PHILIPS Lighting



Copenhagen LED Big

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

Big Copenhagen LED side entry, LED GreenLine 9800 lm, 740 neutral white, Safety class II, Distribution comfort, Flat glass, Constant light output, 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	GRN98 [LED GreenLine 9800 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.
Light source engine type	LED
Product family code	BRS441 [Big Copenhagen LED side entry]

Lighting Technology	LED
Embedded control	Constant light output
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	8,240 lumen
Standard tilt angle posttop	0°
Standard tilt angle side entry	0°

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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

Operating and Electrical

220/240 V
50 to 60 Hz
57 W
65 W
73 W
53 A
0.30 ms
73 W
0.9
-
Cable 10 m without plug
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Temperature		
Ambient temperature range	-40 to +50 °C	

Controls and Dimming

Controts and Dimining	
Dimmable	No
Driver/power unit/transformer	Power supply unit regulating with constant
	light output
Control interface	-
Constant light output	Yes
Mechanical and Housing	
Reflector material	-
Optic material	Polycarbonate
Optical cover material	Glass
Fixation material	Aluminum
Housing Color	Gray
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 m ²
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 Compli	ant)
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
Product Data	
Full product code	871829198725300
Order product name	BRS441 GRN98-35/740 II DC GR CLO C10K
Order code	919008632292
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	1
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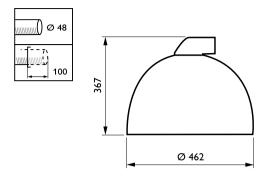
Material Nr. (12NC)

Full product name EAN/UPC - Case

EAN/UPC - Product/Case

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Dimensional drawing





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