



CoreLine surfacemounted

SM136V 31S 37S 43S/840 PSD W20L120 NOC

- 840 neutral white - Power supply unit with DALI interface

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
Light Technical	
Luminous Flux	3,100 3,700 4,300 lumen
Saturated Red (R9)	<50
Correlated Color Temperature (Nom)	4000 K

Datasheet, 2023, May 22 data subject to change

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Luminous Efficacy (rated) (Nom)	140 lm/W
Color rendering index (CRI)	>80
Flickering value (PstLM)	1
Stroboscopic effect value (SVM)	0.4
Beam angle of light source	- degree(s)
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
Input Frequency	50 or 60 Hz
Initial CLO power consumption	- W
Average CLO power consumption	- W
Power Consumption	31 W
Inrush current	15.6 A
Inrush time	0.23 ms
Power Factor (Fraction)	0.9
Connection	Connection unit 5-pole
Cable	Cable with connector 5-pole
Number of products on MCB of 16 A type B	30
Temperature Ambient temperature range	-10 to +40 °C
Controls and Dimming	
Dimmable	Yes
Driver/power unit/transformer	Power supply unit with DALI interface
Control interface	DALI
Constant light output	
	No
Mechanical and Housing	No
	No
Housing Material	No Steel
Housing Material Reflector material	
	Steel
Reflector material	Steel Polycarbonate
Reflector material Optic material	Steel Polycarbonate Polycarbonate
Reflector material Optic material Optical cover/lens material	Steel Polycarbonate Polycarbonate Polymethyl methacrylate
Reflector material Optic material Optical cover/lens material Fixation material	Steel Polycarbonate Polycarbonate Polymethyl methacrylate Steel
Reflector material Optic material Optical cover/lens material Fixation material Housing Color	Steel Polycarbonate Polycarbonate Polymethyl methacrylate Steel White
Reflector material Optic material Optical cover/lens material Fixation material Housing Color Optical cover/lens finish	Steel Polycarbonate Polycarbonate Polymethyl methacrylate Steel White Diamond
Reflector material Optic material Optical cover/lens material Fixation material Housing Color Optical cover/lens finish Overall length	Steel Polycarbonate Polycarbonate Polymethyl methacrylate Steel White Diamond 1,200 mm
Reflector material Optic material Optical cover/lens material Fixation material Housing Color Optical cover/lens finish Overall length Overall width	Steel Polycarbonate Polycarbonate Polymethyl methacrylate Steel White Diamond 1,200 mm
Reflector material Optic material Optical cover/lens material Fixation material Housing Color Optical cover/lens finish Overall length Overall width Overall height	Steel Polycarbonate Polymethyl methacrylate Steel White Diamond 1,200 mm 200 mm 68.5 mm
Reflector material Optic material Optical cover/lens material Fixation material Housing Color Optical cover/lens finish Overall length Overall width Overall height	Steel Polycarbonate Polymethyl methacrylate Steel White Diamond 1,200 mm 200 mm 68.5 mm
Reflector material Optic material Optical cover/lens material Fixation material Housing Color Optical cover/lens finish Overall length Overall width Overall height Dimensions (Height x Width x Depth)	Steel Polycarbonate Polymethyl methacrylate Steel White Diamond 1,200 mm 200 mm 68.5 mm

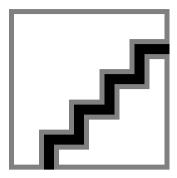
Mech. impact protection code	IK03 [0.3 J]
Sustainability rating	-
Protection class IEC	Safety class II
Glow-wire test	Temperature 650 °C, duration 30 s
Flammability mark	For mounting on normally flammable
	surfaces
CE mark	Yes
ENEC mark	ENEC mark
Warranty period	5 years
Photobiological risk	Photobiological 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 ℃
Maximum dim level	3%
Suitable for random switching	Yes
Product Data	
Full product code	871951451233700
Order product name	SM136V 31S_37S_43S/840 PSD
	W20L120 NOC
Order code	911401881981
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	1
Material number (12NC)	911401881981
Full product name	SM136V 31S_37S_43S/840 PSD
	W20L120 NOC
EAN/UPC - Case	8719514512337





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Dimensional drawing





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