# **PHILIPS** Lighting



# Copenhagen LED Small

# BRS443 GRN48-3S/830 II O-DK CLO-DDF6 C10

Little Copenhagen LED side entry, LED GreenLine 4800 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	GRN48 [LED GreenLine 4800 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	BRS443 [Little Copenhagen LED side entry]
Lighting Technology	LED
Embedded control	Constant light output and DynaDimmer fixed
	presets version 6
CE mark	Yes
Warranty period	5 years
Flammability mark	For mounting on normally flammable surfaces

### Copenhagen LED Small

ENEC mark	-
EU RoHS compliant	Yes
Light Technical	
Upward light output ratio	0
Luminous Flux	4,000 lumen
Standard tilt angle posttop	O°
Standard tilt angle side entry	O°
Correlated Color Temperature (Nom)	3000 K
Luminous Efficacy (rated) (Nom)	84 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)

220/240 V

50 to 60 Hz 41 W

46 W

51 W

46 A

46 W

0.9

0.25 ms

Cable 10 m without plug

-40 to +50 °C

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**

Full product code	871829108273600
Order product name	BRS443 GRN48-3S/830 II O-DK CLO-DDF6
	C10
Order code	919008632058
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	1
Material Nr. (12NC)	919008632058
Full product name	BRS443 GRN48-3S/830 II O-DK CLO-DDF6
	C10
EAN/UPC - Case	8718291082736
EAN/UPC - Product/Case	8718291082736

Number of products of MCB of 16 A type o	Number of products on MCB of 16 A type	8
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**Operating and Electrical** 

Initial CLO power consumption Average CLO power consumption

End CLO power consumption

Input Voltage

Line Frequency

Inrush current

Power Consumption

Power Factor (Fraction)

Inrush time

Connection

Cable

Temperature

Ambient temperature range

Optical cover material

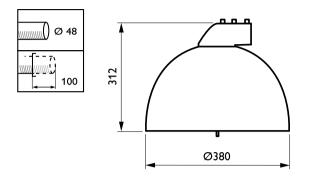
Controls and Dimming	
Dimmable	No
Driver/power unit/transformer	Power supply unit with DynaDimmer and
	constant light output (integrated)
Control interface	-
Constant light output	Yes
Mechanical and Housing	
Reflector material	-
Optic material	Polycarbonate

Glass

в

## Copenhagen LED Small

#### Dimensional drawing





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