



# GreenSpace

## DN471B LED20S/840 DIA-VLC-E C WH P

GreenSpace, downlight, 13.7 W, D200 mm, 1850 lm, 4000 K, DALI, Interact Ready, UGR19, 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 150 mm to 280 mm, 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 75% recycled or mass-balanced bio-circular material, making it a responsible 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. Its long lifetime with 100,000 hours at L100 (CLO), L90 (700lm/1400lm/on request 2000lm) makes it a true 'fit and forget' solution.

### Product data

General Information	
Lamp family code	20S [LED module, system flux 2000 lm]
Light source replaceable	No
Number of gear units	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	
Upwards light output ratio	0
Luminous Flux	1,850 lm
Correlated Colour Temperature (Nom)	4000 K
Luminous efficacy (rated) (nom.)	136 lm/W

Colour rendering index (CRI)	>80
Beam angle of light source	- degree(s)
Light source colour	840 neutral white
Optic type	-
Luminaire light beam spread	120°
Optic type outdoor	-
Unified Glare Rating (CEN)	19
Effective projected area	0 m <sup>2</sup>

## 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	20.4 A
Inrush time	0.195 ms
Power Consumption	13.7 W
Power Factor (Fraction)	0.9
Connection	-
Cable	-
Number of products on MCB (16 A type B)	24
Suitable for random switching	Yes
Protection class IEC	Safety class II
Surge Protection (Common/Differential)	-
Total harmonic distortion	20 %

## Controls and Dimming

Dimmable	Yes
Driver/power unit/transformer	Dali dimming Interact System-ready visual light communication-enabled external
Control interface	DALI
Constant light output	No
DALI standard	D4i™ DALI-2™
Maximum dim level	1%
Connectivity	Interact Ready

## Mechanical and Housing

Housing material	Polycarbonate
Reflector material	Aluminium and polycarbonate
Optic material	Polycarbonate
Optical cover/lens material	-
Fixation material	-
Housing Colour	White
Mounting device	-
Optical cover/lens shape	-
Optical cover/lens 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 post-top	-
Standard tilt angle side entry	-
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 750 °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
Ambient temperature range	+10 to +40 °C

## Initial Performance (IEC Compliant)

Luminous flux tolerance	+/-10%
Initial chromaticity	(0.38, 0.38) SDCM<3
Power consumption tolerance	+/-10%
Init. Colour 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 50,000 h	10 %
Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 50000 h	L90

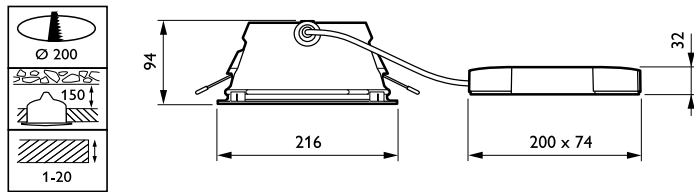
## Sustainability Data

Sustainability rating	Unclassified
Serviceability class	Class B, the luminaire is equipped with some serviceable parts (when applicable): driver, control units, surge-protection device, front cover and mechanical parts
Embedded carbon (A1-A3)	10.9 kg CO <sub>2e</sub>
Product non-virgin material ratio	13.1 %
Recyclable the 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)

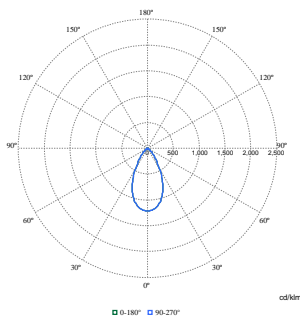
<b>GWP total B6 (kg CO2eq) Functional Unit</b>	Please calculate using your local energy mix value: POWER DECLARED UNIT (kW) * 1000 (lm) / LUMEN OUTPUT DECLARED UNIT (lm) * 35000 (hrs) * ENERGY MIX (kg CO2 eq / kwh)
<b>Product Data</b>	
<b>Order product name</b>	DN471B LED20S/840 DIA-VLC-E C WH P
<b>Full product name</b>	DN471B LED20S/840 DIA-VLC-E C WH P

<b>Full EOC</b>	871869998325300
<b>Order code</b>	910505102106
<b>Material no. (12 NC)</b>	910505102106
<b>Local order code</b>	DN471B
<b>Numerator – quantity per pack</b>	1
<b>EAN/UPC – Product/Case</b>	8718699983253
<b>Numerator – packs per outer box</b>	1
<b>EAN/UPC – Case</b>	8718699983253
<b>Product family code</b>	DN471B [200mm + anti-glare ring]

**Dimensional drawing**



**Photometric data**



Polar Normal (separate) - DN460BN - 910505102106

