CoreLine surface-mounted

SM120V LED27S/840 PSD W60L60

Coreline Surface, LED Module, system flux 2700 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.Coreline Surface Mounted also provides the option of advanced connectivity and is ready to be connected to IoT based software applications such as Interact Pro.

Warnings and Safety
- The product is IPX0 and as such is not protected against water ingress, so 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 and product warranty will become void

Product data

General Information

Lamp family code	LED27S [LED Module, system flux 2700 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

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	useful life (B50) value also represents the B10 value.	Constant light output	No
Product family code	SM120V [Coreline Surface]		
Lighting Technology	LED	**Mechanical and Housing**	
Value ladder	Performance	Housing material	Steel
CE mark	Yes	Reflector material	Steel
Warranty period	3 years + 2 years upon registration	Optic material	Polycarbonate
Flammability mark	For mounting on normally flammable surfaces	Optical cover/lens material	Polycarbonate
ENEC mark	ENEC mark	Fixation material	Steel
Glow-wire test	Temperature 850 °C, duration 30 s	Housing Colour	White
EU RoHS compliant	Yes	Optical cover/lens finish	Textured
		Overall length	597 mm
		Overall width	597 mm
Light Technical		Overall height	36 mm
Luminous Flux	2,700 lm	Dimensions (height x width x depth)	36 x 597 x 597 mm
Correlated Colour Temperature	4000 K		
Luminous efficacy (rated) (nom.)	92 lm/W		
Colour rendering index (CRI)	≥80	**Approval and Application**	
Light source colour	840 neutral white	Ingress protection code	IP20 [Finger-protected]
Optic type	Wide beam	Mech. impact protection code	IK02 [0.2 J standard]
Optical cover type	Polycarbonate linear satinised	Protection class IEC	Safety class I
Luminaire light beam spread	86°		
Unified Glare Rating (CEN)	Not applicable	**Initial Performance (IEC Compliant)**	
		Luminous flux tolerance	+/-10%
		Initial chromaticity	(0.38, 0.38) SDCM <3
Operating and Electrical		Power consumption tolerance	+/-10%
Input Voltage	220 to 240 V		
Line Frequency	50 to 60 Hz	**Application Conditions**	
Inrush current	14.7 A	Performance ambient temperature Tq	25 °C
Inrush time	0.25 ms	Maximum dim level	1%
Power Consumption	26.6 W	Suitable for random switching	Yes
Power Factor (Fraction)	0.9		
Connection	Push-in connector and pull relief	**Product Data**	
Cable	–	Order product name	SM120V LED27S/840 PSD W60L60
Number of products on MCB of 16 A type B	38	Full product name	SM120V LED27S/840 PSD W60L60
		Full EOC	871829126823900
		Order code	26823900
Temperature		Material no. (12 NC)	910925863275
Ambient temperature range	+10 to +40 °C	SAP numerator – quantity per pack	1
		EAN/UPC — Product/Case	8718291268239
Controls and Dimming		Numerator – packs per outer box	1
Dimmable	Yes	EAN/UPC – Case	8718291268239
Driver/power unit/transformer	Power supply unit with DALI interface		
Control interface	DALI		

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Dimensional drawing

380
380
50
36
25
Ø 597

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2023, December 4 – data subject to change