



GreenSpace

DN471B LED20S/830 PSD-E C WH P

GreenSpace, downlight, 13.5 W, D200 mm, 1800 lm, 3000 K, DALI, UGR19, High-gloss reflector, IP20

downlight, D200 mm, Polycarbonate, White, Signal white (RAL9003), Recessed, Power supply unit with DALI interface external, 1800 lm, 13.5 W, 135 lm/W, 3000 K, (0.43, 0.40) SDCM<3, UGR19, High-gloss reflector, IP20 | Finger-protected, IK02 | 0.2 J standard, Safety class II

Product data

General Information	
Lamp family code	20S [LED module, system flux 2000 lm]
Light source replaceable	No
Number of gear units	1 unit
Driver included	Yes
Light source engine type	LED
Service tag	Yes
Lighting Technology	LED
Mounting	Recessed
Value ladder	Specification
Warranty period	5 years
Light Technical	
Upward light output ratio	0
Luminous Flux	1,800 lm
Correlated Color Temperature (Nom)	3000 K
Luminous Efficacy (rated) (Nom)	135 lm/W
Color rendering index (CRI)	>80

Light source color	830 warm white
Optic type	-
Luminaire light beam spread	120°
Optic type outdoor	-
Unified glare rating CEN	19
Effective projected area	0 m ²
Operating and Electrical	
Input Voltage	220-240 V
Line Frequency	50 to 60 Hz
Initial CLO power consumption	- W
Average CLO power consumption	- W
Inrush current	6.7 A
Inrush time	0.027 ms
Power Consumption	13.5 W
Power Factor (Fraction)	0.9
Connection	-
Cable	-
Number of products on MCB of 16 A type B	40

Suitable for random switching	Yes
Protection class IEC	Safety class II
Surge Protection (Common/Differential)	-
Total harmonic distortion	3 %

Controls and Dimming

Dimmable	Yes
Driver/power unit/transformer	Power supply unit with DALI interface external
Control interface	DALI
Constant light output	No
DALI Standard	DALI-2™
Maximum dim level	1%

Mechanical and Housing

Housing Material	Polycarbonate
Reflector material	Polycarbonate aluminum coated
Optic material	Polycarbonate
Optical cover material	-
Fixation material	-
Housing Color	White
Mounting device	-
Optical cover shape	-
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]
Standard tilt angle posttop	-
Standard tilt angle side entry	-
Mounting	Recessed
Optical cover type	-
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 650 °C, duration 30 s
Flammability mark	-
CE mark	Yes
ENEC mark	ENEC mark
Photobiological risk	Photobiological risk group 1 @200mm to EN62778
Photobiological risk specification	0 m
EU RoHS compliant	Yes
Performance ambient temperature Tq	25 °C
Stroboscopic effect visibility measure (SVM)	0.4
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%
Init. Color Rendering Index Tolerance	0
Standard Deviation of Colour Matching (McAdam ellipse)	SDCM≤3

Over Time Performance (IEC Compliant)

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

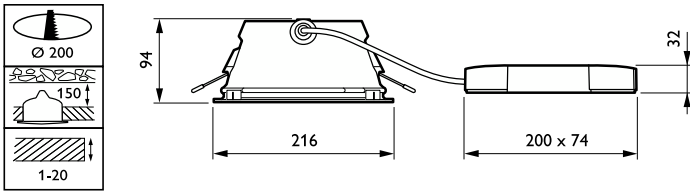
Sustainability Data

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 ₂ e
Product non-virgin material ratio	13.1 %
Recyclable content ratio of the finished product	47 %
GWP total B6 (kg CO ₂ eq) Declared Unit	Please calculate using your local energy mix value: Power Declared Unit (kW) * Service life (hrs) Declared Unit * Energy mix (kg CO ₂ eq / kWh)
GWP total B6 (kg CO ₂ eq) 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 ₂ eq / kWh)

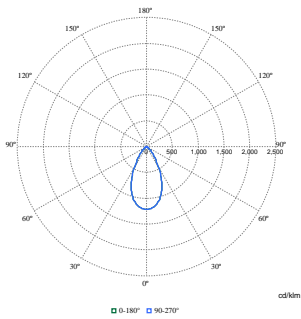
Product Data

Order product name	DN471B LED20S/830 PSD-E C WH P
Full product name	DN471B LED20S/830 PSD-E C WH P
Full product code	872016901309400
Order code	01309400
Material Nr. (12NC)	910505102290
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8720169013094
Numerator - Packs per outer box	1
EAN/UPC - Case	8720169013094
Product family code	DN471B [200mm + anti-glare ring]

Dimensional drawing



Photometric data



Polar Normal (separate) - DN460BN - 910505102290

