# **PHILIPS** Lighting



# GreenSpace

# DN470B LED20S/840 PSED-E C WH PGO

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

Customers want to strike the ideal balance between their initial investment and the cost of the installation during its lifetime. GreenSpace is a cost-efficient and sustainable downlight that can be used to replace conventional CFL downlights in general lighting applications. It features the latest LED technology, which enables extremely low power consumption, while delivering consistent light output, stable color performance and high color rendering. 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	
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	

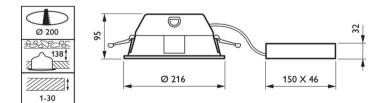
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Color rendering index (CRI)	80	Overall height
Number of light sources	1	Overall diameter
Beam angle of light source	120 degree(s)	
Light source color	840 neutral white	Approval and Application
Optic type	High-gloss mirror	Ingress protection code
Luminaire light beam spread	88°	Mech. impact protection code
Unified glare rating CEN	25	Protection class IEC
Operating and Electrical		Initial Performance (IEC Com
Input Voltage	220 to 240 V	Luminous flux tolerance
Line Frequency	50 to 60 Hz	Initial chromaticity
Inrush current	16 A	Power consumption tolerance
Inrush time	0.22 ms	
Power Consumption	18.6 W	Over Time Performance (IEC
Power Factor (Fraction)	0.9	Control gear failure rate at mediar
Connection	Push-in connector and pull relief	life 50000 h
Cable	-	Lumen maintenance at median us
Number of products on MCB of 16 A type	24	life* 50000 h
В		Lumen maintenance at median us
		life* 100000 h
Temperature		
Ambient temperature range	+10 to +40 °C	Application Conditions
		Performance ambient temperature
Controls and Dimming		Maximum dim level
Dimmable	Yes	Suitable for random switching
Driver/power unit/transformer	Power supply unit with DALI interface, DC	
	compatible, external	Product Data
Control interface	DALI	Order product name
Constant light output	No	Full product name
		Full product code
Mechanical and Housing		Order code
Housing Material	Aluminum	Material Nr. (12NC)
Reflector material	Polycarbonate aluminum coated	Numerator - Quantity Per Pack
Optic material	Polycarbonate	EAN/UPC - Product/Case
Optical cover material	Glass	Numerator - Packs per outer box
Fixation material	-	EAN/UPC - Case
Housing Color	White RAL 9003	
Optical cover finish	Frosted	

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 Compliant)		
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 ℃	
Maximum dim level	1%	
Suitable for random switching	Yes	
Product Data		
Order product name	DN470B LED20S/840 PSED-E C WH PGO	
Full product name	DN470B LED20S/840 PSED-E C WH PGO	
Full product code	871869624682500	
Order code	24682500	
Material Nr. (12NC)	910500456270	
Numerator - Quantity Per Pack	1	
EAN/UPC - Product/Case	8718696246825	
Numerator - Packs per outer box	1	
EAN/UPC - Case	8718696246825	

95 mm 216 mm

## Dimensional drawing



## GreenSpace



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