



Copenhagen LED gen2 large & mega

BRS562 LED80/830II DM50 GR CLOLS850 C10K

Copenhagen gen2 LED Large, LED module 8000 lm, LED, 57 W, Power supply unit with DynaDimmer and constant light output (integrated), Distribution medium 50, Flat glass, Side-entry for diameter 48 mm

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.

Copenhagen LED gen2 large & mega

Product data

General Information	
Lamp family code	LED80 [LED module 8000 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	BRS562 [Copenhagen gen2 LED Large]
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	6,786 lm
Standard tilt angle posttop	0°
Standard tilt angle side entry	0°
Correlated Color Temperature (Nom)	3000 K
Luminous Efficacy (rated) (Nom)	119 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	57 W
Average CLO power consumption	58 W
End CLO power consumption	58 W
Inrush current	53 A
Inrush time	0.3 ms
Power Consumption	57 W
Power Factor (Fraction)	0.98
Connection	-
Cable	Cable 10 m without plug
Number of products on MCB of 16 A type B	8

Temperature

Ambient temperature range	-30 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	Gray
Mounting device	Side-entry for diameter 48 mm
Optical cover shape	Flat
Optical cover finish	Clear
Overall length	460 mm
Overall width	460 mm
Overall height	368 mm
Overall diameter	460 mm
Effective projected area	0.13 m²
Dimensions (Height x Width x Depth)	368 x 460 x 460 mm

Approval and Application

Ingress protection code	IP66 [Dust penetration-protected, jet-proof]
Mech. impact protection code	IK07 [2 J reinforced]
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

Copenhagen LED gen2 large & mega

Application Conditions

Performance ambient temperature Tq 25 °C

Product Data

Order product name	BRS562 LED80/830II DM50 GR CLOLS850 C10K
Full product name	BRS562 LED80/830II DM50 GR CLOLS850 C10K
Full product code	871951409073600

Order code	919008634397
------------	--------------

Material Nr. (12NC)	919008634397
---------------------	--------------

Numerator - Quantity Per Pack	1
-------------------------------	---

EAN/UPC - Product/Case	8719514090736
------------------------	---------------

Numerator - Packs per outer box	1
---------------------------------	---

EAN/UPC - Case	8719514090736
----------------	---------------

Dimensional drawing

