



LuxSpace, recessed

DN570B LED20S/830 PSD-VLC-E F WH

LUXSPACE 2 COMPACT LOW HEIGHT - LED Module, system flux 2000 lm - 830 warm white - Power supply unit with DALI interface external, DC compatible for central emergency lighting - 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		Optical cover/lens type	
Number of light sources	1 [1 pc]	Optical cover/lens type	No [-]
Lamp family code	LED20S [LED Module, system flux 2000 lm]	Luminaire light beam spread	80°
Light source colour	830 warm white	Emergency lighting	No [-]
Cap base	- [-]	Control interface	DALI
Light source replaceable	No	Connection	Push-in connector and pull relief
Number of gear units	1 unit	Cable	-
Gear	-	Protection class IEC	Safety class II
Driver/power unit/transformer	PSED-E [Power supply unit with DALI interface external, DC compatible for central emergency lighting]	Glow-wire test	Temperature 850 °C, duration 5 s
Driver included	Yes	Flammability mark	F [For mounting on normally flammable surfaces]
Optic type	F [Facetted reflector]	CE mark	CE mark
		ENEC mark	ENEC mark
		UL mark	No

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Warranty period	5 years
Decorative accessories	No [-]
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 (16 A type B)	24
EU RoHS compliant	No
Product family code	DN570B [LUXSPACE 2 COMPACT LOW HEIGHT]
Unified glare rating CEN	22

Light Technical

Optical cover/lens acc. type	No [-]
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Operating and Electrical

Input Voltage	220 to 240 V
Input frequency	50 to 60 Hz
Control signal voltage	0-16 V DC DALI
Inrush current	20.4 A
Inrush time	0.195 ms
Power factor (min.)	0.9

Controls and Dimming

Dimmable	Yes
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Mechanical and Housing

Housing configuration	BV [Basic version]
Housing material	Aluminium die-cast
Reflector material	Polycarbonate aluminium coated
Optic material	Polycarbonate
Optical cover/lens material	Polycarbonate
Fixation material	Steel
Optical cover/lens finish	Frosted
Overall height	96.5 mm
Overall diameter	214 mm

Colour	White RAL 9003
Dimensions (height x width x depth)	97 x NaN x NaN mm (3.8 x NaN x NaN in)

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	2200 lm
Luminous flux tolerance	+/-10%
Initial LED luminaire efficacy	116 lm/W
Init. Corr. Colour Temperature	3000 K
Init. Colour rendering index	>80
Initial chromaticity	(0.43, 0.40) SDCM <3
Initial input power	19 W
Power consumption tolerance	+/-10%

Over Time Performance (IEC Compliant)

Control gear failure rate at median useful life 50,000 h	5 %
Lumen maintenance at median useful life* 50,000 h	L90

Application Conditions

Ambient temperature range	+10 to +25 °C
Performance ambient temperature Tq	25 °C
Maximum dimming level	1%
Suitable for random switching	Yes

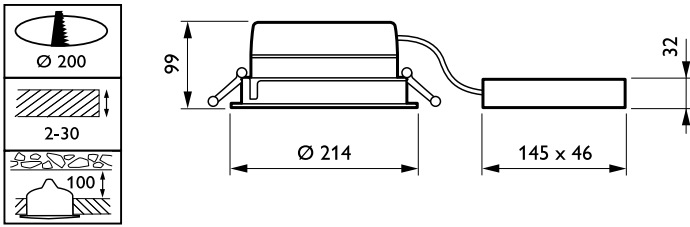
Product Data

Full product code	871829193058700
Order product name	DN570B LED20S/830 PSD-VLC-E F WH
EAN/UPC – product	8718291930587
Order code	93058700
Numerator – quantity per pack	1
SAP numerator – packs per outer box	1
Material no. (12 NC)	910503588215
SAP net weight (piece)	1.080 kg



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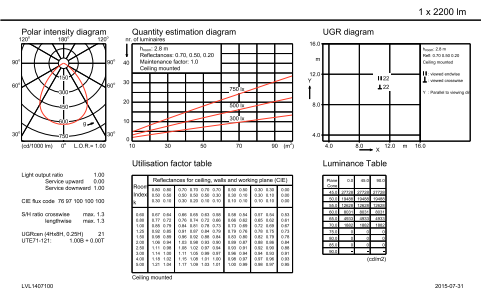
Dimensional drawing



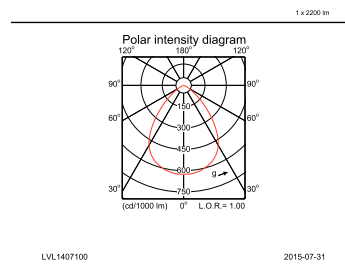
LuxSpace gen2 DN570B-DN572B

Photometric data

DN570B PSE-E 1xLED20S/830 F



DN570B PSE-E 1xLED20S/830 F



IFGU_DN570B PSE-E 1xLED20S/830 F-General uniform lighting

IFPC_DN570B PSE-E 1xLED20S/830 F-Polar Indoor (combined)

