



# Copenhagen LED Big

## BRS441 GRN40-3S/830 II DK GR CLO-DDF6

Big Copenhagen LED side entry, LED GreenLine 4000 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	GRN40 [LED GreenLine 4000 lm]		might automatically dim down to protect 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 "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	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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<b>Light Technical</b>	
Upward light output ratio	0
Luminous Flux	3,440 lumen
Standard tilt angle posttop	0°
Standard tilt angle side entry	0°
Correlated Color Temperature (Nom)	3000 K
Luminous Efficacy (rated) (Nom)	99 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)
<b>Operating and Electrical</b>	
Input Voltage	220/240 V
Line Frequency	50 to 60 Hz
Initial CLO power consumption	30 W
Average CLO power consumption	35 W
End CLO power consumption	39 W
Inrush current	46 A
Inrush time	0.25 ms
Power Consumption	39 W
Power Factor (Fraction)	0.9
Connection	-
Cable	Cable 10 m without plug
Number of products on MCB of 16 A type B	8
<b>Temperature</b>	
Ambient temperature range	-40 to +50 °C
<b>Controls and Dimming</b>	
Dimmable	No
Driver/power unit/transformer	Power supply unit with DynaDimmer and constant light output (integrated)
Control interface	-
Constant light output	Yes
<b>Mechanical and Housing</b>	
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
<b>Approval and Application</b>	
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
<b>Initial Performance (IEC Compliant)</b>	
Luminous flux tolerance	+/-7%
Initial chromaticity	(0.434, 0.403) SDCM <5
Power consumption tolerance	+/-10%
Init. Color Rendering Index Tolerance	+/-2
<b>Over Time Performance (IEC Compliant)</b>	
Control gear failure rate at median useful life 100000 h	10 %
Lumen maintenance at median useful life* 100000 h	L100
<b>Application Conditions</b>	
Performance ambient temperature Tq	25 °C
<b>Product Data</b>	
Full product code	871829108117300
Order product name	BRS441 GRN40-3S/830 II DK GR CLO-DDF6
Order code	919008632049
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	1
Material Nr. (12NC)	919008632049
Full product name	BRS441 GRN40-3S/830 II DK GR CLO-DDF6
EAN/UPC - Case	8718291081173
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## Dimensional drawing

