GreenSpace

DN472B LED20S/840 PSU-E C WH PCO P

GreenSpace, 19.2 W, D200 mm, 2100 lm, 4000 K, High-gloss reflector, Opal, IP54

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		Service tag	Yes
Lamp family code	LED20S [LED Module, system flux 2000 lm]	Product family code	DN472B [200mm, IP54(PCO UGR27)]
Light source replaceable	No	Lighting Technology	LED
Number of gear units	1 unit	Value ladder	Specification
Gear	–	CE mark	Yes
Driver included	Yes	Warranty period	5 years
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.	Flammability mark	–
		ENEC mark	ENEC mark
		Glow-wire test	Temperature 750 °C, duration 5 s
		EU RoHS compliant	Yes

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Light Technical

Luminous Flux	2,100 lm
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	109 lm/W
Color rendering index (CRI)	>80
Number of light sources	1
Beam angle of light source	– degree(s)
Light source color	840 neutral white
Optic type	–
Luminaire light beam spread	120°
Unified glare rating CEN	25

Operating and Electrical

Input Voltage	220-240 V
Line Frequency	50 to 60 Hz
Initial CLO power consumption	– W W
Average CLO power consumption	– W W
Inrush current	14 A
Inrush time	0.130 ms
Power Consumption	19.2 W
Power Factor (Fraction)	0.9
Connection	Feed-through connector 3-pole
Cable	–
Number of products on MCB of 16 A type B	65

Temperature

Ambient temperature range	–15 to +40 ℃

Controls and Dimming

Dimmable	No
Driver/power unit/transformer	Power supply unit external (On/Off)
Control interface	–
Constant light output	No

Mechanical and Housing

Housing Material	Polycarbonate
Reflector material	–
Optic material	Polycarbonate
Optical cover material	Polycarbonate
Fixation material	–
Housing Color	White
Optical cover finish	Opal

Reflector Finish	High-gloss reflector
Overall height	94 mm
Overall diameter	216 mm

Approval and Application

Ingress protection code	IP54 [Dust accumulation-protected, splash-proof]
Mech. impact protection code	IK06 [1 J]
Sustainability rating	Lighting for circularity
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	+/-10%

Over Time Performance (IEC Compliant)

Driver failure rate at 5000 h	1 %
Control gear failure rate at median useful life 50000 h	5 %
Lumen maintenance at median useful life* 50000 h	L90
Lumen maintenance at median useful life* 100000 h	L80

Application Conditions

Performance ambient temperature Tq	25 ℃
Maximum dim level	Not applicable
Suitable for random switching	Yes

Product Data

Order product name	DN472B LED20S/840 PSU-E C WH PCO P
Full product name	DN472B LED20S/840 PSU-E C WH PCO P
Full product code	871869979348700
Order code	912500100543
Material Nr. (12NC)	912500100543
Numerator – Quantity Per Pack	1
EAN/UPC – Product/Case	8718699793487
Numerator – Packs per outer box	1
EAN/UPC – Case	8718699793487

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Dimensional drawing

www.lighting.philips.com

2024, January 22 – data subject to change