eq</sub> ) Functional Unit	Please calculate using your local energy mix value: Power Declared Unit (kW) * 1000 (lm) / lumen output (lm) Declared Unit * 35000 (hrs) * Energy mix (kg CO <sub>2 eq</sub> / kWh)

## Product Data

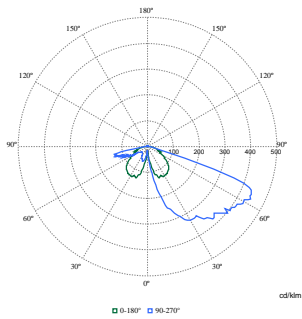
Order product name	BDS492 LED30/730 II A-PCN GRB GR 60
Full product name	BDS492 LED30/730 II A-PCN GRB GR 60
Full product code	871951423706300
Order code	912300060043
Material Nr. (12NC)	912300060043
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8719514237063
Numerator - Packs per outer box	1
EAN/UPC - Case	8719514237063
Product family code	BDS492 [CityCharm fluid]

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## Dimensional drawing



## Photometric data



Polar Normal (separate) - BDS4901 - 912300060043

