



# GreenSpace

## DN471B LED20S/840 PSU-E C WH P

GreenSpace, downlight, 13.3 W, D200 mm, 1850 lm, 4000 K, UGR19, High-gloss reflector, IP20

downlight, D200 mm, Polycarbonate, White, Signal white (RAL9003), Recessed, Power supply unit external (On/Off), 1850 lm, 13.3 W, 141 lm/W, 4000 K, (0.38, 0.38) SDCM<3, UGR19, High-gloss reflector, IP20 | Finger-protected, IK02 | 0.2 J standard, Safety class II

### 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
Mounting	Recessed
Value ladder	Specification
Warranty period	5 years
Light Technical	
Luminous Flux	1,850 lm
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	141 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	19
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	13.3 W
Power Factor (Fraction)	0.9
Connection	-
Cable	-
Number of products on MCB of 16 A type	65
B	
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]
Mounting	Recessed
Net Weight (Piece)	0.700 kg

**Emergency Operation**

Additional max. power consumption when emergency battery is charging	0 W
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%
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Initial chromaticity	(0.38, 0.38) 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 (EN-IEC 62722-2-1) at median useful life* 50000 h	L90
Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 100000 h	-

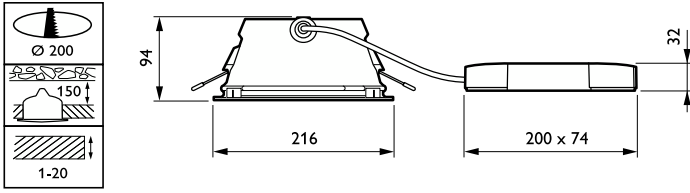
**Sustainability Data**

Sustainability rating	Unclassified
Repair class	Repair Class C, the driver of this luminaire can be replaced by a service technician. Special care is required during disassembly and reassembly, and specific tools may be required. Parts and documentation are available for a period of time.
Embedded carbon (A1-A3)	10.9 kg CO <sub>2e</sub>
Product non-virgin material ratio	13.1 %
Recyclable content ratio of the finished product	47 %
GWP total B6 (kg CO <sub>2eq</sub> ) Declared Unit	Please calculate using your local energy mix value: Power Declared Unit (kW) * Service life (hrs) Declared Unit * Energy mix (kg CO <sub>2eq</sub> / kwh)
GWP total B6 (kg CO <sub>2eq</sub> ) Functional Unit	Please calculate using your local energy mix value: Power Declared Unit (kW) * 1000 (lm) /Lumen output (lm) Declared Unit * 35000 (hrs) * Energy mix (kg CO <sub>2</sub> eq / kwh)

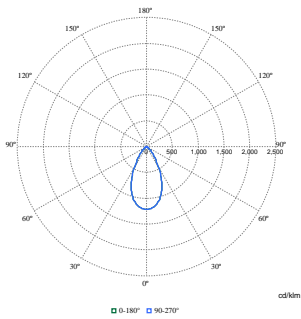
**Product Data**

Order product name	DN471B LED20S/840 PSU-E C WH P
Full product name	DN471B LED20S/840 PSU-E C WH P
Full product code	871869979332600
Order code	79332600
Material Nr. (12NC)	912500100527
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718699793326
Numerator - Packs per outer box	1
EAN/UPC - Case	8718699793326
Product family code	DN471B [200mm + anti-glare ring]

Dimensional drawing



Photometric data



Polar Normal (separate) - DN460BN - 912500100527

