PHILIPS

Lighting



GreenSpace

DN470B LED20S/840 PSED-E C ELP3 WH CU5

GreenSpace Compact UGR22 - LED Module, system flux 2000 lm - 840 neutral white - Power supply unit with DALI interface external, DC compatible for central emergency lighting - Emergency lighting 3 hours duration - Connection unit 5-pole - White

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

General Information	
Number of light sources	1 pc
Lamp family code	LED20S [LED Module, system flux 2000 lm]
Beam angle of light source	120 °
Light source color	840 neutral white
Cap-Base	- [-]
Light source replaceable	No
Number of gear units	1 unit
Gear	-
Driver/power unit/transformer	Power supply unit with DALI interface external, DC compatible for central emergency lighting

Driver included	Yes
Optic type	High-gloss mirror
Luminaire light beam spread	88°
Emergency lighting	Emergency lighting 3 hours duration
Control interface	DALI
Connection	Connection unit 5-pole
Cable	-
Protection class IEC	Safety class II
Glow-wire test	Temperature 850 °C, duration 5 s
Flammability mark	For mounting on normally flammable surfaces
CE mark	CE mark
ENEC mark	ENEC mark

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Warranty period	5 years
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.
Constant light output	No
Number of products on MCB of 16 A type B	24
RoHS mark	RoHS mark
Product family code	DN470B [GreenSpace Compact UGR22]
Unified glare rating CEN	22

Light Technical

Optical cover/lens type accessory	-

Operating and Electrical

Electrical accessories	Connection unit
Input Voltage	220 to 240 V
Input Frequency	50 to 60 Hz
Control signal voltage	0-16 V DC DALI
Inrush current	16 A
Inrush time	0.22 ms
Power Factor (Min)	0.9

Controls and Dimming

Dimmable	Yes

Mechanical and Housing

Housing Material	Aluminum
Reflector material	Polycarbonate aluminum coated
Optic material	Polycarbonate
Optical cover/lens material	-
Fixation material	-
Optical cover/lens finish	-
Overall height	95 mm
Overall diameter	216 mm

Approval and Application

Ingress protection code	IP20 [Finger-protected]
Mech. impact protection code	IK02 [0.2 J standard]

Initial Performance (IEC Compliant)

Initial luminous flux (system flux)	2200 lm
Luminous flux tolerance	+/-10%
Initial LED luminaire efficacy	118.28 lm/W
Init. Corr. Color Temperature	4000 K
Init. Color Rendering Index	80
Initial chromaticity	(0.38, 0.38) SDCM <3.5
Initial input power	18.6 W
Power consumption tolerance	+/-5%

Over Time Performance (IEC Compliant)

Control gear failure rate at median useful life 50000 h	5 %
Lumen maintenance at median useful life* 50000 h	L80

Application Conditions

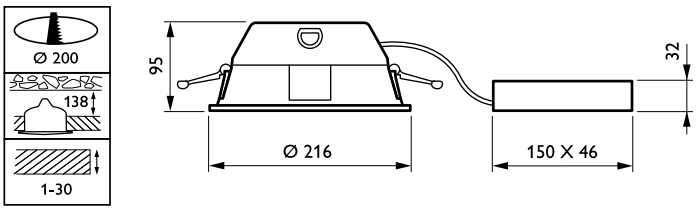
Ambient temperature range	+10 to +40 °C
Performance ambient temperature Tq	25 °C
Maximum dim level	1%
Suitable for random switching	Yes (relates to presence/ movement detection and daylight harvesting)

Product Data

Full product code	871869624692400
Order product name	DN470B LED20S/840 PSED-E C ELP3 WH CU5
EAN/UPC - Product	8718696246924
Order code	910500456280
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	1
Material Nr. (12NC)	910500456280
Net Weight (Piece)	2.180 kg

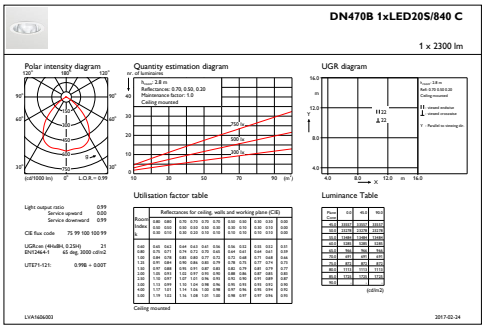
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Dimensional drawing

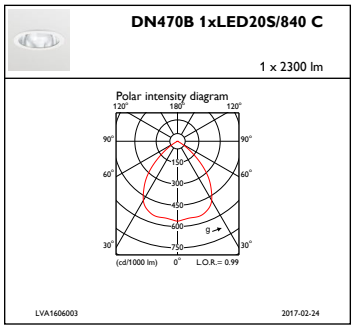


GreenSpace gen2 DN460B-DN473B

Photometric data



IFGU1_DN470B1xLED20S840C



IFPC1_DN470B1xLED20S840C

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