CoreLine surface-mounted

SM136V 31S_37S_43S/840 PSU W20L120 OC

CoreLine surface-mounted, All-in, 31 W, 22 W, 1200x200 mm, 3100 lm, 3700 lm, 4300 lm, 4000 K, UGR19

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

Light source replaceable	No	**Warranty period**	5 years
Number of gear units	Unit	**Flammability mark**	For mounting on normally flammable surfaces
Driver included	Yes	**ENEC mark**	ENEC mark
Lighting Technology	LED	**Glow-wire test**	Temperature 650 °C, duration 30 s
Value ladder	Performance	**EU RoHS compliant**	Yes
CE mark	Yes		

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Light Technical

Luminous Flux	3,100 3,700 4,300 lm
Saturated Red (R9)	<50
Correlated Colour Temperature	4000 K
Luminous efficacy (rated) (nom.)	140 lm/W
Colour rendering index (CRI)	≥80
Flickering value (PstLM)	1
Stroboscopic effect	0.4
Light source colour	840 neutral white
Optic type	Beam angle 84°
Luminaire light beam spread	84°
Unified Glare Rating (CEN)	19
All-in Type	All-in, Multi Lumen

Operating and Electrical

Input Voltage	220-240 V
Line Frequency	50 or 60 Hz
Inrush current	15.3 A
Inrush time	0.29 ms
Power Consumption	31 22 W
Power Factor (Fraction)	0.9
Connection	Connection unit 3-pole
Cable	Cable with connector 3-pole
Number of products on MCB of 16 A type B	35

Temperature

Ambient temperature range	–10 to +40 °C

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	Polycarbonate
Optic material	Polycarbonate
Optical cover/lens material	Polymethyl methacrylate
Fixation material	Steel
Housing Colour	White
Optical cover/lens finish	Microprismatic lens
Overall length	1,200 mm
Overall width	200 mm

Overall height	68.5 mm
Dimensions (height x width x depth)	69 x 200 x 1200 mm

Approval and Application

Ingress protection code	IP20/44 [Finger-protected; wire-protected, splash-proof]
Mech. impact protection code	IK03 [0.3 J]
Sustainability rating	–
Protection class IEC	Safety class I
Photobiological risk	Photobiological risk group 0 @200mm to EN62778

Initial Performance (IEC Compliant)

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

Over Time Performance (IEC Compliant)

Control gear failure rate at median useful life 50,000 h	5 %
Lumen maintenance at median useful life* 50,000 h	L85
Lumen maintenance at median useful life* 100,000 h	L70

Application Conditions

Performance ambient temperature Tq	25 °C
Suitable for random switching	Yes

Product Data

Order product name	SM136V 31S_37S_43S/840 PSU W20L120 OC
Full product name	SM136V 31S_37S_43S/840 PSU W20L120 OC
Full EOC	871951451232000
Order code	51232000
Material no. (12 NC)	911401881881
SAP numerator – quantity per pack	1
EAN/UPC — Product/Case	8719514512320
Numerator – packs per outer box	1
EAN/UPC – Case	8719514512320

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Dimensional drawing