



LuxSpace square, recessed

DN572B LED20S/840 PSED-VLC-E F WH

LuxSpace2 Square, LED Module, system flux 2000 lm, 840 neutral white, Power supply unit with DALI interface, DC compatible, external, Facetted reflector, White RAL 9003

Customers are looking to optimize all their resources, and that means not just their running costs (energy, etc.) but also their human resources. Energy savings are therefore a priority, but they must not have an adverse effect on the well-being of employees, who need a pleasant environment in order to be more productive, or on customers, who want to enjoy their shopping experience. LuxSpace provides the perfect combination of efficiency, light comfort and design, without compromising on lighting performance (color rendering and color uniformity). It offers a wide choice of options for creating the desired ambience, no matter the application.

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	DN572B [LuxSpace2 Square]
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

Datasheet, 2023, December 5 data subject to change

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Light Technical Luminous Flux 2,100 lm Correlated Color Temperature (Nom) 4000 K Luminous Efficacy (rated) (Nom) 121 lm/W Color rendering index (CRI) >80 Number of light sources 1 Light source color 840 neutral white Optic type Facetted reflector Optical cover type - Luminaire light beam spread 80° Unified glare rating CEN 19 Operating and Electrical Input Voltage 220 to 240 V Line Frequency 50 to 60 Hz Inrush current 20.4 A Inrush time 0.195 ms Power Consumption 17.4 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 +25 °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 die cast Reflector material Polycarbonate aluminum coated Optic material Polycarbonate luminum coated Optic material Polycarbonate aluminum coated	EU RoHS compliant	No
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Color rendering index (CRI) >80 Number of light sources 1 Light source color 840 neutral white Optic type Facetted reflector Optical cover type - Luminaire light beam spread 80° Unified glare rating CEN 19 Operating and Electrical Input Voltage 220 to 240 V Line Frequency 50 to 60 Hz Inrush current 20.4 A Inrush time 0.195 ms Power Consumption 17.4 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 +25 °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 die cast Reflector material Polycarbonate aluminum coated Optic material Polycarbonate	Correlated Color Temperature (Nom)	4000 K
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Light source color Optic type Optic type Optical cover type Luminaire light beam spread 80° Unified glare rating CEN 19 Operating and Electrical Input Voltage Line Frequency 50 to 60 Hz Inrush current 20.4 A Inrush time 0.195 ms Power Consumption 7.4 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 +25 °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 die cast Reflector material Polycarbonate aluminum coated Optic material Polycarbonate	Color rendering index (CRI)	>80
Optical cover type Luminaire light beam spread 80° Unified glare rating CEN 19 Operating and Electrical Input Voltage Line Frequency Inrush current 10.95 ms Power Consumption Connection Push-in connector and pull relief Cable Number of products on MCB of 16 A type Ambient temperature range Temperature Ambient temperature range Yes Driver/power unit/transformer Control interface Constant light output Mechanical and Housing Housing Material Reflector material Polycarbonate Numind Voltage 220 to 240 V 20 to 40 V 20 t	Number of light sources	1
Optical cover type Luminaire light beam spread 80° Unified glare rating CEN 19 Operating and Electrical Input Voltage 220 to 240 V Line Frequency 50 to 60 Hz Inrush current 20.4 A Inrush time 0.195 ms Power Consumption 17.4 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 +25 °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 Aluminum die cast Reflector material Polycarbonate Optic material Polycarbonate	Light source color	840 neutral white
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 20.4 A Inrush time 0.195 ms Power Consumption 17.4 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 +25 °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 Optic material Polycarbonate	Optic type	Facetted reflector
Unified glare rating CEN 19 Operating and Electrical Input Voltage 220 to 240 V Line Frequency 50 to 60 Hz Inrush current 20.4 A Inrush time 0.195 ms Power Consumption 17.4 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 +25 °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 Polycarbonate	Optical cover type	-
Operating and Electrical Input Voltage 220 to 240 V Line Frequency 50 to 60 Hz Inrush current 20.4 A Inrush time 0.195 ms Power Consumption 17.4 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 +25 °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 die cast Reflector material Polycarbonate aluminum coated Optic material	Luminaire light beam spread	80°
Input Voltage 220 to 240 V Line Frequency 50 to 60 Hz Inrush current 20.4 A Inrush time 0.195 ms Power Consumption 17.4 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 +25 °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 die cast Reflector material Polycarbonate aluminum coated Optic material	Unified glare rating CEN	19
Input Voltage 220 to 240 V Line Frequency 50 to 60 Hz Inrush current 20.4 A Inrush time 0.195 ms Power Consumption 17.4 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 +25 °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 die cast Reflector material Polycarbonate aluminum coated Optic material		
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Inrush current 20.4 A Inrush time 0.195 ms Power Consumption 17.4 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 +25 °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 die cast Reflector material Polycarbonate aluminum coated Optic material Polycarbonate	Input Voltage	220 to 240 V
Inrush time 0.195 ms Power Consumption 17.4 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 +25 °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 die cast Reflector material Polycarbonate aluminum coated Optic material	Line Frequency	50 to 60 Hz
Power Consumption 17.4 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 +25 °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 die cast Reflector material Polycarbonate aluminum coated Optic material Polycarbonate	Inrush current	20.4 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 +25 °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 die cast Reflector material Polycarbonate Polycarbonate	Inrush time	0.195 ms
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 +25 °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 die cast Reflector material Polycarbonate aluminum coated Optic material Polycarbonate	Power Consumption	17.4 W
Cable - Number of products on MCB of 16 A type 24 B Temperature Ambient temperature range +10 to +25 °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 die cast Reflector material Polycarbonate aluminum coated Optic material Polycarbonate	Power Factor (Fraction)	0.9
Number of products on MCB of 16 A type 24 B Temperature Ambient temperature range +10 to +25 °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 die cast Reflector material Polycarbonate aluminum coated Optic material Polycarbonate	Connection	Push-in connector and pull relief
Temperature Ambient temperature range +10 to +25 °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 die cast Reflector material Polycarbonate aluminum coated Optic material Polycarbonate	Cable	-
Temperature Ambient temperature range +10 to +25 °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 die cast Reflector material Polycarbonate aluminum coated Optic material Polycarbonate	Number of products on MCB of 16 A type	24
Ambient temperature range +10 to +25 °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 die cast Reflector material Polycarbonate aluminum coated Optic material Polycarbonate	В	
Ambient temperature range +10 to +25 °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 die cast Reflector material Polycarbonate aluminum coated Optic material Polycarbonate		
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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 die cast Reflector material Polycarbonate aluminum coated Optic material Polycarbonate	Ambient temperature range	+10 to +25 °C
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compatible, external Control interface DALI Constant light output No Mechanical and Housing Housing Material Aluminum die cast Reflector material Polycarbonate aluminum coated Optic material Polycarbonate	Dimmable	Yes
Control interface DALI Constant light output No Mechanical and Housing Housing Material Aluminum die cast Reflector material Polycarbonate aluminum coated Optic material Polycarbonate	Driver/power unit/transformer	Power supply unit with DALI interface, DC
Constant light output No Mechanical and Housing Housing Material Reflector material Polycarbonate aluminum coated Optic material Polycarbonate		compatible, external
Mechanical and Housing Housing Material Aluminum die cast Reflector material Polycarbonate aluminum coated Optic material Polycarbonate	Control interface	DALI
Housing Material Aluminum die cast Reflector material Polycarbonate aluminum coated Optic material Polycarbonate	Constant light output	No
Housing Material Aluminum die cast Reflector material Polycarbonate aluminum coated Optic material Polycarbonate		
Reflector material Polycarbonate aluminum coated Optic material Polycarbonate	Mechanical and Housing	
Optic material Polycarbonate	Housing Material	Aluminum die cast
	Reflector material	Polycarbonate aluminum coated
Optical cover material Glass	Optic material	Polycarbonate
	Optical cover material	Glass

Fixation material	Steel
Housing Color	White RAL 9003
Optical cover finish	Frosted
Overall length	214 mm
Overall width	214 mm
Overall height	119 mm
Dimensions (Height x Width x Depth)	119 x 214 x 214 mm
Approval and Application	
Ingress protection code	IP20 [Finger-protected]
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	(0.38, 0.37) SDCM <3
Power consumption tolerance	+/-10%
Over Time Performance (IEC Comp	liant)
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Control gear failure rate at median usefu	
Control gear failure rate at median usefu	
Control gear failure rate at median usefulife 50000 h	l 5%
Control gear failure rate at median usefulife 50000 h Lumen maintenance at median useful	l 5%
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Control gear failure rate at median useful life 50000 h Lumen maintenance at median useful life* 50000 h Application Conditions	L90
Control gear failure rate at median useful life 50000 h Lumen maintenance at median useful life* 50000 h Application Conditions Performance ambient temperature Tq	L90 25°C
Control gear failure rate at median useful life 50000 h Lumen maintenance at median useful life* 50000 h Application Conditions Performance ambient temperature Tq Maximum dim level	L90 25°C 1%
Control gear failure rate at median useful life 50000 h Lumen maintenance at median useful life* 50000 h Application Conditions Performance ambient temperature Tq Maximum dim level	L90 25°C 1%
Control gear failure rate at median useful life 50000 h Lumen maintenance at median useful life* 50000 h Application Conditions Performance ambient temperature Tq Maximum dim level Suitable for random switching	L90 25°C 1%
Control gear failure rate at median useful life 50000 h Lumen maintenance at median useful life* 50000 h Application Conditions Performance ambient temperature Tq Maximum dim level Suitable for random switching Product Data	L90 25 °C 1% Yes
Control gear failure rate at median useful life 50000 h Lumen maintenance at median useful life* 50000 h Application Conditions Performance ambient temperature Tq Maximum dim level Suitable for random switching Product Data Order product name	L 5 % L90 25 °C 1% Yes DN572B LED20S/840 PSED-VLC-E F WH
Control gear failure rate at median useful life 50000 h Lumen maintenance at median useful life* 50000 h Application Conditions Performance ambient temperature Tq Maximum dim level Suitable for random switching Product Data Order product name Full product name	L90 25 °C 1% Yes DN572B LED20S/840 PSED-VLC-E F WH DN572B LED20S/840 PSED-VLC-E F WH
Control gear failure rate at median useful life 50000 h Lumen maintenance at median useful life* 50000 h Application Conditions Performance ambient temperature Tq Maximum dim level Suitable for random switching Product Data Order product name Full product code	L90 25°C 1% Yes DN572B LED20S/840 PSED-VLC-E F WH DN572B LED20S/840 PSED-VLC-E F WH 871829194032600
Control gear failure rate at median useful life 50000 h Lumen maintenance at median useful life* 50000 h Application Conditions Performance ambient temperature Tq Maximum dim level Suitable for random switching Product Data Order product name Full product name Full product code Order code	L90 25 °C 1% Yes DN572B LED20S/840 PSED-VLC-E F WH DN572B LED20S/840 PSED-VLC-E F WH 871829194032600 910503706596
Control gear failure rate at median useful life 50000 h Lumen maintenance at median useful life* 50000 h Application Conditions Performance ambient temperature Tq Maximum dim level Suitable for random switching Product Data Order product name Full product name Full product code Order code Material Nr. (12NC)	L 5 % L90 25 °C 1% Yes DN572B LED20S/840 PSED-VLC-E F WH DN572B LED20S/840 PSED-VLC-E F WH 871829194032600 910503706596 910503706596
Control gear failure rate at median useful life 50000 h Lumen maintenance at median useful life* 50000 h Application Conditions Performance ambient temperature Tq Maximum dim level Suitable for random switching Product Data Order product name Full product name Full product code Order code Material Nr. (12NC) Numerator - Quantity Per Pack	L 5 % L90 25 °C 1% Yes DN572B LED20S/840 PSED-VLC-E F WH DN572B LED20S/840 PSED-VLC-E F WH 871829194032600 910503706596 910503706596 1

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Dimensional drawing



