



Copenhagen LED gen2 large & mega, Urban road & street light, 120 W, 15306 lm, 3000 K, CRI80, GPRS network, Distribution medium 50, Safety class II, IP66, SRG6-6

Urban road & street light, Polyethylene, White, Suspension set simple, standard, Power supply unit with DALI and SystemReady interface and constant light output (integrated), Constant light output, 15306 lm, 120 W, 112 lm/W, 3000 K, (0.4339, 0.4032) SDCM <5, CRI80, Distribution medium 50, IP66 | Dust penetration-protected, jet-proof, IK07 | 2 J reinforced, Safety class II, Surge protection level until 6 kV differential mode and 6 kV common mode, Cable 10 m without plug

General Information

Lamp family code	LED170 [LED module 17000 lm]
Light source replaceable	Yes
Number of gear units	1 unit
Driver included	Yes
Light source engine type	LED
Service tag	Yes
Lighting Technology	LED
Value ladder	Specification
Warranty period	5 years

Light Technical

Upward light output ratio	0
Luminous Flux	15,306 lm
Correlated Color Temperature (Nom)	3000 K
Luminous Efficacy (rated) (Nom)	112 lm/W
Color rendering index (CRI)	80
Light source color	830 warm white
Luminaire light beam spread	-
Optic type outdoor	Distribution medium 50
Effective projected area	0.13 m ²

Operating and Electrical

Input Voltage	220/240 V
Line Frequency	50 to 60 Hz
Initial CLO power consumption	120 W
Average CLO power consumption	124 W
End CLO power consumption	126 W
Inrush current	53 A
Inrush time	0.3 ms
Power Consumption	120 W
Power Factor (Fraction)	0.97
Connection	-
Cable	Cable 10 m without plug
Number of products on MCB of 16 A type B	15

Protection class IEC	Safety class II
Surge Protection (Common/Differential)	Surge protection level until 6 kV differential mode and 6 kV common mode

Controls and Dimming

Dimmable	Yes
Driver/power unit/transformer	Power supply unit with DALI and SystemReady interface and constant light output (integrated)
Control interface	GPRS network
Constant light output	Yes
DALI Standard	DALI-2™
Maximum dim level	50%
Embedded control	Constant light output

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	460 mm
Overall width	460 mm
Overall height	335 mm
Overall diameter	460 mm
Dimensions (Height x Width x Depth)	335 x 460 x 460 mm
Ingress protection code	IP66 [Dust penetration-protected, jet-proof]
Mech. impact protection code	IK07 [2 J reinforced]
Standard tilt angle posttop	0°
Standard tilt angle side entry	0°
Optical cover type	Flat glass
Net Weight (Piece)	8.100 kg

Approval and Application

Flammability mark	-
CE mark	Yes
ENEC mark	ENEC mark
EU RoHS compliant	Yes
Performance ambient temperature Tq	25 °C
Remarks	* At extreme ambient temperatures the luminaire might automatically dim down to protect components
Ambient temperature range	-40 to +25 °C

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
Standard Deviation of Colour Matching (McAdam ellipse)	SDCM≤5

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 (EN-IEC 62722-2-1) at median useful life* 50000 h	L100
Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 100000 h	L100

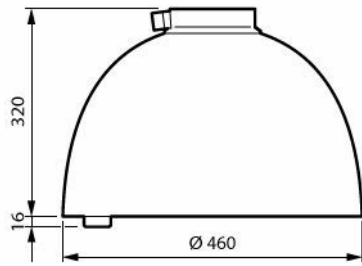
Sustainability Data

Sustainability rating	Signify Circle
Repair class	Repair Class B, the driver and light source of this luminaire can be replaced by a service technician. Parts and documentation are available for an extended period of time.
Embedded carbon (A1-A3)	48.8 kg CO ₂ e
Product non-virgin material ratio	27.8 %
Recyclable content ratio of the finished product	33.1 %
GWP total B6 (kg CO ₂ eq) Declared Unit	Please calculate using your local energy mix value: Power Declared Unit (kW) * Service life (hrs) Declared Unit * Energy mix (kg CO ₂ eq / kWh)
GWP total B6 (kg CO ₂ eq) Functional Unit	Please calculate using your local energy mix value: Power Declared Unit (kW) * 1000 (lm) /lumen output (lm) Declared Unit * 35000 (hrs) * Energy mix (kg CO ₂ eq / kWh)

Product Data

Order product name	BSS562LED170/830IIGL-DM50CLO-LS850SRTB
Full product name	BSS562LED170/830IIGL-DM50CLO-LS850SRTB
Full product code	871951409075000
Order code	919008634399
Material Nr. (12NC)	919008634399
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8719514090750
Numerator - Packs per outer box	1
EAN/UPC - Case	8719514090750
Product family code	BSS562 [COPENHAGEN GEN2 LED LARGE]

Dimensional drawing



Polar normal diagrams

