# **PHILIPS** Lighting



# **Copenhagen LED Big**

# BRS441 ECO127-3S/740 II DP-R GR T25 C10K

Big Copenhagen LED side entry, LED EconomyLine 12700 lm, 740 neutral white, Safety class II, Distribution pedestrian crossing right, Flat glass, 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	ECO127 [LED EconomyLine 12700 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	BRS441 [Big Copenhagen LED side entry]

Lighting Technology	LED
Embedded control	-
CE mark	Yes
Warranty period	5 years
Flammability mark	For mounting on normally flammable
	surfaces
ENEC mark	-
EU RoHS compliant	Yes
Light Technical	
Upward light output ratio	0
Luminous Flux	10,640 lumen
Standard tilt angle posttop	O°
Standard tilt angle side entry	O°

### Copenhagen LED Big

Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	11 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	Distribution pedestrian crossing right

Operating	and E	lectrical
operating	and L	ie e c i i c ai

Input Voltage	220/240 V
Line Frequency	50 to 60 Hz
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	8
В	

Temperati	ıre

Ambient temperature range

Controls and Dimming	
Dimmable	No
Driver/power unit/transformer	Power supply unit regulating
Control interface	-
Constant light output	No

-40 to +50 °C

#### Mechanical and Housing

Reflector material	-
Optic material	Polycarbonate
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 height	367 mm
Overall diameter	462 mm
Effective projected area	0.13 m <sup>2</sup>
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 Compli	iant)
Control gear failure rate at median useful	10 %
life 100000 h	
Lumen maintenance at median useful	L80
life* 100000 h	
Application Conditions	
Performance ambient temperature Tq	25 ℃
Product Data	
Full product code	871829198936300
Order product name	BRS441 ECO127-3S/740 II DP-R GR T25 C10
order product hame	
Order code	919008632343

1

919008632343

8718291989363

8718291989363

BRS441 ECO127-3S/740 II DP-R GR T25 C10K

Numerator - Packs per outer box

Material Nr. (12NC)

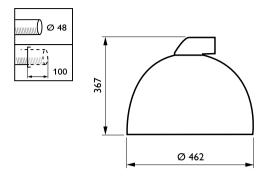
Full product name

EAN/UPC - Case

EAN/UPC - Product/Case

## Copenhagen LED Big

#### Dimensional drawing





© 2023 Signify Holding All rights reserved. Signify does not give any representation or warranty as to the accuracy or completeness of the information included herein and shall not be liable for any action in reliance thereon. The information presented in this document is not intended as any commercial offer and does not form part of any quotation or contract, unless otherwise agreed by Signify. Philips and the Philips Shield Emblem are registered trademarks of Koninklijke Philips N.V.

www.lighting.philips.com 2023, September 4 - data subject to change