



CoreLine surface-mounted

SM136V 31S_37S_43S/840 PSD W20L150 OC

CoreLine surface-mounted, 31 W, 22 W, 1500x200 mm, 3100 lm, 3700 lm, 4300 lm, 4000 K, DALI, 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		Warranty period	
Light source replaceable	No	Flammability mark	5 years
Number of gear units	Unit		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
Operating and Electrical	
Input Voltage	220–240 V
Line Frequency	50 or 60 Hz
Inrush current	15.6 A
Inrush time	0.23 ms
Power Consumption	31 22 W
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	
Housing material	Steel
Reflector material	Polycarbonate
Optic material	Polycarbonate
Optical cover/lens material	Polymethyl methacrylate
Fixation material	Steel
Housing Colour	White
Overall length	1,430 mm
Overall width	200 mm
Overall height	68.5 mm

Dimensions (height x width x depth)	69 x 200 x 1430 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 II
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
Maximum dim level	3%
Suitable for random switching	Yes
Product Data	
Full EOC	871951451240500
Order product name	SM136V 31S_37S_43S/840 PSD W20L150 OC
Order code	51240500
SAP numerator – quantity per pack	1
Numerator – packs per outer box	1
Material no. (12 NC)	911401882681
Full product name	SM136V 31S_37S_43S/840 PSD W20L150 OC
EAN/UPC - Case	8719514512405
EAN/UPC - Product/Case	8719514512405

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Dimensional drawing

