PHILIPS Lighting



GreenSpace

DN470B LED20S/840 PSE-E C WH PGO

200mm, LED Module, system flux 2000 lm, 840 neutral white, Power supply unit DC compatible, external, Wire-protected, splash-proof, White RAL 9003

GreenSpace is a perfect solution where customers want to strike the ideal balance between their initial investment and the cost of the installation during its lifetime while they are covering multiple applications. GreenSpace features the latest LED technology which enables extremely low power consumption. With its perfect fit you'll get the LED downlight that always fits and looks perfect at the same time. This perfect fit is available for cut out sizes from 150 to 280 mm. GreenSpace is designed for Circular Economy with optimized performance, extended lifetime through upgradability and integration options, ease of customization, recycling and disassembly. Housing and rim are made from production waste of polycarbonate sheets that are retrieved from swimming pools, car ports and illuminated advertising. And the product's long lifetime makes it a true 'fit and forget' solution.

Product data

General Information	
Lamp family code	LED20S [LED Module, system flux 2000 lm]
Cap-Base	- [-]
Light source replaceable	No
Number of gear units	1 unit
Gear	-
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.
Service tag	Yes
Product family code	DN470B [200mm]
Lighting Technology	LED
Value ladder	Specification
CE mark	Yes
Warranty period	5 years
Flammability mark	For mounting on normally flammable
	surfaces

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ENEC mark	ENEC mark
Glow-wire test	Temperature 850 °C, duration 5 s
EU RoHS compliant	Yes
Light Technical	
Luminous Flux	2,200 lm
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	118.28 lm/W
Color rendering index (CRI)	80
Number of light sources	1
Beam angle of light source	120 degree(s)
Light source color	840 neutral white
Optic type	High-gloss mirror
Luminaire light beam spread	88°
Unified glare rating CEN	25

Fixation material	-
Housing Color	White RAL 9003
Optical cover finish	Frosted
Overall height	95 mm
Overall diameter	216 mm
Approval and Application	
Ingress protection code	IP44 [Wire-protected, splash-proof]
Mech. impact protection code	IK02 [0.2 J standard]
Protection class IEC	Safety class II
Initial Performance (IEC Compliant)	
Luminous flux tolerance	+/-10%
Initial chromaticity	(0.38, 0.38) SDCM<3
Power consumption tolerance	+/-5%
Over Time Performance (IEC Compl	iant)
Control gear failure rate at median useful	5 %
life 50000 h	
Lumen maintenance at median useful	L90
life* 50000 h	
Lumen maintenance at median useful	L80
life* 100000 h	
Application Conditions	
Performance ambient temperature Tq	25 °C
Performance ambient temperature Tq Suitable for random switching	25 °C Yes
Suitable for random switching	· · · · · · · · · · · · · · · · · · ·
Suitable for random switching Product Data	Yes
Suitable for random switching Product Data Order product name	Yes DN470B LED20S/840 PSE-E C WH PGO
Suitable for random switching Product Data Order product name Full product name	Yes DN470B LED20S/840 PSE-E C WH PGO DN470B LED20S/840 PSE-E C WH PGO
Suitable for random switching Product Data Order product name Full product name Full product code	Yes DN470B LED20S/840 PSE-E C WH PGO DN470B LED20S/840 PSE-E C WH PGO 871869624676400
Suitable for random switching Product Data Order product name Full product name Full product code Order code	Yes DN470B LED20S/840 PSE-E C WH PGO DN470B LED20S/840 PSE-E C WH PGO 871869624676400 910500456264
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Suitable for random switching Product Data Order product name Full product name Full product code Order code Material Nr. (12NC) Numerator - Quantity Per Pack	Yes DN470B LED20S/840 PSE-E C WH PGO DN470B LED20S/840 PSE-E C WH PGO 871869624676400 910500456264 910500456264 1
Suitable for random switching Product Data Order product name Full product name Full product code Order code Material Nr. (12NC)	Yes DN470B LED205/840 PSE-E C WH PGO DN470B LED205/840 PSE-E C WH PGO 871869624676400 910500456264 910500456264

Operating and Electrical

Input Voltage	220 to 240 V
Line Frequency	50 to 60 Hz
Inrush current	14 A
Inrush time	0.24 ms
Power Consumption	18.6 W
Power Factor (Fraction)	0.9
Connection	Push-in connector and pull relief
Cable	-

+10 to +40 °C

Number of products on MCB of 16 A type 30

в

Temperature

Ambient temperature range

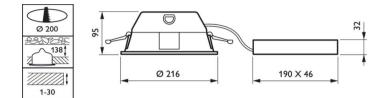
Controls and Dimming	
Dimmable	No
Driver/power unit/transformer	Power supply unit DC compatible, external
Constant light output	No

Mechanical and Housing

Meenameat and Housing	
Housing Material	Aluminum
Reflector material	Polycarbonate aluminum coated
Optic material	Polycarbonate
Optical cover material	Glass

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Dimensional drawing





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