# **PHILIPS** Lighting



# GreenSpace

# DN471B LED20S/830 PSD-VLC-E C ELP3 WH P

GreenSpace, 16.8 W, 2025 lm, 3000 K, DALI

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	
Lamp family code	LED20S [LED Module, system flux 2000 lm]
Cap-Base	- [-]
Light source replaceable	No
Number of gear units	1 unit
Gear	-
Driver included	Yes
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.

Service tag	Yes
Product family code	DN471B [200mm + anti-glare ring]
Lighting Technology	LED
Value ladder	Specification
CE mark	Yes
Warranty period	5 years
Flammability mark	-
ENEC mark	ENEC mark
Glow-wire test	Temperature 750 °C, duration 5 s
EU RoHS compliant	Yes
Light Technical	
Luminous Flux	2,025 lm
Correlated Color Temperature (Nom)	3000 K

# GreenSpace

Luminous Efficacy (rated) (Nom)	120 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
Optic type	High-gloss mirror
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	20.4 A
Inrush time	0.195 ms
Power Consumption	16.8 W
Power Factor (Fraction)	0.9
Connection	Feed-through connector 5-pole
Cable	-
Number of products on MCB of 16 A type	24
В	

#### Temperature

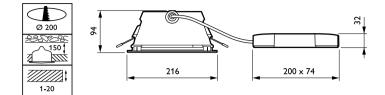
remperature	
Ambient temperature range	+10 to +40 °C
Controls and Dimming	
Dimmable	Yes
Driver/power unit/transformer	Power supply unit with DALI interface, DC
	compatible, external
Control interface	DALI
Constant light output	No
Mechanical and Housing	
Housing Material	Polycarbonate
Reflector material	Polycarbonate aluminum coated
Optic material	Polycarbonate
Optical cover material	-
Fixation material	-
Housing Color	White RAL 9003
Optical cover finish	-

Overall height94 mmOverall diameter216 mmApproval and ApplicationIngress protection codeIP20 [Finger-protected]Mech. impact protection codeIK02 [0.2 J standard]Protection class IECSafety class IIInitial Performance (IEC Compliant)Imitial Chromaticity(0.43, 0.40) SDCM<3		
Approval and Application         Ingress protection code       IP20 [Finger-protected]         Mech. impact protection code       IK02 [0.2 J standard]         Protection class IEC       Safety class II         Initial Performance (IEC Compliant)       Initial Chromaticity         Luminous flux tolerance       +/-10%         Over romsumption tolerance       +/-10%         Over Time Performance (IEC Compliant)       Initial Control gear failure rate at 5000 h         Driver failure rate at 5000 h       1%         Control gear failure rate at median useful life*       L90         50000 h       Iumen maintenance at median useful life*         Lumen maintenance at median useful life*       L80         100000 h       Iumen maintenance at median useful life*         Application Conditions       Performance Tq         Performance ambient temperature Tq       25 °C         Maximum dim level       1%         Suitable for random switching       Yes	Overall height	94 mm
Ingress protection code IP20 [Finger-protected] Mech. impact protection code IK02 [0.2 J standard] Protection class IEC Safety class II Initial Performance (IEC Compliant) Luminous flux tolerance +/-10% Initial chromaticity (0.43, 0.40) 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 5% Itife 50000 h Lumen maintenance at median useful life* L90 50000 h Lumen maintenance at median useful life* L80 100000 h Application Conditions Performance ambient temperature Tq 25 °C Maximum dim level 1% Suitable for random switching Yes	Overall diameter	216 mm
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Protection class IEC       Safety class II         Initial Performance (IEC Compliant)         Luminous flux tolerance       +/-10%         Initial chromaticity       (0.43, 0.40) SDCM<3         Power consumption tolerance       +/-10%         Over Time Performance (IEC Compliant)       Driver failure rate at 5000 h         Driver failure rate at 5000 h       1%         Control gear failure rate at median useful life*       L90         50000 h       Lumen maintenance at median useful life*         Lumen maintenance at median useful life*       L80         100000 h       Image: Second Sec	Ingress protection code	IP20 [Finger-protected]
Initial Performance (IEC Compliant)         Luminous flux tolerance       +/-10%         Initial chromaticity       (0.43, 0.40) SDCM<3         Power consumption tolerance       +/-10%         Over Time Performance (IEC Compliant)       Driver failure rate at 5000 h         Driver failure rate at 5000 h       1%         Control gear failure rate at median useful       5%         life 50000 h       1         Lumen maintenance at median useful life*       L90         50000 h       100000 h         Application Conditions       25 °C         Maximum dim level       1%         Suitable for random switching       Yes	Mech. impact protection code	IK02 [0.2 J standard]
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Power consumption tolerance       +/-10%         Over Time Performance (IEC Compliant)         Driver failure rate at 5000 h       1%         Control gear failure rate at median useful       5%         life 50000 h       5%         Lumen maintenance at median useful life*       L90         50000 h       100000 h         Application Conditions       25 °C         Maximum dim level       1%         Suitable for random switching       Yes	Luminous flux tolerance	+/-10%
Over Time Performance (IEC Compliant)         Driver failure rate at 5000 h         1 %         Control gear failure rate at median useful       5 %         life 50000 h         Lumen maintenance at median useful life*       L90         50000 h         Lumen maintenance at median useful life*       L80         100000 h         Application Conditions         Performance ambient temperature Tq       25 °C         Maximum dim level       1%         Suitable for random switching       Yes	Initial chromaticity	(0.43, 0.40) SDCM<3
Driver failure rate at 5000 h     1 %       Control gear failure rate at median useful     5 %       life 50000 h     50000 h       Lumen maintenance at median useful life*     L90       50000 h     100000 h       Application Conditions       Performance ambient temperature Tq     25 °C       Maximum dim level     1%       Suitable for random switching     Yes	Power consumption tolerance	+/-10%
Driver failure rate at 5000 h       1%         Control gear failure rate at median useful       5%         life 50000 h       50000 h         Lumen maintenance at median useful life*       L90         50000 h       100000 h         Application Conditions       7         Performance ambient temperature Tq       25 °C         Maximum dim level       1%         Suitable for random switching       Yes		
Control gear failure rate at median useful       5 %         life 50000 h       Lumen maintenance at median useful life*       L90         50000 h       Image: State of the	Over Time Performance (IEC Compliant)	
life 50000 h Lumen maintenance at median useful life* L90 50000 h Lumen maintenance at median useful life* L80 100000 h Application Conditions Performance ambient temperature Tq 25 °C Maximum dim level 1% Suitable for random switching Yes	Driver failure rate at 5000 h	1%
Lumen maintenance at median useful life* L90 50000 h Lumen maintenance at median useful life* L80 100000 h Application Conditions Performance ambient temperature Tq 25 °C Maximum dim level 1% Suitable for random switching Yes	Control gear failure rate at median useful	5 %
50000 h Lumen maintenance at median useful life* L80 100000 h Application Conditions Performance ambient temperature Tq 25 °C Maximum dim level 1% Suitable for random switching Yes	life 50000 h	
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100000 h Application Conditions Performance ambient temperature Tq 25 °C Maximum dim level 1% Suitable for random switching Yes	50000 h	
Application Conditions         Performance ambient temperature Tq       25 °C         Maximum dim level       1%         Suitable for random switching       Yes	Lumen maintenance at median useful life*	L80
Performance ambient temperature Tq     25 °C       Maximum dim level     1%       Suitable for random switching     Yes	100000 h	
Performance ambient temperature Tq     25 °C       Maximum dim level     1%       Suitable for random switching     Yes		
Maximum dim level     1%       Suitable for random switching     Yes	Application Conditions	
Suitable for random switching Yes	Performance ambient temperature Tq	25 ℃
	Maximum dim level	1%
Product Data	Suitable for random switching	Yes
Product Data		
	Product Data	

Product Data	
Order product name	DN471B LED20S/830 PSD-VLC-E C ELP3
	WH P
Full product name	DN471B LED20S/830 PSD-VLC-E C ELP3
	WH P
Full product code	871869979357900
Order code	912500100552
Material Nr. (12NC)	912500100552
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718699793579
Numerator - Packs per outer box	1
EAN/UPC - Case	8718699793579

## GreenSpace

### Dimensional drawing





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