PHILIPS Lighting

GreenSpace

DN470B LED20S/830 PSU-E C WH P

GreenSpace, 15.2 W, D200 mm, 2000 lm, 3000 K, High-gloss reflector, IP20

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 150mm to 280mm which is the ideal solution for your renovation project. It saves the hassle, avoids time consuming and costly adaptor rings. 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 with at least 55% recycled or mass-balanced bio-circular material, making it a conscious choice for those that want to contribute to a circular economy.GreenSpace can be connected to wireless systems to create a smart office lighting solution with optional integrated sensors as well.

Product data

General Information

Lamp family code	LED20S [LED Module, system flux 2000 lm]
Light source replaceable	No
Number of gear units	1 unit
Gear	–
Driver included	Yes
Service tag	Yes
Lighting Technology	LED
Value ladder	Specification
Warranty period	5 years

Sustainability rating	Lighting for circularity

Light Technical

Luminous Flux	2,000 lm
Correlated Color Temperature (Nom)	3000 K
Luminous Efficacy (rated) (Nom)	131 lm/W
Color rendering index (CRI)	>80
Number of light sources	1
Beam angle of light source	– degree(s)
Light source color	830 warm white

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Optic type	–
Luminaire light beam spread	120°
Unified glare rating CEN	22

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	15.2 W
Power Factor (Fraction)	0.9
Connection	Feed-through connector 3-pole
Cable	–
Number of products on MCB of 16 A type B	65
Suitable for random switching	Yes
Protection class IEC	Safety class II
Total harmonic distortion	20 %

Controls and Dimming

Dimmable	No
Driver/power unit/transformer	Power supply unit external (On/Off)
Control interface	–
Constant light output	No
Maximum dim level	Not applicable

Mechanical and Housing

Housing Material	Polycarbonate
Reflector material	Polycarbonate aluminum coated
Optic material	Polycarbonate
Optical cover material	–
Fixation material	–
Housing Color	White
Optical cover finish	–
Reflector Finish	High-gloss reflector
Overall height	94 mm
Overall diameter	216 mm
Ingress protection code	IP20 [Finger-protected]
Mech. impact protection code	IK02 [0.2 J standard]
Net Weight (Piece)	0.700 kg

Emergency Operation

Central Emergency	No

Approval and Application

Glow-wire test	Temperature 750 °C, duration 30 s
Flammability mark	–
CE mark	Yes
ENEC mark	ENEC mark
EU RoHS compliant	Yes
Performance ambient temperature Tq	25 °C
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.
Ambient temperature range	+10 to +40 °C

Initial Performance (IEC Compliant)

Luminous flux tolerance	+/-10%
Initial chromaticity	(0.43, 0.40) SDCM<3
Power consumption tolerance	+/-10%
Standard Deviation of Colour Matching (McAdam ellipse)	SDCM≤3

Over Time Performance (IEC Compliant)

Driver failure rate at 5000 h	1 %
Control gear failure rate at median useful life 50000 h	10 %
Lumen maintenance at median useful life* 50000 h	L90

Product Data

Order product name	DN470B LED20S/830 PSU-E C WH P
Full product name	DN470B LED20S/830 PSU-E C WH P
Full product code	871869979327200
Order code	912500100522
Material Nr. (12NC)	912500100522
Numerator – Quantity Per Pack	1
EAN/UPC – Product/Case	8718699793272
Numerator – Packs per outer box	1
EAN/UPC – Case	8718699793272
Product family code	DN470B [200mm]

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Dimensional drawing

www.lighting.philips.com

2025, January 20 – data subject to change