PHILIPS

Lighting



Copenhagen LED Small

BSS443 GRN59-3S/740 II O-DC CLO C10K

Little Copenhagen LED suspended, LED GreenLine 5900 lm, 740 neutral white, Safety class II, Distribution comfort, 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	GRN59 [LED GreenLine 5900 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.

Light source engine type	LED
Product family code	BSS443 [Little Copenhagen LED suspended]
Lighting Technology	LED
Embedded control	Constant light output
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	4,960 lumen
Standard tilt angle posttop	0°
Standard tilt angle side entry	0°
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	104 lm/W
Color rendering index (CRI)	≥70
Number of light sources	1
Light source color	740 neutral white
Optical cover type	Flat glass
Luminaire light beam spread	180°
Optic type outdoor	Distribution comfort

Operating and Electrical	
Input Voltage	220/240 V
Line Frequency	50 to 60 Hz
Initial CLO power consumption	41 W
Average CLO power consumption	46 W
End CLO power consumption	51 W
Inrush current	46 A
Inrush time	0.25 ms
Power Consumption	46 W
Power Factor (Fraction)	0.9
Connection	-
Cable	Cable 10 m without plug
Number of products on MCB of 16 A type B	8

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	Catenary bracket
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	(0.382, 0.380) SDCM <5
Power consumption tolerance	+/-10%
Init. Color Rendering Index Tolerance	+/-2

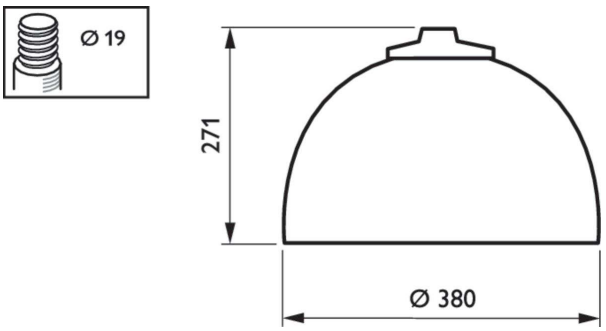
Over Time Performance (IEC Compliant)	
Control gear failure rate at median useful life 100000 h	10 %
Lumen maintenance at median useful life* 100000 h	L100

Application Conditions	
Performance ambient temperature Tq	25 °C

Product Data	
Full product code	871829156303700
Order product name	BSS443 GRN59-3S/740 II O-DC CLO C10K
Order code	919008632168
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	1
Material Nr. (12NC)	919008632168
Full product name	BSS443 GRN59-3S/740 II O-DC CLO C10K
EAN/UPC - Case	8718291563037
EAN/UPC - Product/Case	8718291563037

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Dimensional drawing



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