



CoreLine surface-mounted

SM120V LED27S/840 PSU W20L120

Coreline Surface, LED Module, system flux 2700 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 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		Remarks
Lamp family code	LED27S [LED Module, system flux 2700 lm]	*- 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.
Cap base	- [-]	
Light source replaceable	No	
Number of gear units	Unit	
Gear	-	
Driver included	Yes	

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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	2,700 lm
Correlated Colour Temperature	4000 K
Luminous efficacy (rated) (nom.)	90 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
Line Frequency	50 to 60 Hz
Inrush current	5.3 A
Inrush time	0.07 ms
Power Consumption	27 W
Power Factor (Fraction)	0.9
Connection	Push-in connector and pull relief
Cable	-
Number of products on MCB of 16 A type B	24

Temperature

Ambient temperature range	+10 to +40 °C
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Controls and Dimming

Dimmable	No
Driver/power unit/transformer	Power supply unit (On/Off)
Constant light output	No

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	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

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 LED27S/840 PSU W20L120
Full product name	SM120V LED27S/840 PSU W20L120
Full EOC	871794389762900
Order code	89762900
Material no. (12 NC)	910925863272
SAP numerator – quantity per pack	1
EAN/UPC – Product/Case	8717943897629
Numerator – packs per outer box	1
EAN/UPC – Case	8717943897629

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Dimensional drawing

