



GreenSpace

DN470B LED20S/840 PSD-VLC-E C WH

200mm, LED Module, system flux 2000 lm, 840 neutral white, Power supply unit with DALI interface, DC compatible, external, White RAL 9003

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	DN470B [200mm]
Lighting Technology	LED
Value ladder	Specification
CE mark	Yes
Warranty period	5 years
Flammability mark	For mounting on normally flammable
	surfaces

Datasheet, 2023, September 22 data subject to change

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Light Technical Luminous Flux 2,200 lm Correlated Color Temperature (Nom) 4000 K Luminous Efficacy (rated) (Nom) 118.28 lm/W Color rendering index (CRI) 80 Number of light sources 1 Beam angle of light source 120 degree(s) Light source color 840 neutral white Optic type High-gloss mirror Luminaire light beam spread 88° Unified glare rating CEN 22 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 18.6 W Power Factor (Fraction) 0.9 Connection Push-in connector and pull relief Cable - Number of products on MCB of 16 A type 24 B Temperature 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 Aluminum Reflector material	ENEC mark	ENEC mark
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Luminous Flux 2,200 lm Correlated Color Temperature (Nom) 4000 K Luminous Efficacy (rated) (Nom) 118.28 lm/W Color rendering index (CRI) 80 Number of light sources 1 Beam angle of light source 120 degree(s) Light source color 840 neutral white Optic type High-gloss mirror Luminaire light beam spread 88° Unified glare rating CEN 22 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 18.6 W Power Factor (Fraction) 0.9 Connection Push-in connector and pull relief Cable - Number of products on MCB of 16 A type 24 B Temperature 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 Aluminum Reflector material	EU RoHS compliant	Yes
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Luminous Efficacy (rated) (Nom) Color rendering index (CRI) Number of light sources 1 Beam angle of light source Light source color 840 neutral white Optic type High-gloss mirror Luminaire light beam spread 88° Unified glare rating CEN 22 Operating and Electrical Input Voltage 220 to 240 V Line Frequency Inrush current 16 A Inrush time 0.22 ms Power Consumption 18.6 W Power Factor (Fraction) Connection Push-in connector and pull relief Cable - Number of products on MCB of 16 A type B Temperature 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 Control interface Contant light output No Mechanical and Housing Housing Material Reflector material	Correlated Color Temperature (Nom)	,
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Light source color Optic type High-gloss mirror Luminaire light beam spread 88° Unified glare rating CEN 22 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 18.6 W Power Factor (Fraction) Connection Push-in connector and pull relief Cable - Number of products on MCB of 16 A type B Temperature 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 Constant light output No Mechanical and Housing Housing Material Reflector material Polycarbonate aluminum coated	Beam angle of light source	120 degree(s)
Optic type Luminaire light beam spread B8° Unified glare rating CEN Operating and Electrical Input Voltage Line Frequency Inrush current Inrush time O.22 ms Power Consumption B.6 W Power Factor (Fraction) Cable - Number of products on MCB of 16 A type B Temperature Ambient temperature range Temperature Ambient temperature range Power supply unit with DALI interface, DC compatible, external Control interface Constant light output Mechanical and Housing Housing Material Reflector material Polycarbonate aluminum coated		
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Input Voltage Line Frequency 50 to 60 Hz Inrush current 16 A Inrush time 0.22 ms Power Consumption 18.6 W Power Factor (Fraction) Connection Push-in connector and pull relief Cable - Number of products on MCB of 16 A type B Temperature 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 Constant light output No Mechanical and Housing Housing Material Reflector material Polycarbonate aluminum coated	-	
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Power Consumption 18.6 W Power Factor (Fraction) 0.9 Connection Push-in connector and pull relief Cable - Number of products on MCB of 16 A type 24 B Temperature 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 Aluminum Reflector material Polycarbonate aluminum coated	Line Frequency	50 to 60 Hz
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Power Factor (Fraction) Connection Push-in connector and pull relief Cable - Number of products on MCB of 16 A type B Temperature 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 Constant light output No Mechanical and Housing Housing Material Reflector material Polycarbonate aluminum coated	Inrush time	0.22 ms
Connection Push-in connector and pull relief Cable - Number of products on MCB of 16 A type B Temperature 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 Aluminum Reflector material Polycarbonate aluminum coated	Power Consumption	18.6 W
Cable - Number of products on MCB of 16 A type 24 B Temperature 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 Aluminum Reflector material Polycarbonate aluminum coated	Power Factor (Fraction)	0.9
Number of products on MCB of 16 A type B Temperature 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 Aluminum Reflector material Polycarbonate aluminum coated	Connection	Push-in connector and pull relief
Temperature 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 Aluminum Reflector material Polycarbonate aluminum coated	Cable	-
Temperature 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 Aluminum Reflector material Polycarbonate aluminum coated	Number of products on MCB of 16 A type	24
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 Aluminum Reflector material Polycarbonate aluminum coated	В	
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 Aluminum Reflector material Polycarbonate aluminum coated		
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 Aluminum Reflector material Polycarbonate aluminum coated	-	40.1
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 Aluminum Reflector material Polycarbonate aluminum coated	Ambient temperature range	+10 to +40 °C
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compatible, external Control interface DALI Constant light output No Mechanical and Housing Housing Material Aluminum Reflector material Polycarbonate aluminum coated	Dimmable	Yes
compatible, external Control interface DALI Constant light output No Mechanical and Housing Housing Material Aluminum Reflector material Polycarbonate aluminum coated	Driver/power unit/transformer	Power supply unit with DALI interface, DC
Mechanical and Housing Housing Material Aluminum Reflector material Polycarbonate aluminum coated		
Mechanical and Housing Housing Material Aluminum Reflector material Polycarbonate aluminum coated	Control interface	DALI
Mechanical and Housing Housing Material Aluminum Reflector material Polycarbonate aluminum coated	Constant light output	,
Housing Material Aluminum Reflector material Polycarbonate aluminum coated		
Reflector material Polycarbonate aluminum coated	Mechanical and Housing	
	Housing Material	Aluminum
Optic material Polycarbonate	Reflector material	Polycarbonate aluminum coated
	Optic material	Polycarbonate

Optical cover material	-
Fixation material	-
Housing Color	White RAL 9003
Optical cover 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]
Protection class IEC	Safety class II
Initial Performance (IEC Compliant)	
Luminous flux tolerance	+/-10%
Initial chromaticity	(0.38, 0.38) SDCM<3
Power consumption tolerance	+/-5%
Over Time Performance (IEC Compli	ant)
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 °C
Maximum dim level	1%
Suitable for random switching	Yes
Product Data	
Order product name	DN470B LED20S/840 PSD-VLC-E C WH
Full product name	DN470B LED20S/840 PSD-VLC-E C WH
Full product code	871869624342800
Order code	910500454971
Material Nr. (12NC)	910500454971
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718696243428
Numerator - Packs per outer box	1
EAN/UPC - Case	8718696243428

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Dimensional drawing





