



GreenSpace

DN470B LED20S/830 PSED-E C WH CU5 PGO

200mm, LED Module, system flux 2000 lm, 830 warm white, Power supply unit with DALI interface, DC compatible, external, Connection unit 5-pole, Wire-protected, splash-proof, White RAL 9003

Customers want to strike the ideal balance between their initial investment and the cost of the installation during its lifetime. GreenSpace is a cost-efficient and sustainable downlight that can be used to replace conventional CFL downlights in general lighting applications. It features the latest LED technology, which enables extremely low power consumption, while delivering consistent light output, stable color performance and high color rendering. The product's long lifetime makes it a true 'fit and forget' solution.

Product data

LED20S [LED Module, system flux 2000 lm]
- [-]
No
1 unit
-
Yes
*-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.

Product family code	DN470B [200mm]
Lighting Technology	LED
Value ladder	Specification
CE mark	Yes
Warranty period	3 years
Flammability mark	For mounting on normally flammable
	surfaces
ENEC mark	ENEC mark
Glow-wire test	Temperature 850 °C, duration 5 s
EU RoHS compliant	Yes
Light Technical	
Luminous Flux	1,850 lm
Correlated Color Temperature (Nom)	3000 K

Datasheet, 2023, April 29 data subject to change

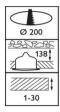
GreenSpace

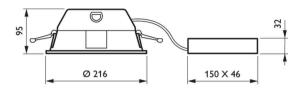
Luminous Efficacy (rated) (Nom)	101 lm/W
Luminous Efficacy (rated) (Nom)	80
Color rendering index (CRI)	
Number of light sources	120 daggae(s)
Beam angle of light source	120 degree(s)
Light source color	830 warm white
Optic type	High-gloss mirror
Luminaire light beam spread	88°
Unified glare rating CEN	22
0 151 1	
Operating and Electrical	
Input Voltage	220 to 240 V
Line Frequency	50 to 60 Hz
Inrush current	16 A
Inrush time	0.22 ms
Power Consumption	18.3 W
Power Factor (Fraction)	0.9
Connection	Connection unit 5-pole
Cable	-
Temperature Ambient temperature range	+10 to +40 °C
Temperature Ambient temperature range	+10 to +40 °C
	+10 to +40 °C
Ambient temperature range	+10 to +40 °C Yes
Ambient temperature range Controls and Dimming	
Ambient temperature range Controls and Dimming Dimmable	Yes
Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer	Yes Power supply unit with DALI interface, DC
Ambient temperature range Controls and Dimming Dimmable	Yes Power supply unit with DALI interface, DC compatible, external
Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer Control interface Constant light output	Yes Power supply unit with DALI interface, DC compatible, external DALI
Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer Control interface Constant light output Mechanical and Housing	Yes Power supply unit with DALI interface, DC compatible, external DALI No
Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer Control interface Constant light output Mechanical and Housing Housing Material	Yes Power supply unit with DALI interface, DC compatible, external DALI No Aluminum
Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer Control interface Constant light output Mechanical and Housing Housing Material Reflector material	Yes Power supply unit with DALI interface, DC compatible, external DALI No Aluminum Polycarbonate aluminum coated
Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer Control interface Constant light output Mechanical and Housing Housing Material	Yes Power supply unit with DALI interface, DC compatible, external DALI No Aluminum
Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer Control interface Constant light output Mechanical and Housing Housing Material Reflector material Optic material	Yes Power supply unit with DALI interface, DC compatible, external DALI No Aluminum Polycarbonate aluminum coated
Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer Control interface Constant light output Mechanical and Housing Housing Material Reflector material Optic material Optical cover material	Yes Power supply unit with DALI interface, DC compatible, external DALI No Aluminum Polycarbonate aluminum coated Polycarbonate
Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer Control interface Constant light output Mechanical and Housing Housing Material Reflector material Optic material Optical cover material Fixation material	Yes Power supply unit with DALI interface, DC compatible, external DALI No Aluminum Polycarbonate aluminum coated Polycarbonate
Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer Control interface Constant light output Mechanical and Housing Housing Material Reflector material	Yes Power supply unit with DALI interface, DC compatible, external DALI No Aluminum Polycarbonate aluminum coated Polycarbonate Glass -
Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer Control interface Constant light output Mechanical and Housing Housing Material Reflector material Optic material Optical cover material Fixation material Housing Color	Yes Power supply unit with DALI interface, DC compatible, external DALI No Aluminum Polycarbonate aluminum coated Polycarbonate Glass - White RAL 9003

Overall diameter	216 mm
Approval and Application	
Ingress protection code	IP44 [Wire-protected, splash-proof]
Mech. impact protection code	IKO2 [0.2 J standard]
Protection class IEC	Safety class II
Initial Performance (IEC Compliant)	
Luminous flux tolerance	+/-10%
Initial chromaticity	(0.44, 0.40) SDCM<3
Power consumption tolerance	+/-5%
Over Time Performance (IEC Compl	iant)
Control gear failure rate at median useful	5 %
life 50000 h	
Lumen maintenance at median useful	L90
life* 50000 h	
Lumen maintenance at median useful	L80
life* 100000 h	
Application Conditions	
Performance ambient temperature Tq	25 ℃
Maximum dim level	1%
Suitable for random switching	Yes
Product Data	
Order product name	DN470B LED20S/830 PSED-E C WH CU5
	PGO
Full product name	DN470B LED20S/830 PSED-E C WH CU5
	PGO
Full product code	871869624705100
Order code	24705100
Material Nr. (12NC)	910500456293
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718696247051
Numerator - Packs per outer box	1
EAN/UPC - Case	8718696247051

GreenSpace

Dimensional drawing







© 2023 Signify Holding All rights reserved. Signify does not give any representation or warranty as to the accuracy or completeness of the information included herein and shall not be liable for any action in reliance thereon. The information presented in this document is not intended as any commercial offer and does not form part of any quotation or contract, unless otherwise agreed by Signify. Philips and the Philips Shield Emblem are registered trademarks of Koninklijke Philips N.V.