Copenhagen LED Small

BRS443 GRN59-3S/740 II DK GR CLO-DDF6

Little Copenhagen LED side entry, LED GreenLine 5900 lm, 740 neutral white, Safety class II, Distribution wet road (DK), Flat glass, Constant light output and DynaDimmer fixed presets version 6

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. * At extreme ambient temperatures the luminaire might automatically dim down to protect components
Light source engine type	LED
Product family code	BRS443 [Little Copenhagen LED side entry]
Lighting Technology	LED
Embedded control	Constant light output and DynaDimmer fixed presets version 6

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CE mark	Yes		Optic material	Polycarbonate
Warranty period	5 years		Optical cover material	Glass
Flammability mark	For mounting on normally flammable surfaces		Fixation material	Aluminum
ENEC mark	–		Housing Color	Gray
EU RoHS compliant	Yes		Mounting device	Side-entry for diameter 48 mm
			Optical cover shape	Flat
Light Technical			Optical cover finish	Clear
Upward light output ratio	0		Overall height	312 mm
Luminous Flux	4,960 lumen		Overall diameter	380 mm
Standard tilt angle posttop	0°		Effective projected area	0.08 m²
Standard tilt angle side entry	0°			
Correlated Color Temperature (Nom)	4000 K		**Approval and Application**	
Luminous Efficacy (rated) (Nom)	119 lm/W		Ingress protection code	IP65 [Dust penetration-protected, jet-proof]
Color rendering index (CRI)	≥70		Mech. impact protection code	IK08 [5 J vandal-protected]
Number of light sources	1		Surge Protection (Common/Differential)	Luminaire surge protection level until 6 kV
Light source color	740 neutral white			differential mode and 8 kV common mode
Optical cover type	Flat glass		Protection class IEC	Safety class II
Luminaire light beam spread	180°			
Optic type outdoor	Distribution wet road (DK)		**Initial Performance (IEC Compliant)**	
			Luminous flux tolerance	+/-7%
Operating and Electrical			Initial chromaticity	(0.382, 0.380) SDCM <5
Input Voltage	220/240 V		Power consumption tolerance	+/-10%
Line Frequency	50 to 60 Hz		Init. Color Rendering Index Tolerance	+/-2
Initial CLO power consumption	36 W			
Average CLO power consumption	41 W		**Over Time Performance (IEC Compliant)**	
End CLO power consumption	46 W		Control gear failure rate at median useful life 100000 h	10 %
Inrush current	46 A			
Inrush time	0.25 ms		Lumen maintenance at median useful life* 100000 h	L100
Power Consumption	46 W			
Power Factor (Fraction)	0.9			
Connection	–		**Application Conditions**	
Cable	Cable 10 m without plug		Performance ambient temperature Tq	25 °C
Number of products on MCB of 16 A type B	8			
			Product Data	
Temperature			Full product code	871829108381800
Ambient temperature range	–40 to +50 °C		Order product name	BRS443 GRN59-3S/740 II DK GR CLO-DDF6
			Order code	919008632085
Controls and Dimming			Numerator – Quantity Per Pack	1
Dimmable	No		Numerator – Packs per outer box	1
Driver/power unit/transformer	Power supply unit with DynaDimmer and constant light output (integrated)		Material Nr. (12NC)	919008632085
			Full product name	BRS443 GRN59-3S/740 II DK GR CLO-DDF6
Control interface	–		EAN/UPC – Case	8718291083818
Constant light output	Yes		EAN/UPC – Product/Case	8718291083818
Mechanical and Housing				
Reflector material	–			

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Dimensional drawing

Ø 48

100

312

Ø380