



# Copenhagen LED Small

## BRS443 GRN16-3S/830 II DK CLO-DDF6 C10K

Little Copenhagen LED side entry, LED GreenLine 1600 lm, 830 warm white, Safety class II, Distribution wet road (DK), Constant light output and DynaDimmer fixed presets version 6, 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	
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
Warranty period	5 years
Flammability mark	For mounting on normally flammable surfaces
ENEC mark	-
EU RoHS compliant	Yes

## 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)	98 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 wet road (DK)

## Operating and Electrical

Input Voltage	220/240 V
Line Frequency	50 to 60 Hz
Initial CLO power consumption	12 W
Average CLO power consumption	14 W
End CLO power consumption	16 W
Inrush current	27 A
Inrush time	0.265 ms
Power Consumption	16 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
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## Controls and Dimming

Dimmable	No
Driver/power unit/transformer	Power supply unit with DynaDimmer and constant light output (integrated)
Control interface	-
Constant light output	Yes

## Mechanical and Housing

Reflector material	-
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Optic material	Polycarbonate
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 life 100000 h	10 %
Lumen maintenance at median useful life* 100000 h	L100

## Application Conditions

Performance ambient temperature Tq	25 °C
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## Product Data

Full product code	871829156194100
Order product name	BRS443 GRN16-3S/830 II DK CLO-DDF6 C10K
Order code	919008632025
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	1
Material Nr. (12NC)	919008632025
Full product name	BRS443 GRN16-3S/830 II DK CLO-DDF6 C10K
EAN/UPC - Case	8718291561941
EAN/UPC - Product/Case	8718291561941

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### Dimensional drawing

