PHILIPS Lighting



LuxSpace, recessed

DN570B LED20S/830 PSD-VLC-E C PG WH

LUXSPACE 2 COMPACT LOW HEIGHT, LED Module, system flux 2000 lm, 830 warm white, Power supply unit with DALI interface, DC-compatible, external, High-gloss mirror, Protection glass, White RAL 9003

Customers are looking to optimise 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 (colour rendering and colour 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	Unit	
Gear	-	
Driver included	Yes	
Remarks	*- According to the Lighting Europe guidance	
	paper 'Evaluating performance of LED based	
	luminaires – January 2018': statistically there	
	is no relevant difference in lumen	
	maintenance between the B50 and, for	
	example, the B10. Therefore, the median	

	useful life (B50) value also represents the B10
	value.
Product family code	DN570B [LUXSPACE 2 COMPACT LOW
	HEIGHT]
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	No
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Light Technical	
Luminous Flux	2,100 lm
Correlated Colour Temperature	3000 K
Luminous efficacy (rated) (nom.)	111 lm/W
Colour rendering index (CRI)	>80
Light source colour	830 warm white
Optic type	High-gloss mirror
Optical cover type	Protection glass
Luminaire light beam spread	80°
Unified Glare Rating (CEN)	22

Overall diameter	214 mm	
Approval and Application		
Ingress protection code	IP20/54 [Finger-protected; dust	
	accumulation-protected, splash-proof]	
Mech. impact protection code	IK02 [0.2 J standard]	
Protection class IEC	Safety class II	
Initial Performance (IEC Complian	t)	
Luminous flux tolerance	+/-10%	
Initial chromaticity	(0.43, 0.40) SDCM <3	
Power consumption tolerance	+/-10%	
Over Time Performance (IEC Com	oliant)	
Control gear failure rate at median	5 %	
useful life 50,000 h		
Lumen maintenance at median useful	L90	
life* 50,000 h		
Lumen maintenance at median useful	L80	
life* 100,000 h		
Application Conditions		
Performance ambient temperature Tq	25 ℃	
Maximum dim level	1%	
Suitable for random switching	Yes	
Product Data		
Order product name	DN570B LED20S/830 PSD-VLC-E C PG WH	
Full product name	DN570B LED20S/830 PSD-VLC-E C PG WH	
Full EOC	871829193077800	
Order code	93077800	
Material no. (12 NC)	910503590115	

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8718291930778

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Frosted

96.5 mm

Optical cover/lens finish

SAP numerator - quantity per pack

Numerator – packs per outer box

EAN/UPC - Product/Case

EAN/UPC - Case

Overall height

Operating and Elect	rical	ι
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operating and Electricat	
Input Voltage	220 to 240 V
Line Frequency	50 to 60 Hz
Inrush current	20.4 A
Inrush time	0.195 ms
Power Consumption	19 W
Power Factor (Fraction)	0.9
Connection	Push-in connector and pull relief
Cable	-
Number of products on MCB of 16 A type 24	

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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	

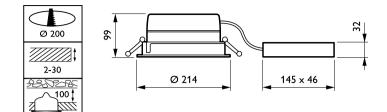
Mechanical and Housing

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Housing material	Aluminium die cast
Reflector material	Aluminium and polycarbonate
Optic material	Polycarbonate
Optical cover/lens material	Polycarbonate
Fixation material	Steel
Housing Colour	White RAL 9003

Datasheet, 2023, December 5

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Dimensional drawing





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www.lighting.philips.com 2023, December 5 - data subject to change