# **PHILIPS** Lighting



# Copenhagen LED Small

# BRS443 GRN39-3S/740 II O-DC CLO-DDF6 C10

Little Copenhagen LED side entry, LED GreenLine 3900 lm, 740 neutral 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	GRN39 [LED GreenLine 3900 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	3,280 lumen
Standard tilt angle posttop	0°
Standard tilt angle side entry	0°
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	95 lm/W
Color rendering index (CRI)	≥70
Number of light sources	1
Light source color	740 neutral white
Optical cover type	Flat glass
Luminaire light beam spread	180°
Optic type outdoor	Distribution comfort
Operating and Electrical	

Operating and Electrical	
Input Voltage	220/240 V
Line Frequency	50 to 60 Hz
Initial CLO power consumption	30 W
Average CLO power consumption	33 W
End CLO power consumption	37 W
Inrush current	46 A
Inrush time	0.25 ms
Power Consumption	33 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

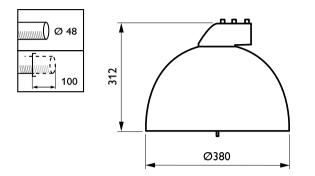
Controls and Dimming	
Dimmable	No
Driver/power unit/transformer	Power supply unit with DynaDimmer and
	constant light output (integrated)
Control interface	-
Constant light output	Yes
Mechanical and Housing	
Reflector material	-

-40 to +50 °C

Optic material	Polycarbonate
Optical cover material	Glass
Fixation material	Aluminum
Housing Color	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	(0.382, 0.380) SDCM <5
Power consumption tolerance	+/-10%
Init. Color Rendering Index Tolerance	+/-2
Over Time Performance (IEC Comp	liant)
Over Time Performance (IEC Comp Control gear failure rate at median	liant) 10 %
Control gear failure rate at median	
Control gear failure rate at median useful life 100000 h	10 %
Control gear failure rate at median useful life 100000 h Lumen maintenance at median useful	10 %
Control gear failure rate at median useful life 100000 h Lumen maintenance at median useful	10 %
Control gear failure rate at median useful life 100000 h Lumen maintenance at median useful life* 100000 h	10 %
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Control gear failure rate at median useful life 100000 h Lumen maintenance at median useful life* 100000 h Application Conditions Performance ambient temperature Tq Product Data Full product code	10 % L100 25 °C 871829198692800
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Control gear failure rate at median useful life 100000 h Lumen maintenance at median useful life* 100000 h Application Conditions Performance ambient temperature Tq Product Data Full product code Order product name	10 % L100 25 °C 871829198692800 BRS443 GRN39-3S/740 II O-DC CLO-DDF6 C10
Control gear failure rate at median useful life 100000 h Lumen maintenance at median useful life* 100000 h Application Conditions Performance ambient temperature Tq Product Data Full product code Order product name Order code	10 % L100 25 °C 871829198692800 BRS443 GRN39-3S/740 II O-DC CLO-DDF6 C10 919008632269
Control gear failure rate at median useful life 100000 h Lumen maintenance at median useful life* 100000 h Application Conditions Performance ambient temperature Tq Product Data Full product code Order product name Order code Numerator - Quantity Per Pack	10 % L100 25 °C 871829198692800 BRS443 GRN39-3S/740 II O-DC CLO-DDF6 C10 919008632269 1
Control gear failure rate at median useful life 100000 h Lumen maintenance at median useful life* 100000 h Application Conditions Performance ambient temperature Tq Product Data Full product code Order product name Order code Numerator - Quantity Per Pack Numerator - Packs per outer box	10 % L100 25 °C 871829198692800 BRS443 GRN39-3S/740 II O-DC CLO-DDF6 C10 919008632269 1 1
Control gear failure rate at median useful life 100000 h Lumen maintenance at median useful life* 100000 h Application Conditions Performance ambient temperature Tq Product Data Full product code Order product name Order code Numerator - Quantity Per Pack Numerator - Packs per outer box Material Nr. (12NC)	10 % L100 L100 25 ℃ 871829198692800 BR5443 GRN39-3S/740 II O-DC CLO-DDF6 C10 919008632269 1 1 1 919008632269
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## Copenhagen LED Small

#### Dimensional drawing





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