



CoreLine surface-mounted

SM136V 43S/840 WIA W20L120 OC W3

CoreLine surface-mounted, 31 W, 1200x200 mm, 4300 lm, 4000 K, Wireless, Interact Ready, UGR19, Wieland

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		Lighting Technology	
Light source replaceable	No	Lighting Technology	LED
Number of gear units	1 unit	Value ladder	Performance
Driver included	Yes	Light Technical	
Connectivity	Interact Ready	Luminous Flux	4,300 lm

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Luminous Efficacy (rated) (Nom)	140 lm/W
Saturated Red (R9)	<50
Correlated Color Temperature (Nom)	4000 K
Color rendering index (CRI)	>80
Flickering value (PstLM) - Flickering value as per EN 61000-3-3	1
Stroboscopic effect visibility measure (SVM)	0.4
Light source color	840 neutral white
Optic type	Beam angle 84°
Luminaire light beam spread	84°
Unified glare rating CEN	19
Total harmonic distortion	20 %

Operating and Electrical

Input Voltage	220-240 V
Line Frequency	50 or 60 Hz
Inrush current	4.9 A
Inrush time	0.056 ms
Power Consumption	31 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	24

Wiring

Connector Type	Wieland
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Temperature

Ambient temperature range	-10 to +40 °C
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Controls and Dimming

Dimmable	Yes
Driver/power unit/transformer	Wireless driver Interact System ready
Control interface	Wireless
Constant light output	No

Mechanical and Housing

Housing Material	Steel
Reflector material	Polycarbonate
Optic material	Polycarbonate
Optical cover material	Polymethyl methacrylate
Fixation material	-
Housing Color	White
Optical cover finish	Microprismatic lens
Overall length	1,200 mm
Overall width	200 mm
Overall height	59 mm
Dimensions (Height x Width x Depth)	59 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 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 50000 h	5 %
Lumen maintenance at median useful life* 50000 h	L85
Lumen maintenance at median useful life* 100000 h	L70

Application Conditions

Performance ambient temperature Tq	25 °C
Maximum dim level	1%
Suitable for random switching	Yes

Product Data

Order product name	SM136V 43S/840 WIA W20L120 OC W3
Full product name	SM136V 43S/840 WIA W20L120 OC W3
Full product code	871951453243400
Order code	911401867882
Material Nr. (12NC)	911401867882
Numerator - Quantity Per Pack	1
Net Weight (Piece)	3.800 kg
EAN/UPC - Product/Case	8719514532434
Numerator - Packs per outer box	1
EAN/UPC - Case	8719514532434

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Dimensional drawing

