



# CoreLine surface-mounted

## 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. 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	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

## CoreLine surface-mounted

	useful life (B50) value also represents the B10 value.
<b>Product family code</b>	SM120V [Coreline Surface]
<b>Lighting Technology</b>	LED
<b>Value ladder</b>	Performance
<b>CE mark</b>	Yes
<b>Warranty period</b>	3 years + 2 years upon registration
<b>Flammability mark</b>	For mounting on normally flammable surfaces
<b>ENEC mark</b>	ENEC mark
<b>Glow-wire test</b>	Temperature 850 °C, duration 30 s
<b>EU RoHS compliant</b>	Yes

### Light Technical

<b>Luminous Flux</b>	3,700 lm
<b>Correlated Colour Temperature</b>	4000 K
<b>Luminous efficacy (rated) (nom.)</b>	104 lm/W
<b>Colour rendering index (CRI)</b>	≥80
<b>Light source colour</b>	840 neutral white
<b>Optic type</b>	Wide beam
<b>Optical cover type</b>	Polycarbonate linear satinised
<b>Luminaire light beam spread</b>	86°
<b>Unified Glare Rating (CEN)</b>	Not applicable

### Operating and Electrical

<b>Input Voltage</b>	220 to 240 V
<b>Line Frequency</b>	50 to 60 Hz
<b>Inrush current</b>	22 A
<b>Inrush time</b>	0.275 ms
<b>Power Consumption</b>	35.3 W
<b>Power Factor (Fraction)</b>	0.9
<b>Connection</b>	Push-in connector and pull relief
<b>Cable</b>	-
<b>Number of products on MCB of 16 A type</b>	24
<b>B</b>	

### Temperature

<b>Ambient temperature range</b>	+10 to +40 °C
----------------------------------	---------------

### Controls and Dimming

<b>Dimmable</b>	Yes
<b>Driver/power unit/transformer</b>	Power supply unit with DALI interface
<b>Control interface</b>	DALI

<b>Constant light output</b>	No
------------------------------	----

### Mechanical and Housing

<b>Housing material</b>	Steel
<b>Reflector material</b>	Steel
<b>Optic material</b>	Polycarbonate
<b>Optical cover/lens material</b>	Polycarbonate
<b>Fixation material</b>	Steel
<b>Housing Colour</b>	White
<b>Optical cover/lens finish</b>	Textured
<b>Overall length</b>	1,197 mm
<b>Overall width</b>	197 mm
<b>Overall height</b>	36 mm
<b>Dimensions (height x width x depth)</b>	36 x 197 x 1197 mm

### Approval and Application

<b>Ingress protection code</b>	IP20 [Finger-protected]
<b>Mech. impact protection code</b>	IK02 [0.2 J standard]
<b>Protection class IEC</b>	Safety class I

### Initial Performance (IEC Compliant)

<b>Luminous flux tolerance</b>	+/-10%
<b>Initial chromaticity</b>	(0.38, 0.38) SDCM <3
<b>Power consumption tolerance</b>	+/-10%

### Application Conditions

<b>Performance ambient temperature Tq</b>	25 °C
<b>Maximum dim level</b>	1%
<b>Suitable for random switching</b>	Yes

### Product Data

<b>Order product name</b>	SM120V LED37S/840 PSD W20L120
<b>Full product name</b>	SM120V LED37S/840 PSD W20L120
<b>Full EOC</b>	871829126824600
<b>Order code</b>	26824600
<b>Material no. (12 NC)</b>	910501989903
<b>SAP numerator – quantity per pack</b>	1
<b>EAN/UPC – Product/Case</b>	8718291268246
<b>Numerator – packs per outer box</b>	1
<b>EAN/UPC - Case</b>	8718291268246

## CoreLine surface-mounted

### Dimensional drawing

