PHILIPS Lighting



Copenhagen LED Small

BRS443 GRN16-3S/830 II O-DW CLO C10K

Little Copenhagen LED side entry, LED GreenLine 1600 lm, 830 warm white, Safety class II, Distribution wide, 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 replaceable	Yes
Number of gear units	1 unit
Driver included	Yes
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. * At

extreme ambient temperatures the luminaire
might automatically dim down to protect
components
LED
BRS443 [Little Copenhagen LED side entry]
LED
Constant light output
Yes
5 years
For mounting on normally flammable surfaces
-

Copenhagen LED Small

EU RoHS compliant	Yes
Light Technical	
Upward light output ratio	0
Luminous Flux	1,400 lm
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 wide

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 20

в

Temperature

Ambient temperature range

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

-40 to +50 °C

Optical cover material	Glass
Fixation material	Aluminum
Housing Color	Opal
Mounting device	Side-entry 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 10 % life 100000 h Lumen maintenance at median useful L100 life* 100000 h

Application Conditions

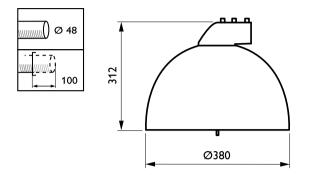
Performance ambient temperature Tq 25 °C

Product Data

Order product name	BRS443 GRN16-3S/830 II O-DW CLO C10K
Full product name	BRS443 GRN16-3S/830 II O-DW CLO C10K
Full product code	871829198519800
Order code	98519800
Material Nr. (12NC)	919008632179
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718291985198
Numerator - Packs per outer box	1
EAN/UPC - Case	8718291985198

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Dimensional drawing





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