



CoreLine surfacemounted

SM136V 31S_37S_43S/840 PSU W20L150 OC

CoreLine surface-mounted, All-in, 31 W, 22 W, 1500x200 mm, 3100 lm, 3700 lm, 4300 lm, 4000 K, UGR19

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

Lighting Technology	LED
Value ladder	Performance
CE mark	Yes
Warranty period	5 years

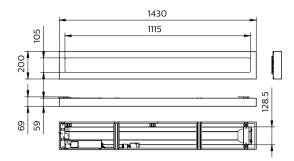
Datasheet, 2024, March 21 data subject to change

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Flammability mark	For mounting on normally flammable	Optical cover finish	Microprismatic lens
	surfaces	Overall length	1,430 mm
ENEC mark	ENEC mark	Overall width	200 mm
Glow-wire test	Temperature 650 °C, duration 30 s	Overall height	68.5 mm
EU RoHS compliant	Yes	Dimensions (Height x Width x Depth)	69 x 200 x 1430 mm
Light Technical		Approval and Application	
Luminous Flux	3,100 3,700 4,300 lm	Ingress protection code	IP20/44 [Finger-protected; wire-
Saturated Red (R9)	<50		protected, splash-proof]
Correlated Color Temperature (Nom)	4000 K	Mech. impact protection code	IK03 [0.3 J]
Luminous Efficacy (rated) (Nom)	140 lm/W	Sustainability rating	-
Color rendering index (CRI)	≥80	Protection class IEC	Safety class I
Flickering value (PstLM) - Flickering value as	1	Photobiological risk	Photobiological risk group 0 @200mm
per EN 61000-3-3			to EN62778
Stroboscopic effect visibility measure (SVM)	0.4		
Light source color	840 neutral white	Initial Performance (IEC Compliant)	
Optic type	Beam angle 84°	Luminous flux tolerance	+/-10%
Luminaire light beam spread	84°	Initial chromaticity	(0.38, 0.38) SDCM ≤3
Unified glare rating CEN	19	Power consumption tolerance	+/-10%
All-in Type	All-in, Multi Lumen		
		Over Time Performance (IEC Compliant))
Operating and Electrical		Control gear failure rate at median useful life	5 %
Input Voltage	220-240 V	50000 h	
Line Frequency	50 or 60 Hz	Lumen maintenance at median useful life*	L85
Inrush current	15.3 A	50000 h	
Inrush time	0.29 ms	Lumen maintenance at median useful life*	L70
Power Consumption	31 22 W	100000 h	
Power Factor (Fraction)	0.9	Application Conditions	
Connection	Connection unit 3-pole	Application Conditions	35 °C
Cable	Cable with connector 3-pole	Performance ambient temperature Tq Suitable for random switching	25 °C
Number of products on MCB of 16 A type B	35	Suitable for random switching	Yes
T		Product Data	
Temperature	10 h- : 40 %	Order product name	SM136V 31S_37S_43S/840 PSU
Ambient temperature range	-10 to +40 °C	Order product name	W20L150 OC
Controls and Dimming		Full product name	SM136V 31S_37S_43S/840 PSU
Controls and Dimming	No	Tall product name	W20L150 OC
Dimmable	No	Full product code	871951451238200
Driver/power unit/transformer	Power supply unit (On/Off)	Order code	911401882481
Constant light output	No	Material Nr. (12NC)	911401882481
Mechanical and Housing		Numerator - Quantity Per Pack	1
Housing Material	Steel	EAN/UPC - Product/Case	8719514512382
Reflector material	Polycarbonate	Numerator - Packs per outer box	1
Optic material	Polycarbonate	EAN/UPC - Case	8719514512382
Optical cover material	Polymethyl methacrylate	-	
Fixation material	Steel		
Housing Color	White		
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Dimensional drawing





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