



CoreLine surfacemounted

SM120V LED37S/840 PSU W60L60

Coreline Surface, LED Module, system flux 3700 lm, 840 neutral white, Power supply unit (On/Off)

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 IPXO 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	LED37S [LED Module, system flux 3700 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.

Datasheet, 2023, December 4 data subject to change

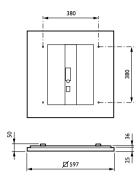
CoreLine surface-mounted

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
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 Colour Temperature	4000 K
Luminous efficacy (rated) (nom.)	93 lm/W
Colour rendering index (CRI)	≥80
Light source colour	840 neutral white
Optic type	Wide beam
Optical cover type	Polycarbonate linear satinised
Luminaire light beam spread	86°
Unified Glare Rating (CEN)	Not applicable
Operating and Electrical Input Voltage	220 to 240 V
par vortage	
Line Frequency	50 to 60 Hz
	50 to 60 Hz 8 A
Line Frequency	
Line Frequency Inrush current	8 A
Line Frequency Inrush current Inrush time	8 A 0.06 ms
Line Frequency Inrush current Inrush time Power Consumption	8 A 0.06 ms 34.2 W
Line Frequency Inrush current Inrush time Power Consumption Power Factor (Fraction)	8 A 0.06 ms 34.2 W 0.9
Line Frequency Inrush current Inrush time Power Consumption Power Factor (Fraction) Connection	8 A 0.06 ms 34.2 W 0.9
Line Frequency Inrush current Inrush time Power Consumption Power Factor (Fraction) Connection Cable	8 A 0.06 ms 34.2 W 0.9 Push-in connector and pull relief
Line Frequency Inrush current Inrush time Power Consumption Power Factor (Fraction) Connection Cable Number of products on MCB of 16 A type B	8 A 0.06 ms 34.2 W 0.9 Push-in connector and pull relief
Line Frequency Inrush current Inrush time Power Consumption Power Factor (Fraction) Connection Cable Number of products on MCB of 16 A type B Temperature	8 A 0.06 ms 34.2 W 0.9 Push-in connector and pull relief
Line Frequency Inrush current Inrush time Power Consumption Power Factor (Fraction) Connection Cable Number of products on MCB of 16 A type B	8 A 0.06 ms 34.2 W 0.9 Push-in connector and pull relief - 24
Line Frequency Inrush current Inrush time Power Consumption Power Factor (Fraction) Connection Cable Number of products on MCB of 16 A type B Temperature	8 A 0.06 ms 34.2 W 0.9 Push-in connector and pull relief - 24
Line Frequency Inrush current Inrush time Power Consumption Power Factor (Fraction) Connection Cable Number of products on MCB of 16 A type B Temperature Ambient temperature range	8 A 0.06 ms 34.2 W 0.9 Push-in connector and pull relief - 24
Line Frequency Inrush current Inrush time Power Consumption Power Factor (Fraction) Connection Cable Number of products on MCB of 16 A type B Temperature Ambient temperature range Controls and Dimming	8 A 0.06 ms 34.2 W 0.9 Push-in connector and pull relief - 24 +10 to +40 °C

Mechanical and Housing		
Housing material	Steel	
Reflector material	Steel	
Optic material	Polycarbonate	
Optical cover/lens material	Polycarbonate	
Fixation material	Steel	
Housing Colour	White	
Optical cover/lens finish	Textured	
Overall length	597 mm	
Overall width	597 mm	
Overall height	36 mm	
Dimensions (height x width x depth)	36 x 597 x 597 mm	
Approval and Application		
Ingress protection code	IP20 [Finger-protected]	
Mech. impact protection code	IK02 [0.2 J standard]	
Protection class IEC	Safety class I	
Initial Performance (IEC Compliant)		
Luminous flux tolerance	+/-10%	
Initial chromaticity	(0.38, 0.38) SDCM <3	
Power consumption tolerance	+/-10%	
Application Conditions		
Performance ambient temperature Tq	25 °C	
Suitable for random switching	Yes	
Product Data		
Order product name	SM120V LED37S/840 PSU W60L60	
Full product name	SM120V LED37S/840 PSU W60L60	
Full EOC	871794389759900	
Order code	89759900	
Material no. (12 NC)	910503695518	
SAP numerator – quantity per pack	1	
EAN/UPC — Product/Case	8719514183414	
Numerator – packs per outer box	1	
EAN/UPC - Case	8717943897599	
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CoreLine surface-mounted

Dimensional drawing





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