

Copenhagen LED Big

BRS441 GRN96-3S/830 II DK GR CLO-DDF6

Big Copenhagen LED side entry, LED GreenLine 9600 lm, 830 warm white, Safety class II, Distribution wet road (DK), Flat glass, 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	GRN96 [LED GreenLine 9600 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	BRS441 [Big 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	-
EU RoHS compliant	Yes

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Light Technical	
Upward light output ratio	0
Luminous Flux	8,160 lm
Standard tilt angle posttop	0°
Standard tilt angle side entry	0°
Correlated Color Temperature (Nom)	3000 K
Luminous Efficacy (rated) (Nom)	97 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	72 W
Average CLO power consumption	82 W
End CLO power consumption	92 W
Inrush current	53 A
Inrush time	0.30 ms
Power Consumption	92 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

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	Grey
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	(0.434, 0.403) SDCM <5
Power consumption tolerance	+/-10%
Init. Color Rendering Index Tolerance	+/-2

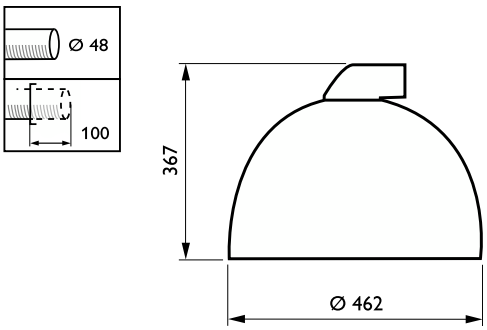
Over Time Performance (IEC Compliant)	
Control gear failure rate at median useful life 100000 h	10 %
Lumen maintenance at median useful life* 100000 h	L100

Application Conditions	
Performance ambient temperature Tq	25 °C

Product Data	
Order product name	BRS441 GRN96-3S/830 II DK GR CLO-DDF6
Full product name	BRS441 GRN96-3S/830 II DK GR CLO-DDF6
Full product code	871829156327300
Order code	56327300
Material Nr. (12NC)	919008632171
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718291563273
Numerator - Packs per outer box	1
EAN/UPC - Case	8718291563273

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Dimensional drawing



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