



# Copenhagen LED Small

## BRS443 GRN78-3S/740 II O-DP-R CLO-DDF1

Little Copenhagen LED side entry, LED GreenLine 7800 lm, 740 neutral white, Safety class II, Distribution pedestrian crossing right, Constant light output and DynaDimmer fixed presets version 1

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	GRN78 [LED GreenLine 7800 lm]	B10. Therefore, the median useful life (B50) value also represents the B10 value.	
Light source replaceable	Yes	Light source engine type	LED
Number of gear units	1 unit	Product family code	BRS443 [Little Copenhagen LED side entry]
Driver included	Yes	Lighting Technology	LED
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	Embedded control	Constant light output and DynaDimmer fixed presets version 1
		CE mark	Yes
		Warranty period	5 years
		Flammability mark	For mounting on normally flammable surfaces

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ENEC mark	-
EU RoHS compliant	Yes

## Light Technical

Upward light output ratio	0
Luminous Flux	6,560 lumen
Standard tilt angle posttop	0°
Standard tilt angle side entry	0°
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	106 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 pedestrian crossing right

## Operating and Electrical

Input Voltage	220/240 V
Line Frequency	50 to 60 Hz
Initial CLO power consumption	52 W
Average CLO power consumption	59 W
End CLO power consumption	65 W
Inrush current	46 A
Inrush time	0.25 ms
Power Consumption	59 W
Power Factor (Fraction)	0.9
Connection	-
Cable	Cable 10 m without plug
Number of products on MCB of 16 A type B	8

## Temperature

Ambient temperature range	-40 to +50 °C
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## 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	-
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 Compliant)

Control gear failure rate at median useful life 100000 h	10 %
Lumen maintenance at median useful life* 100000 h	L100

## Application Conditions

Performance ambient temperature Tq	25 °C
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## Product Data

Full product code	871829198682900
Order product name	BRS443 GRN78-3S/740 II O-DP-R CLO-DDF1
Order code	919008632261
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	1
Material Nr. (12NC)	919008632261
Full product name	BRS443 GRN78-3S/740 II O-DP-R CLO-DDF1
EAN/UPC - Case	8718291986829
EAN/UPC - Product/Case	8718291986829

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## Dimensional drawing

