PHILIPS Lighting



Copenhagen LED Big

BRS441 GRN98-3S/740 II DC CLO-DDF1 C10K

Big Copenhagen LED side entry, LED GreenLine 9800 lm, 740 neutral white, Safety class II, Distribution comfort, Constant light output and DynaDimmer fixed presets version 1, 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			might automatically dim down to protect
Lamp family code	GRN98 [LED GreenLine 9800 lm]		components
Light source replaceable	Yes	Light source engine type	LED
Number of gear units	1 unit	Product family code	BRS441 [Big Copenhagen LED side entry]
Driver included	Yes	Lighting Technology	LED
Remarks	*-Per Lighting Europe guidance paper	Embedded control	Constant light output and DynaDimmer fixed
	"Evaluating performance of LED based		presets version 1
	luminaires - January 2018": statistically there	CE mark	Yes
	is no relevant difference in lumen	Warranty period	5 years
	maintenance between B50 and for example	Flammability mark	For mounting on normally flammable surfaces
	B10. Therefore, the median useful life (B50)	ENEC mark	-
	value also represents the B10 value. * At	EU RoHS compliant	Yes
	extreme ambient temperatures the luminaire		

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Light Technical	
Upward light output ratio	0
Luminous Flux	8,240 lumen
Standard tilt angle posttop	O°
Standard tilt angle side entry	O°
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	125 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

220/240 V

Fixation material	Aluminum
Housing Color	Opal
Mounting device	Side-entry for diameter 48 mm
Optical cover shape	Flat
Optical cover finish	Clear
Overall height	367 mm
Overall diameter	462 mm
Effective projected area	0.13 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 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	871829198616400
Order product name	BRS441 GRN98-3S/740 II DC CLO-DDF1 C10K
Order code	919008632196
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	1
Material Nr. (12NC)	919008632196
Full product name	BRS441 GRN98-3S/740 II DC CLO-DDF1 C10K
EAN/UPC - Case	8718291986164
EAN/UPC - Product/Case	8718291986164

Line Frequency	50 to 60 Hz
Initial CLO power consumption	57 W
Average CLO power consumption	65 W
End CLO power consumption	73 W
Inrush current	53 A
Inrush time	0.30 ms
Power Consumption	65 W
Power Factor (Fraction)	0.9
Connection	-
Cable	Cable 10 m without plug
Number of products on MCB of 16 A type	2 8
В	
Temperature	

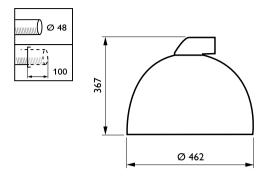
Operating and Electrical

Input Voltage

Ambient temperature range	-40 to +50 °C
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

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Dimensional drawing





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