



Copenhagen LED Big

BDS441 GRN59-3S/740 II DC GR RF C13K

Big Copenhagen LED central, LED GreenLine 5900 lm, 740 neutral white, Safety class II, Distribution comfort, Flat glass, Cable 13 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		Lighting Technology	
Lamp family code	GRN59 [LED GreenLine 5900 lm]	Embedded control	-
Light source replaceable	Yes	CE mark	Yes
Number of gear units	1 unit	Warranty period	5 years
Driver included	Yes	Flammability mark	For mounting on normally flammable surfaces
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.	ENEC mark	-
Light source engine type	LED	EU RoHS compliant	Yes
Product family code	BDS441 [Big Copenhagen LED central]	Light Technical	
		Upward light output ratio	0
		Luminous Flux	4,960 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)	121 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

Input Voltage	220/240 V
Line Frequency	50 to 60 Hz
Inrush current	46 A
Inrush time	0.25 ms
Power Consumption	53 W
Power Factor (Fraction)	0.9
Connection	-
Cable	Cable 13 m without plug
Number of products on MCB of 16 A type B	8

Temperature

Ambient temperature range	-40 to +50 °C
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Controls and Dimming

Dimmable	Yes
Driver/power unit/transformer	Power supply unit regulating
Control interface	DALI
Constant light output	No

Mechanical and Housing

Reflector material	-
Optic material	Polycarbonate
Optical cover material	Glass
Fixation material	Aluminum
Housing Color	Grey
Mounting device	-
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 useful life 100000 h	10 %
Lumen maintenance at median useful life* 100000 h	L80

Application Conditions

Performance ambient temperature Tq	25 °C
Maximum dim level	10%

Product Data

Full product code	871829156086900
Order product name	BDS441 GRN59-3S/740 II DC GR RF C13K
Order code	919008632132
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	1
Material Nr. (12NC)	919008632132
Full product name	BDS441 GRN59-3S/740 II DC GR RF C13K
EAN/UPC - Case	8718291560869
EAN/UPC - Product/Case	8718291560869

