



CoreLine surfacemounted

SM120V LED37S/840 PSD W20L120

Coreline Surface, LED Module, system flux 3700 lm, 840 neutral white, Power supply unit with DALI interface

Whether for a new building or renovation of an existing space, customers want lighting solutions that provide quality of light and substantial energy and maintenance savings. The new CoreLine Surface-mounted range of LED products can be used to replace functional luminaires in general lighting applications. The process of selecting, installing and maintaining is so easy – it's a simple switch.

Warnings and Safety

- The product is IPXO & as such is not protected against water ingress & as such we strongly recommend that The environment in which The luminaire is to be installed is suitably checked
- If the above advice is not taken and the luminaires are subject to water ingress, Philips / Signify cannot guarantee safe failure & product warranty will become void

Product data

General Information	
Lamp family code	LED37S [LED Module, system flux 3700 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	SM120V [Coreline Surface]
Lighting Technology	LED
Value ladder	Performance
CE mark	Yes
Warranty period	3 years + 2 years upon registration
Flammability mark	For mounting on normally flammable surfaces

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ENEC mark	ENEC mark
Glow-wire test	Temperature 850 °C, duration 30 s
EU RoHS compliant	Yes
Light Technical	

Luminous Flux	3,700 lm
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	104 lm/W
Color rendering index (CRI)	≥80
Number of light sources	2
Light source color	840 neutral white
Optic type	Wide beam
Optical cover type	Polycarbonate linear satinized
Luminaire light beam spread	86°
Unified glare rating CEN	Not applicable

Operating and Electrical

Input Voltage	220 to 240 V
Line Frequency	50 to 60 Hz
Inrush current	22 A
Inrush time	0.275 ms
Power Consumption	35.3 W
Power Factor (Fraction)	0.9
Connection	Push-in connector and pull relief
Cable	-

+10 to +40 °C

Number of products on MCB of 16 A type 24

в

Temperature

Housing Material

Ambient temperature range

Dimmable	Yes
Driver/power unit/transformer	Power supply unit with DALI interface
Control interface	DALI
Constant light output	No

Steel

Optical cover material Polycarbonate **Fixation material** Steel Housing Color White Optical cover finish Textured Overall length 1,197 mm Overall width 197 mm Overall height 36 mm Dimensions (Height x Width x Depth) 36 x 197 x 1197 mm Approval and Application IP20 [Finger-protected] Ingress protection code Mech. impact protection code IK02 [0.2 J standard] Protection class IEC Safety class I Initial Performance (IEC Compliant) Luminous flux tolerance +/-10% (0.38, 0.38) SDCM <3 Initial chromaticity Power consumption tolerance +/-10% **Application Conditions** Performance ambient temperature Tq 25 °C Maximum dim level 1% Suitable for random switching Yes **Product Data** SM120V LED37S/840 PSD W20L120 Order product name Full product name SM120V LED37S/840 PSD W20L120 Full product code 871829126824600 26824600 Order code Material Nr. (12NC) 910501989903 Numerator - Quantity Per Pack 1 EAN/UPC - Product/Case 8718291268246

1

8718291268246

Steel

Polycarbonate

Reflector material

Numerator - Packs per outer box

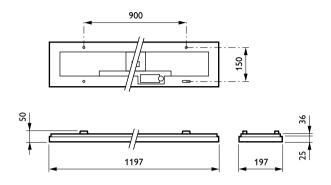
EAN/UPC - Case

Optic material

Datasheet, 2023, August 3

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Dimensional drawing





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