GreenSpace

DN470B LED20S/830 PSED-E C WH CU5 PGO

200mm, LED Module, system flux 2000 lm, 830 warm white, Power supply unit with DALI interface, DC compatible, external, Connection unit 5-pole, 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.

Product family code	DN470B [200mm]
Lighting Technology	LED
Value ladder	Specification
CE mark	Yes
Warranty period	3 years
Flammability mark	For mounting on normally flammable surfaces
ENEC mark	ENEC mark
Glow-wire test	Temperature 850 ℃, duration 5 s
EU RoHS compliant	Yes

Light Technical

Luminous Flux	1,850 lm
Correlated Color Temperature (Nom)	3000 K

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Luminous Efficacy (rated) (Nom)	101 lm/W		**Overall diameter**	216 mm
Color rendering index (CRI)	80			
Number of light sources	1		**Approval and Application**	
Beam angle of light source	120 degree(s)		**Ingress protection code**	IP44 [Wire-protected, splash-proof]
Light source color	830 warm white		**Mech. impact protection code**	IK02 [0.2 J standard]
Optic type	High-gloss mirror		**Protection class IEC**	Safety class II
Luminaire light beam spread	88°			
Unified glare rating CEN	22		**Initial Performance (IEC Compliant)**	
			Luminous flux tolerance	+/-10%
Operating and Electrical			**Initial chromaticity**	(0.44, 0.40) SDCM<3
Input Voltage	220 to 240 V		**Power consumption tolerance**	+/-5%
Line Frequency	50 to 60 Hz			
Inrush current	16 A		**Over Time Performance (IEC Compliant)**	
Inrush time	0.22 ms		**Control gear failure rate at median useful life 50000 h**	5 %
Power Consumption	18.3 W			
Power Factor (Fraction)	0.9		**Lumen maintenance at median useful life* 50000 h**	L90
Connection	Connection unit 5-pole			
Cable	–		**Lumen maintenance at median useful life* 100000 h**	L80
Number of products on MCB of 16 A type B	24			
			Application Conditions	
Temperature			**Performance ambient temperature Tq**	25 °C
Ambient temperature range	+10 to +40 °C		**Maximum dim level**	1%
			Suitable for random switching	Yes
Controls and Dimming				
Dimmable	Yes		**Product Data**	
Driver/power unit/transformer	Power supply unit with DALI interface, DC compatible, external		**Order product name**	DN470B LED20S/830 PSED-E C WH CU5 PGO
Control interface	DALI		**Full product name**	DN470B LED20S/830 PSED-E C WH CU5 PGO
Constant light output	No			
			Full product code	871869624705100
Mechanical and Housing			**Order code**	24705100
Housing Material	Aluminum		**Material Nr. (12NC)**	910500456293
Reflector material	Polycarbonate aluminum coated		**Numerator – Quantity Per Pack**	1
Optic material	Polycarbonate		**EAN/UPC – Product/Case**	8718696247051
Optical cover material	Glass		**Numerator – Packs per outer box**	1
Fixation material	–		**EAN/UPC – Case**	8718696247051
Housing Color	White RAL 9003			
Optical cover finish	Frosted			
Overall height	95 mm			

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Dimensional drawing

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2023, April 29 – data subject to change