Copenhagen LED Big

BRS441 ECO142-3S/740 A GR CLO-DDF6 T15

Big Copenhagen LED side entry, LED EconomyLine 14200 lm, 740 neutral white, Safety class II, Asymmetrical, 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	ECO142 [LED EconomyLine 14200 lm]		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 might	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

Copenhagen LED Big

Light Technical

Upward light output ratio	0
Luminous Flux	11,920 lumen
Standard tilt angle posttop	0°
Standard tilt angle side entry	0°
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	108 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	Asymmetrical

Operating and Electrical

Input Voltage	220/240 V
Line Frequency	50 to 60 Hz
Initial CLO power consumption	92 W
Average CLO power consumption	105 W
End CLO power consumption	119 W
Inrush current	53 A
Inrush time	0.30 ms
Power Consumption	105 W
Power Factor (Fraction)	0.9
Connection	–
Cable	Cable 10 m without plug
Number of products on MCB of 16 A type B	8

Temperature

Ambient temperature range	–40 to +50 °C

Controls and Dimming

Dimmable	No
Driver/power unit/transformer	Power supply unit with DynaDimmer and constant light output (integrated)
Control interface	–
Constant light output	Yes

Mechanical and Housing

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

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	L100

Application Conditions

Performance ambient temperature Tq	25 °C

Product Data

Full product code	871869625403500
Order product name	BRS441 ECO142-3S/740 A GR CLO-DDF6 T15
Order code	919008632428
Numerator – Quantity Per Pack	1
Numerator – Packs per outer box	1
Material Nr. (12NC)	919008632428
Full product name	BRS441 ECO142-3S/740 A GR CLO-DDF6 T15
EAN/UPC – Case	8718696254035
EAN/UPC – Product/Case	8718696254035

Copenhagen LED Big