Copenhagen LED Big

BRS441 GRN68-3S/740 II O-DK C10K

Big Copenhagen LED side entry, LED GreenLine 6800 lm, 740 neutral white, Safety class II, Distribution wet road (DK), 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	GRN68 [LED GreenLine 6800 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	-
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

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Luminous Flux	5,760 lumen		Optical cover shape	Flat
Standard tilt angle posttop	0°		Optical cover finish	Clear
Standard tilt angle side entry	0°		Overall height	367 mm
Correlated Color Temperature (Nom)	4000 K		Overall diameter	462 mm
Luminous Efficacy (rated) (Nom)	110 lm/W		Effective projected area	0.13 m²
Color rendering index (CRI)	≥70			
Number of light sources	1		**Approval and Application**	
Light source color	740 neutral white		Ingress protection code	IP65 [Dust penetration-protected, jet-proof]
Optical cover type	Flat glass		Mech. impact protection code	IK08 [5 J vandal-protected]
Luminaire light beam spread	180°		Surge Protection (Common/Differential)	Luminaire surge protection level until 6 kV
Optic type outdoor	Distribution wet road (DK)			differential mode and 8 kV common mode
			Protection class IEC	Safety class II
Operating and Electrical				
Input Voltage	220/240 V		**Initial Performance (IEC Compliant)**	
Line Frequency	50 to 60 Hz		Luminous flux tolerance	+/-7%
Inrush current	46 A		Initial chromaticity	(0.382, 0.380) SDCM <5
Inrush time	0.25 ms		Power consumption tolerance	+/-10%
Power Consumption	57 W		Init. Color Rendering Index Tolerance	+/-2
Power Factor (Fraction)	0.9			
Connection	–		**Over Time Performance (IEC Compliant)**	
Cable	Cable 10 m without plug		Control gear failure rate at median useful life 100000 h	10 %
Number of products on MCB of 16 A type B	8		Lumen maintenance at median useful life* 100000 h	L80
Temperature				
Ambient temperature range	–40 to +50 ℃		**Application Conditions**	
			Performance ambient temperature Tq	25 ℃
Controls and Dimming				
Dimmable	No		**Product Data**	
Driver/power unit/transformer	Power supply unit regulating		Full product code	871829108092300
Control interface	–		Order product name	BRS441 GRN68-3S/740 II O-DK C10K
Constant light output	No		Order code	919008632040
			Numerator – Quantity Per Pack	1
Mechanical and Housing			Numerator – Packs per outer box	1
Reflector material	–		Material Nr. (12NC)	919008632040
Optic material	Polycarbonate		Full product name	BRS441 GRN68-3S/740 II O-DK C10K
Optical cover material	Glass		EAN/UPC – Case	8718291080923
Fixation material	Aluminum		EAN/UPC – Product/Case	8718291080923
Housing Color	Opal			
Mounting device	Side-entry for diameter 48 mm			

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Dimensional drawing

Ø 48

100

367

Ø 462

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2023, September 4 – data subject to change