PHILIPS Lighting



Copenhagen LED Big

BRS441 GRN32-3S/830 II O-DK CLO-DDF6 C10

Big Copenhagen LED side entry, LED GreenLine 3200 lm, 830 warm white, Safety class II, Distribution wet road (DK), Constant light output and DynaDimmer fixed presets version 6, 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			might automatically dim down to protect
Lamp family code	GRN32 [LED GreenLine 3200 lm]		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	Embedded control	Constant light output and DynaDimmer fixed
	"Evaluating performance of LED based		presets version 6
	luminaires - January 2018": statistically there	CE mark	Yes
	is no relevant difference in lumen	Warranty period	5 years
	maintenance between B50 and for example	Flammability mark	For mounting on normally flammable surfaces
	B10. Therefore, the median useful life (B50)	ENEC mark	-
	value also represents the B10 value. * At	EU RoHS compliant	Yes
	extreme ambient temperatures the luminaire		

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Light Technical	
Upward light output ratio	0
Luminous Flux	2,480 lumen
Standard tilt angle posttop	0°
Standard tilt angle side entry	0°
Correlated Color Temperature (Nom)	3000 K
Luminous Efficacy (rated) (Nom)	75 lm/W
Color rendering index (CRI)	≥80
Number of light sources	1
Light source color	830 warm white
Optical cover type	Flat glass
Luminaire light beam spread	180°
Optic type outdoor	Distribution wet road (DK)

Housing Color	Opal
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)	
+/-7%	
(0.434, 0.403) SDCM <5	
+/-10%	
+/-2	

Over Time Performance (IEC Compliant)		
Control gear failure rate at median	10 %	
useful life 100000 h		
Lumen maintenance at median useful	L100	
life* 100000 h		
Application Conditions		

Performance ambient temperature Tq

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Product Data	
Full product code	871829156079100
Order product name	BRS441 GRN32-3S/830 II O-DK CLO-DDF6
	C10
Order code	919008632029
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	1
Material Nr. (12NC)	919008632029
Full product name	BRS441 GRN32-3S/830 II O-DK CLO-DDF6
	C10
EAN/UPC - Case	8718291560791
EAN/UPC - Product/Case	8718291560791

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Opera	ting	and	Elect	rical

Input Voltage	220/240 V
Line Frequency	50 to 60 Hz
Initial CLO power consumption	29 W
Average CLO power consumption	33 W
End CLO power consumption	36 W
Inrush current	27 A
Inrush time	0.265 ms
Power Consumption	36 W
Power Factor (Fraction)	0.9
Connection	-
Cable	Cable 10 m without plug
Number of products on MCB of 16 A type 20	

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Temperature

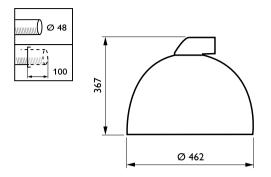
Ambient temperature range

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

-40 to +50 °C

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Dimensional drawing





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