



GreenSpace

DN471B LED20S/830 PSD-E C ELP3 WH

200mm + anti-glare ring, LED Module, system flux 2000 lm, 830 warm white, Power supply unit with DALI interface, DC compatible, external, Emergency lighting 3 hours duration, 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

-	
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.

Product family code DN471B [200mm + anti-glare ring] Lighting Technology LED Value ladder Specification CE mark Yes Warranty period 5 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 Correlated Color Temperature (Nom) 3000 K		
Value ladder Specification CE mark Yes Warranty period 5 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 2,150 lm	Product family code	DN471B [200mm + anti-glare ring]
CE mark Warranty period 5 years Flammability mark For mounting on normally flammable surfaces ENEC mark Glow-wire test Temperature 850 °C, duration 5 s EU RoHS compliant Yes Light Technical Luminous Flux 2,150 lm	Lighting Technology	LED
Warranty period 5 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 2,150 lm	Value ladder	Specification
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 2,150 lm	CE mark	Yes
surfaces ENEC mark ENEC mark Glow-wire test Temperature 850 °C, duration 5 s EU RoHS compliant Yes Light Technical Luminous Flux 2,150 lm	Warranty period	5 years
ENEC mark Glow-wire test Temperature 850 °C, duration 5 s EU RoHS compliant Yes Light Technical Luminous Flux 2,150 lm	Flammability mark	For mounting on normally flammable
Glow-wire test Temperature 850 °C, duration 5 s EU RoHS compliant Yes Light Technical Luminous Flux 2,150 lm		surfaces
EU RoHS compliant Yes Light Technical Luminous Flux 2,150 lm	ENEC mark	ENEC mark
Light Technical Luminous Flux 2,150 lm	Glow-wire test	Temperature 850 °C, duration 5 s
Luminous Flux 2,150 lm	EU RoHS compliant	Yes
Luminous Flux 2,150 lm		
	Light Technical	
Correlated Color Temperature (Nom) 3000 K	Luminous Flux	2,150 lm
	Correlated Color Temperature (Nom)	3000 K

Datasheet, 2023, April 29 data subject to change

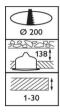
GreenSpace

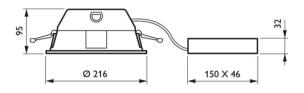
Luminous Efficacy (rated) (Nom) 115.59 lm/W Color rendering index (CRI) 80 Number of light sources 120 degree(s) Light source color 830 warm white Optic type High-gloss mirror Luminaire light beam spread 64° Unified glare rating CEN 19 Operating and Electrical Input Voltage 220 to 240 V Line Frequency 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 B 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 Optic material Polycarbonate Optical cover material - Fixation material - Housing Color White RAL 9003 Optical cover finish -		
Number of light sources 1 Beam angle of light source 120 degree(s) Light source color 830 warm white Optic type High-gloss mirror Luminaire light beam spread 64° Unified glare rating CEN 19 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 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 Constant light output No Mechanical and Housing Housing Material Aluminum Reflector material Polycarbonate Optic material Polycarbonate Optical cover material - Fixation material - Fixation material Housing Color White RAL 9003	Luminous Efficacy (rated) (Nom)	115.59 lm/W
Beam angle of light source Light source color Optic type High-gloss mirror Luminaire light beam spread 64° Unified glare rating CEN Devarting and Electrical Input Voltage 220 to 240 V Line Frequency Inrush current 16 A Inrush time 0.22 ms Power Consumption Beam of products on MCB of 16 A type B Temperature Ambient temperature range Tontrols and Dimming Dimmable Priver/power unit/transformer Control interface DALI Constant light output Mechanical and Housing Housing Material Reflector material Pixation material Polycarbonate Unified glare with pights beam sirror Advanced of 4° Line Frequency 19 20 to 240 V Line Frequency 10 to 60 Hz 10 to 40 V 20 to 60 Hz 10 to 90 Average of the service of the serv	Color rendering index (CRI)	80
Light source color Optic type High-gloss mirror Luminaire light beam spread G4° Unified glare rating CEN Ip Operating and Electrical Input Voltage 220 to 240 V Line Frequency 50 to 60 Hz Inrush current I6 A Inrush time 0.22 ms Power Consumption 18.6 W Power Factor (Fraction) Operating of products on MCB of 16 A type B Temperature Ambient temperature range Themperature Ambient temperature range Power unit/transformer Power supply unit with DALI interface, DC compatible, external Control interface DALI Constant light output Mechanical and Housing Housing Material Reflector material Polycarbonate Optic material Polycarbonate Optic aterial Polycarbonate Optic material Polycarbonate Optic material Polycarbonate Optical cover material Pixation material Polysing Color White RAL 9003	Number of light sources	1
Optic type High-gloss mirror Luminaire light beam spread 64° Unified glare rating CEN 19 Operating and Electrical 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) 0.9 Connection Push-in connector and pull relief Cable - Number of products on MCB of 16 A type 24 B 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 Aluminum Housing Material Aluminum Reflector material Polycarbonate aluminum coated Optic material - Optical cover material - Housing Color White RAL 9003	Beam angle of light source	120 degree(s)
Luminaire light beam spread Unified glare rating CEN 19 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 B Temperature Ambient temperature range +10 to +40 °C Controls and Dimming Dimmable Yes Driver/power unit/transformer One to compatible, external Control interface DALI Constant light output No Mechanical and Housing Housing Material Reflector material Polycarbonate Optic material Optic material Polycarbonate Optic material Polycarbonate Optic material Polycarbonate Optic material Polycarbonate Pixation Material Pixation Pixation Material Pixation Pixatio	Light source color	830 warm white
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 B 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 Constant light output No Mechanical and Housing Housing Material Aluminum Reflector material Polycarbonate aluminum coated Optic material Polycarbonate Optical Cover material - Fixation material - Housing Color White RAL 9003	Optic type	High-gloss mirror
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 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 Optic acover material - Fixation material - Housing Color White RAL 9003	Luminaire light beam spread	64°
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 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 Optic material Polycarbonate Optical cover material - Fixation material - Housing Color White RAL 9003	Unified glare rating CEN	19
Line Frequency Line Frequency Line Frequency Line Frequency Linrush 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 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 Reflector material Polycarbonate Optic material Polycarbonate Optical cover material - Housing Color White RAL 9003		
Inrush current Inrush current Inrush time O.22 ms Power Consumption 18.6 W Power Factor (Fraction) O.9 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 Reflector material Polycarbonate Optical cover material Polycarbonate Optical cover material Housing Color White RAL 9003	Operating and Electrical	
Inrush current Inrush time O.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 DALI Constant light output No Mechanical and Housing Housing Material Polycarbonate aluminum coated Optical cover material Polycarbonate Optical cover material Housing Color White RAL 9003	Input Voltage	220 to 240 V
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 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 Optic material Polycarbonate Optical cover material - Fixation material - Housing Color White RAL 9003	Line Frequency	50 to 60 Hz
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 Optic material Polycarbonate Optical cover material - Fixation material - Fixation material White RAL 9003	Inrush current	16 A
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 DALI Constant light output No Mechanical and Housing Housing Material Reflector material Polycarbonate aluminum coated Optic material Polycarbonate Optical cover material Fixation material Housing Color White RAL 9003	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 Optic material Polycarbonate Optical cover material - Fixation material - Fixation material - Housing Color White RAL 9003	Power Consumption	18.6 W
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 Optic material Polycarbonate Optical cover material - Fixation material - Fixation material White RAL 9003	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 Optic material Polycarbonate Optical cover material - Fixation material - Fixation material White RAL 9003	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 Optic material Polycarbonate Optical cover material - Fixation material - Fixation material White RAL 9003	Cable	-
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 Optic material Polycarbonate Optical cover material - Fixation material - Fixation material White RAL 9003		24
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 Optic material Polycarbonate Optical cover material - Fixation material - Housing Color White RAL 9003	Temperature	
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 Optic material Polycarbonate Optical cover material - Fixation material - Housing Color White RAL 9003	Ambient temperature range	+10 to +40 °C
Driver/power unit/transformer Power supply unit with DALI interface, DC compatible, external DALI Control interface DALI Constant light output No Mechanical and Housing Housing Material Aluminum Reflector material Polycarbonate aluminum coated Optic material Polycarbonate Optical cover material - Fixation material - White RAL 9003	Controls and Dimming	
compatible, external Control interface DALI Constant light output No Mechanical and Housing Housing Material Aluminum Reflector material Polycarbonate aluminum coated Optic material Polycarbonate Optical cover material - Fixation material - Housing Color White RAL 9003	Dimmable	Yes
Control interface DALI Constant light output No Mechanical and Housing Housing Material Aluminum Reflector material Polycarbonate aluminum coated Optic material Polycarbonate Optical cover material - Fixation material - Housing Color White RAL 9003	Driver/power unit/transformer	Power supply unit with DALI interface, DC
Mechanical and Housing Housing Material Aluminum Reflector material Polycarbonate aluminum coated Optic material Polycarbonate Optical cover material - Fixation material - Housing Color White RAL 9003		compatible, external
Mechanical and Housing Housing Material Aluminum Reflector material Polycarbonate aluminum coated Optic material Polycarbonate Optical cover material - Fixation material - Housing Color White RAL 9003	Control interface	DALI
Housing Material Aluminum Reflector material Polycarbonate aluminum coated Optic material Polycarbonate Optical cover material - Fixation material - Housing Color White RAL 9003	Constant light output	No
Reflector material Polycarbonate aluminum coated Optic material Polycarbonate Optical cover material - Fixation material - Housing Color White RAL 9003	Mechanical and Housing	
Optic material Polycarbonate Optical cover material - Fixation material - Housing Color White RAL 9003	Housing Material	Aluminum
Optical cover material - Fixation material - Housing Color White RAL 9003	Reflector material	Polycarbonate aluminum coated
Fixation material - Housing Color White RAL 9003	Optic material	Polycarbonate
Fixation material - Housing Color White RAL 9003	Optical cover material	-
Housing Color White RAL 9003		-
		White RAL 9003

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	(0.44, 0.40) SDCM<3
Power consumption tolerance	+/-5%
Over Time Performance (IEC Compli	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	DN471B LED20S/830 PSD-E C ELP3 WH
Full product name	DN471B LED20S/830 PSD-E C ELP3 WH
Full product code	871869624353400
Order code	24353400
Material Nr. (12NC)	910500454982
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718696243534
Numerator - Packs per outer box	1
EAN/UPC - Case	8718696243534

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Dimensional drawing







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