# **PHILIPS** Lighting



# Copenhagen LED Small

# BRS443 GRN16-3S/830 II DW GR CLO-DDF6

Little Copenhagen LED side entry, LED GreenLine 1600 lm, 830 warm white, Safety class II, Distribution wide, 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	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
CE mark	Yes
Warranty period	5 years
Flammability mark	For mounting on normally flammable surfaces
ENEC mark	-

# Copenhagen LED Small

0
1,400 lumen
0°
0°
3000 K
98 lm/W
≥80
1
830 warm white
Flat glass
180°
Distribution wide

#### **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	20
type B	

#### 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	-

-40 to +50 °C

Optic material

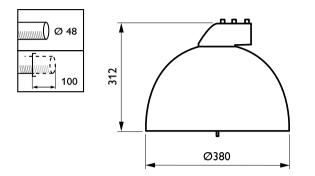
Polycarbonate

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	
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 Comp	liant)	
Control gear failure rate at median	10 %	
useful 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	871829108094700	
Order product name	BRS443 GRN16-3S/830 II DW GR CLO-DDF6	
Order code	919008632041	
Numerator - Quantity Per Pack	1	
Numerates. Deales new system k	1	

Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	1
Material Nr. (12NC)	919008632041
Full product name	BRS443 GRN16-3S/830 II DW GR CLO-DDF6
EAN/UPC - Case	8718291080947
EAN/UPC - Product/Case	8718291080947

# Copenhagen LED Small

### Dimensional drawing





© 2023 Signify Holding All rights reserved. Signify does not give any representation or warranty as to the accuracy or completeness of the information included herein and shall not be liable for any action in reliance thereon. The information presented in this document is not intended as any commercial offer and does not form part of any quotation or contract, unless otherwise agreed by Signify. Philips and the Philips Shield Emblem are registered trademarks of Koninklijke Philips N.V.

www.lighting.philips.com 2023, September 4 - data subject to change