



Copenhagen LED gen2 large & mega

BSS563 LED300/830IIGL-DM50 CLO-LS850C10K

Copenhagen LED gen2 mega, LED module 30000 lm, LED, 210 W, Power supply unit with DynaDimmer and constant light output (integrated), Distribution medium 50, Flat glass, Suspension set simple, standard

The original Copenhagen luminaire was co-designed with Copenhagen's Office of City Architecture in the 1960s with the aim of enhancing the aesthetic appeal of the city through lighting. This timeless luminaire design comes in two types: Copenhagen City LED Gen2 is for city and residential areas where light comfort is important; Copenhagen LED Gen2 delivers high performance for road lighting applications. The second generation of Copenhagen LED is available in a range of sizes, from mini to mega. This makes it suitable for any type of application while ensuring the dimensions of the luminaire and pole are well balanced, so every installation blends harmoniously into its surroundings. Various suspensions are available, allowing a variety of mounting options to provide maximum freedom during installation. Thanks to the built in Philips LEDGINE-O engine, and the wide range of application-tailored optics, Copenhagen LED luminaires deliver the right amount of light and in the right direction on your street, enabling important energy savings. The luminaire is available with one or two Zhaga-D4i (ZD4i) System Ready (SR) sockets, which makes the luminaire future ready. This means Copenhagen LED Gen2 is ready to pair with advanced control and lighting software applications such as Interact, or sensors such as the Philips Outdoor Sensor Bundle (OSB). And because the top SR socket is integrated into the canopy, it has no impact on the beautiful, clean design of the luminaire. Furthermore, every Copenhagen LED Gen2 BPS559, BRS561, BRS562 and BRS563 luminaire is uniquely identifiable, thanks to the Signify Service tag app. By simply scanning a QR code, placed inside the door of the mast or directly on the luminaire, you can instantly access the configuration of the luminaire. This makes maintenance and programming operations faster and easier and enables you to create a digital library of lighting assets and spare parts.

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Product data

General Information	
Lamp family code	LED300 [LED module 30000 lm]
Light source replaceable	Yes
Number of gear units	1 unit
Driver included	Yes
Remarks	* At extreme ambient temperatures the luminaire might automatically dim down to protect components
Light source engine type	LED
Product family code	BSS563 [Copenhagen LED gen2 mega]
Lighting Technology	LED
Value ladder	Specification
CE mark	Yes
Warranty period	5 years
Flammability mark	-
ENEC mark	ENEC mark
EU RoHS compliant	Yes
Light Technical	
Upward light output ratio	0
Luminous Flux	24,360 lm
Standard tilt angle posttop	0°
Standard tilt angle side entry	0°
Correlated Color Temperature (Nom)	3000 K
Luminous Efficacy (rated) (Nom)	116 lm/W
Color rendering index (CRI)	≥80
Light source color	830 warm white
Optical cover type	Flat glass
Luminaire light beam spread	-
Optic type outdoor	Distribution medium 50
Operating and Electrical	
Input Voltage	220/240 V
Line Frequency	50 to 60 Hz
Initial CLO power consumption	210 W
Average CLO power consumption	215 W
End CLO power consumption	220 W
Inrush current	53 A
Inrush time	0.3 ms
Power Consumption	210 W
Power Factor (Fraction)	0.99
Connection	-
Cable	Cable 10 m without plug
Number of products on MCB of 16 A type B	8
Temperature	
Ambient temperature range	-40 to +25 °C

Controls and Dimming	
Dimmable	Yes
Driver/power unit/transformer	Power supply unit with DynaDimmer and constant light output (integrated)
Control interface	-
Constant light output	Yes
Mechanical and Housing	
Housing Material	Polyethylene
Reflector material	-
Optic material	Polymethyl methacrylate
Optical cover material	Glass
Fixation material	Aluminum
Housing Color	White
Mounting device	Suspension set simple, standard
Optical cover shape	Flat
Optical cover finish	Clear
Overall length	560 mm
Overall width	560 mm
Overall height	397 mm
Overall diameter	560 mm
Effective projected area	0.2 m²
Dimensions (Height x Width x Depth)	397 x 560 x 560 mm
Approval and Application	
Ingress protection code	IP66 [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 6 kV common mode
Sustainability rating	Lighting for circularity
Protection class IEC	Safety class II
Initial Performance (IEC Compliant)	
Luminous flux tolerance	+/-7%
Initial chromaticity	(0.4339, 0.4032) SDCM <5
Power consumption tolerance	+/-10%
Init. Color Rendering Index Tolerance	+/-2
Over Time Performance (IEC Compliant)	
Driver failure rate at 5000 h	0.01 %
Control gear failure rate at median useful life 100000 h	10 %
Lumen maintenance at median useful life* 100000 h	L100

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Application Conditions	
Performance ambient temperature Tq	25 °C
Product Data	
Order product name	BSS563 LED300/830IIGL-DM50 CLO-LS850C10K
Full product name	BSS563 LED300/830IIGL-DM50 CLO-LS850C10K
Full product code	871951409082800

Order code	919008634406
Material Nr. (12NC)	919008634406
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8719514090828
Numerator - Packs per outer box	1
EAN/UPC - Case	8719514090828

Dimensional drawing

