# **PHILIPS** Lighting



# Copenhagen LED Small

# BRS443 GRN16-3S/830 II O-DC CLO-DDF6 C10

Little Copenhagen LED side entry, LED GreenLine 1600 lm, 830 warm white, Safety class II, Distribution comfort, 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

### Copenhagen LED Small

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	O°	
Correlated Color Temperature (Nom)	3000 K	
Luminous Efficacy (rated) (Nom)	70 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	17 W	
Average CLO power consumption	19 W	

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	optical cover ministr	eteur		
0	Overall height	312 mm		
1,400 lumen	Overall diameter	380 mm		
0°	Effective projected area	0.08 m <sup>2</sup>		
0°				
3000 K	Approval and Application			
70 lm/W	Ingress protection code	IP65 [Dust penetration-protected, jet-proof]		
≥80	Mech. impact protection code	IK08 [5 J vandal-protected]		
1	Surge Protection (Common/Differential)	Luminaire surge protection level until 6 kV		
830 warm white		differential mode and 8 kV common mode		
Flat glass	Protection class IEC	Safety class II		
180°				
Distribution comfort	Initial Performance (IEC Compliant	Initial Performance (IEC Compliant)		
	Luminous flux tolerance	+/-7%		
	Initial chromaticity	(0.434, 0.403) SDCM <5		
220/240 V	Power consumption tolerance	+/-10%		
50 to 60 Hz	Init. Color Rendering Index Tolerance	+/-2		
17 W				
19 W	Over Time Performance (IEC Comp	liant)		
21 W	Control gear failure rate at median	10 %		
27 A	useful life 100000 h			
0.265 ms	Lumen maintenance at median useful	L100		
19 W	life* 100000 h			
0.9				
-	Application Conditions			
Cable 10 m without plug	Performance ambient temperature Tq	25 °C		
20				
	Product Data			
	Full product code	871829108347400		
	Order product name	BRS443 GRN16-3S/830 II O-DC CLO-DDF6		
-40 to +50 °C		C10		
	Order code	919008632070		
	Numerator - Quantity Per Pack	1		
No	Numerator - Packs per outer box	1		
Power supply unit with DynaDimmer and	Material Nr. (12NC)	919008632070		
constant light output (integrated)	Full product name	BRS443 GRN16-35/830 II O-DC CLO-DDF6		
		C10		
Yes	EAN/UPC - Case	8718291083474		
	EAN/UPC - Product/Case	8718291083474		

Polycarbonate

Side-entry for diameter 48 mm

Glass

Opal

Flat

Clear

Aluminum

Optic material

Fixation material

Mounting device

Optical cover shape

Optical cover finish

Housing Color

Optical cover material

Mechanical	and	Housing

End CLO power consumption

Number of products on MCB of 16 A

Inrush current

Power Consumption Power Factor (Fraction)

Inrush time

Connection

Cable

type B

Temperature

Dimmable

Ambient temperature range

Controls and Dimming

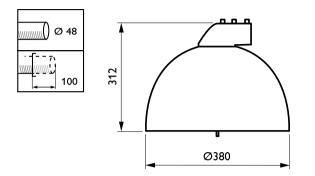
Driver/power unit/transformer

**Reflector material** 

Control interface Constant light output

## Copenhagen LED Small

#### Dimensional drawing





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