# **PHILIPS** Lighting



# Copenhagen LED Small

# BRS443 GRN32-3S/830 II DC GR CLO-DDF6

Little Copenhagen LED side entry, LED GreenLine 3200 lm, 830 warm white, Safety class II, Distribution comfort, 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	GRN32 [LED GreenLine 3200 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
CE mark	Yes
Warranty period	5 years
Flammability mark	For mounting on normally flammable surfaces
ENEC mark	-

### Copenhagen LED Small

EU RoHS compliant	Yes
Light Technical	
Upward light output ratio	0
Luminous Flux	2,480 lumen
Standard tilt angle posttop	0°
Standard tilt angle side entry	O°
Correlated Color Temperature (Nom)	3000 K
Luminous Efficacy (rated) (Nom)	89 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 comfort

#### **Operating and Electrical**

Input Voltage	220/240 V
Line Frequency	50 to 60 Hz
Initial CLO power consumption	24 W
Average CLO power consumption	28 W
End CLO power consumption	31 W
Inrush current	27 A
Inrush time	0.265 ms
Power Consumption	31 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 with DynaDimmer and constant light output (integrated) Control interface \_ Constant light output Yes Mechanical and Housing **Reflector material** Polycarbonate

-40 to +50 °C

Optic material

Optical cover material	Glass
Fixation material	Aluminum
Housing Color	Grey
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

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

Safety class II

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

#### **Application Conditions**

Protection class IEC

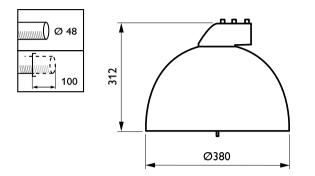
Performance ambient temperature Tq 25 °C

#### **Product Data**

Full product code	871829156213900
Order product name	BRS443 GRN32-3S/830 II DC GR CLO-DDF6
Order code	919008632023
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	1
Material Nr. (12NC)	919008632023
Full product name	BRS443 GRN32-3S/830 II DC GR CLO-DDF6
EAN/UPC - Case	8718291562139
EAN/UPC - Product/Case	8718291562139

## Copenhagen LED Small

#### Dimensional drawing





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