# **PHILIPS** Lighting



# Copenhagen LED Small

# BRS443 GRN40-3S/830 II O-DK CLO-DDF6

Little Copenhagen LED side entry, LED GreenLine 4000 lm, 830 warm white, Safety class II, Distribution wet road (DK), 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	GRN40 [LED GreenLine 4000 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	3,440 lm
Standard tilt angle posttop	0°
Standard tilt angle side entry	0°
Correlated Color Temperature (Nom)	3000 K
Luminous Efficacy (rated) (Nom)	83 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	35 W
Average CLO power consumption	40 W
End CLO power consumption	44 W
Inrush current	46 A
Inrush time	0.25 ms
Power Consumption	40 W
Power Factor (Fraction)	0.9
Connection	-
Cable	Cable 10 m without plug
Number of products on MCB of 16 A	8
type B	

-40 to +50 °C

Yes

#### 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

#### Mechanical and Housing

Constant light output

Reflector material

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 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	
Order product name	BRS443 GRN40-3S/830 II O-DK CLO-DDF6
Full product name	BRS443 GRN40-3S/830 II O-DK CLO-DDF6
Full product code	871829198604100
Order code	98604100
Material Nr. (12NC)	919008632192
Numerator - Quantity Per Pack	1

1

8718291986041

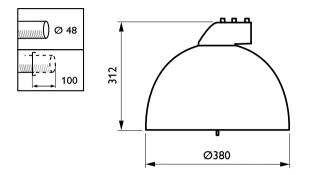
2

Numerator - Packs per outer box

EAN/UPC - Case

## Copenhagen LED Small

#### Dimensional drawing





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