Copenhagen LED Small

BDS443 GRN16-3S/830 II O-DSN CLO C10K

Little Copenhagen LED central, LED GreenLine 1600 lm, 830 warm white, Safety class II, Distribution symmetrical narrow, Constant light output, Cable 10 m without plug

Copenhagen LED was co-designed together with Copenhagen's Office of City Architecture in order to enhance the aesthetic appeal of the city's lighting. The luminaire's timeless design comes in two sizes – mini and large – to ensure that the dimensions of the luminaire and pole are well balanced, and that the installation blends in harmoniously with its surroundings. A variety of suspensions are available, offering maximum freedom in the overall design of the installation. A choice of symmetrical or asymmetrical distributions and state-of-the-art LED technology complete the specification of an extremely adaptable luminaire.

Product data

General Information

Lamp family code	GRN16 [LED GreenLine 1600 lm]	Light source engine type	LED
Light source replaceable	Yes	Product family code	BDS443 [Little Copenhagen LED central]
Number of gear units	1 unit	Lighting Technology	LED
Driver included	Yes	Embedded control	Constant light output
Remarks	*-Per Lighting Europe guidance paper "Evaluating performance of LED based luminaires - January 2018": statistically there is no relevant difference in lumen maintenance between B50 and for example B10. Therefore, the median useful life (B50) value also represents the B10 value.	CE mark	Yes
		Warranty period	5 years
		Flammability mark	For mounting on normally flammable surfaces
		ENEC mark	-
		EU RoHS compliant	Yes

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Light Technical

Upward light output ratio	0
Luminous Flux	1,400 lumen
Standard tilt angle posttop	0°
Standard tilt angle side entry	0°
Correlated Color Temperature (Nom)	3000 K
Luminous Efficacy (rated) (Nom)	70 lm/W
Color rendering index (CRI)	≥80
Number of light sources	1
Light source color	830 warm white
Optical cover type	Flat glass
Luminaire light beam spread	180°
Optic type outdoor	Distribution symmetrical narrow

Operating and Electrical

Input Voltage	220/240 V
Line Frequency	50 to 60 Hz
Initial CLO power consumption	17 W
Average CLO power consumption	19 W
End CLO power consumption	21 W
Inrush current	27 A
Inrush time	0.265 ms
Power Consumption	19 W
Power Factor (Fraction)	0.9
Connection	–
Cable	Cable 10 m without plug
Number of products on MCB of 16 A type B	20

Temperature

Ambient temperature range	–40 to +50 °C

Controls and Dimming

Dimmable	No
Driver/power unit/transformer	Power supply unit regulating with constant light output
Control interface	–
Constant light output	Yes

Mechanical and Housing

Reflector material	–
Optic material	Polycarbonate
Optical cover material	Glass
Fixation material	Aluminum
Housing Color	Opal
Mounting device	Post-top for diameter 48 mm
Optical cover shape	Flat
Optical cover finish	Clear
Overall height	312 mm
Overall diameter	380 mm
Effective projected area	0.08 m²

Approval and Application

Ingress protection code	IP65 [Dust penetration-protected, jet-proof]
Mech. impact protection code	IK08 [5 J vandal-protected]
Surge Protection (Common/Differential)	Luminaire surge protection level until 6 kV differential mode and 8 kV common mode
Protection class IEC	Safety class II

Initial Performance (IEC Compliant)

Luminous flux tolerance	+/–7%
Initial chromaticity	(0.434, 0.403) SDCM <5
Power consumption tolerance	+/–10%
Init. Color Rendering Index Tolerance	+/–2

Over Time Performance (IEC Compliant)

Control gear failure rate at median useful life 100000 h	10 %
Lumen maintenance at median useful life* 100000 h	L100

Application Conditions

Performance ambient temperature Tq	25 °C

Product Data

Full product code	871829198526600
Order product name	BDS443 GRN16-3S/830 II O-DSN CLO C10K
Order code	919008632181
Numerator – Quantity Per Pack	1
Numerator – Packs per outer box	1
Material Nr. (12NC)	919008632181
Full product name	BDS443 GRN16-3S/830 II O-DSN CLO C10K
EAN/UPC – Case	8718291985266
EAN/UPC – Product/Case	8718291985266

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2023, September 4 – data subject to change