PHILIPS Lighting



Copenhagen LED Small

BRS443 ECO99-3S/740 II O-DP-R CLO C10K

Little Copenhagen LED side entry, LED EconomyLine 9900 lm, 740 neutral white, Safety class II, Opal reflector with distribution pedestrian crossing right, Constant light output, Cable 10 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		
Lamp family code	ECO99 [LED EconomyLine 9900 lm]	
Light source replaceable	Yes	
Number of gear units	1 unit	
Driver included	Yes	
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.
Light source engine type	LED
Product family code	BRS443 [Little Copenhagen LED side entry]
Lighting Technology	LED
Embedded control	Constant light output
CE mark	Yes
Warranty period	5 years
Flammability mark	For mounting on normally flammable
	surfaces

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ENEC mark	-
EU RoHS compliant	Yes
Light Technical	
Upward light output ratio	0
Luminous Flux	8,320 lumen
Standard tilt angle posttop	O°
Standard tilt angle side entry	٥°
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	96 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	Opal reflector with distribution pedestrian
	crossing right
Operating and Electrical	
Input Voltage	220/240 V
Line Frequency	50 to 60 Hz
Initial CLO power consumption	77 W
Average CLO power consumption	87 W
End CLO power consumption	98 W

220/240 V	Lui
50 to 60 Hz	Init
77 W	Po
87 W	Init
98 W	
53 A	Ov
0.30 ms	Co
87 W	life
0.9	Lur
-	life
Cable 10 m without plug	
8	Ар
	50 to 60 Hz 77 W 87 W 98 W 53 A 0.30 ms 87 W 0.9 - Cable 10 m without plug

Initial CLO power consumption	// W	Power consumption tolerance
Average CLO power consumption	87 W	Init. Color Rendering Index Tolera
End CLO power consumption	98 W	
Inrush current	53 A	Over Time Performance (IEC
Inrush time	0.30 ms	Control gear failure rate at media
Power Consumption	87 W	life 100000 h
Power Factor (Fraction)	0.9	Lumen maintenance at median us
Connection	_	life* 100000 h
Cable	Cable 10 m without plug	
Number of products on MCB of 16 A t	уре 8	Application Conditions
В		Performance ambient temperatur
Temperature		Product Data
Ambient temperature range	-40 to +50 °C	Full product code
		Order product name
Controls and Dimming		Order code
Dimmable	No	Numerator - Quantity Per Pack
Driver/power unit/transformer	Power supply unit regulating with constant	Numerator - Packs per outer box
	light output	Material Nr. (12NC)
Control interface	-	Full product name
Constant light output	Yes	EAN/UPC - Case
		EAN/UPC - Product/Case

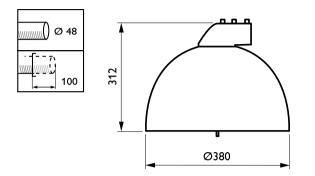
Mechanical and Housing

Reflector material

Optic material	Polycarbonate
Optical cover material	Glass
Fixation material	Aluminum
Housing Color	Opal
Mounting device	Side-entry for diameter 48 mm
Optical cover shape	Flat
Optical cover finish	Clear
Overall height	312 mm
Overall diameter	380 mm
Effective projected area	0.08 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 Comple	iant)
Control gear failure rate at median useful	10 %
life 100000 h	
Lumen maintenance at median useful	L100
life* 100000 h	
Application Conditions	
Performance ambient temperature Tq	25 °C
Product Data	
Full product code	871829198858800
Order product name	BRS443 ECO99-3S/740 II O-DP-R CLO C10K
Order code	919008632333
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	1
Material Nr. (12NC)	919008632333
Full product name	BRS443 ECO99-35/740 II O-DP-R CLO C10K
EAN/UPC - Case	8718291988588
EAN/UPC - Product/Case	8718291988588

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Dimensional drawing





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