



CoreLine surface-mounted

SM136V 31S_37S_43S/840 PSU W20L120 NOC

CoreLine surface-mounted, 31 W, 22 W, 1200x200 mm, 3100 lumen, 3700 lumen, 4300 lumen, 4000 K

Philips CoreLine surface-mounted light fixtures deliver on the CoreLine promise of innovative, easy-to-use, high-quality luminaires. These high-quality LEDs are designed to replace existing surface-mounted luminaires with T8 or T5 technology. This CoreLine family also features an innovative new choice of multiple lumen outputs in one single luminaire, called MultiLumen. Instant energy savings and a longer lifetime, make this is an environmentally-friendly and cost-saving surface LED light solution. With a quick-connector feature, our SM136V surface-mounted luminaires are quick and easy to install. Also available within the range are Interact Ready luminaires with integrated wireless communications, which are fully compatible with Interact gateways, sensors and software.

Warnings and Safety

- The product is IPX0 & as such is not protected against water ingress & as such 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 & product warranty will become void

Product data

General Information	
Light source replaceable	No
Number of gear units	1 unit
Driver included	Yes
Service tag	No

Lighting Technology	LED
Value ladder	Performance
Light Technical	
Luminous Flux	3,100 3,700 4,300 lumen

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Saturated Red (R9)	<50
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	140 lm/W
Color rendering index (CRI)	≥80
Flickering value (PstLM)	1
Stroboscopic effect value (SVM)	0.4
Light source color	840 neutral white
Optic type	Beam angle 100°
Luminaire light beam spread	100°
Unified glare rating CEN	25

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
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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	Polycarbonate
Optic material	Polycarbonate
Optical cover/lens material	Polymethyl methacrylate
Fixation material	Steel
Housing Color	White
Optical cover/lens finish	Diamond
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]
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Mech. impact protection code	IK03 [0.3 J]
Sustainability rating	-
Protection class IEC	Safety class I
Glow-wire test	Temperature 650 °C, duration 30 s
Flammability mark	For mounting on normally flammable surfaces
CE mark	Yes
ENEC mark	ENEC mark
Warranty period	5 years
Photobiological risk	Photobiological risk group 0 @200mm to EN62778
EU RoHS compliant	Yes

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	5 %
50000 h	
Lumen maintenance at median useful life*	L85
50000 h	
Lumen maintenance at median useful life*	L70
100000 h	

Application Conditions

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

Product Data

Full product code	871951451231300
Material Nr. (12NC)	911401881781
Order code	911401881781
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	1
Order product name	SM136V 31S_37S_43S/840 PSU W20L120 NOC
Full product name	SM136V 31S_37S_43S/840 PSU W20L120 NOC
EAN/UPC - Case	8719514512313

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Dimensional drawing

