GreenSpace

DN470B LED20S/830 PSE-E C WH GC

200mm, LED Module, system flux 2000 lm, 830 warm white, Power supply unit 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.
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

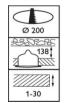|	
Luminous Flux	2,150 lm
Correlated Color Temperature (Nom)	3000 K
Luminous Efficacy (rated) (Nom)	115.59 lm/W
Color rendering index (CRI)	80

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Number of light sources	1		Overall diameter	216 mm
Beam angle of light source	120 degree(s)			
Light source color	830 warm white		**Approval and Application**	
Optic type	High-gloss mirror		Ingress protection code	IP44 [Wire-protected, splash-proof]
Luminaire light beam spread	88°		Mech. impact protection code	IK02 [0.2 J standard]
Unified glare rating CEN	22		Protection class IEC	Safety class II

Operating and Electrical			**Initial Performance (IEC Compliant)**	
Input Voltage	220 to 240 V		Luminous flux tolerance	+/-10%
Line Frequency	50 to 60 Hz		Initial chromaticity	(0.44, 0.40) SDCM<3
Inrush current	14 A		Power consumption tolerance	+/-5%
Inrush time	0.24 ms			
Power Consumption	18.6 W		**Over Time Performance (IEC Compliant)**	
Power Factor (Fraction)	0.9		Control gear failure rate at median useful life 50000 h	5 %
Connection	Push-in connector and pull relief			
Cable	–		Lumen maintenance at median useful life* 50000 h	L90
Number of products on MCB of 16 A type B	30			
			Lumen maintenance at median useful life* 100000 h	L80

Temperature			**Application Conditions**	
Ambient temperature range	+10 to +40 ℃		Performance ambient temperature Tq	25 ℃
			Suitable for random switching	Yes
Controls and Dimming				
Dimmable	No		**Product Data**	
Driver/power unit/transformer	Power supply unit DC compatible, external		Order product name	DN470B LED20S/830 PSE-E C WH GC
Constant light output	No		Full product name	DN470B LED20S/830 PSE-E C WH GC
			Full product code	871869624339800
Mechanical and Housing			Order code	24339800
Housing Material	Aluminum		Material Nr. (12NC)	910500454968
Reflector material	Polycarbonate aluminum coated		Numerator – Quantity Per Pack	1
Optic material	Polycarbonate		EAN/UPC – Product/Case	8718696243398
Optical cover material	Glass		Numerator – Packs per outer box	1
Fixation material	–		EAN/UPC – Case	8718696243398
Housing Color	White RAL 9003			
Optical cover finish	Clear			
Overall height	95 mm			

Dimensional drawing

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