



CoreLine surfacemounted

SM136V 31S_37S_43S/840 PSU W20L120 NOC

CoreLine surface-mounted, All-in, 31 W, 22 W, 1200x200 mm, 3100 lm, 3700 lm, 4300 lm, 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 IPXO & 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		Lighting Technology	LED
Light source replaceable	No	Value ladder	Performance
Number of gear units	1 unit	CE mark	Yes
Driver included	Yes	Warranty period	5 years
Service tag	No		

CoreLine surface-mounted

Flammability mark	For mounting on normally flammable	
	surfaces	
ENEC mark	ENEC mark	
Glow-wire test	Temperature 650 °C, duration 30 s	
EU RoHS compliant	Yes	
Light Technical		
Luminous Flux	3,100 3,700 4,300 lm	
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) - Flickering value as	1	
per EN 61000-3-3		
Stroboscopic effect visibility measure (SVM)	0.4	
Light source color	840 neutral white	
Optic type	Beam angle 100°	
Luminaire light beam spread	100°	
Unified glare rating CEN	25	
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 material	Polymethyl methacrylate	
Fixation material	Steel	
Housing Color	White	

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

Application Conditions

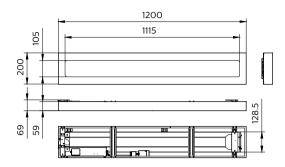
Performance ambient temperature Tq	25 °C
Suitable for random switching	Yes

Product Data

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

CoreLine surface-mounted

Dimensional drawing





© 2024 Signify Holding All rights reserved. Signify does not give any representation or warranty as to the accuracy or completeness of the information included herein and shall not be liable for any action in reliance thereon. The information presented in this document is not intended as any commercial offer and does not form part of any quotation or contract, unless otherwise agreed by Signify. Philips and the Philips Shield Emblem are registered trademarks of Koninklijke Philips N.V.

www.lighting.philips.com 2024, March 21 - data subject to change