



# CoreLine surface-mounted

## SM136V 43S/840 WIA W20L120 OC

CoreLine surface-mounted, 31 W, 1200x200 mm, 4300 lm, 4000 K, Wireless, Interact Ready, 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 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	
Light source replaceable	No
Number of gear units	1 unit
Driver included	Yes
Service tag	Yes

Lighting Technology	LED
Value ladder	Performance
Warranty period	5 years
Sustainability rating	-

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<b>Light Technical</b>	
Luminous Flux	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
Light source color	840 neutral white
Optic type	Beam angle 84°
Luminaire light beam spread	84°
Unified glare rating CEN	19

<b>Operating and Electrical</b>	
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
Suitable for random switching	Yes
Protection class IEC	Safety class II
Total harmonic distortion	20 %

<b>Controls and Dimming</b>	
Dimmable	Yes
Driver/power unit/transformer	Wireless driver Interact System ready
Control interface	Wireless
Constant light output	No
Maximum dim level	1%
Connectivity	Interact Ready

<b>Mechanical and Housing</b>	
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

Ingress protection code	IP20/44 [Finger-protected; wire-protected, splash-proof]
Mech. impact protection code	IK03 [0.3 J]
Net Weight (Piece)	3.800 kg

<b>Approval and Application</b>	
Glow-wire test	Temperature 650 °C, duration 30 s
Flammability mark	For mounting on normally flammable surfaces
CE mark	Yes
ENEC mark	ENEC mark
Photobiological risk	Photobiological risk group 0 @200mm to EN62778
EU RoHS compliant	Yes
Performance ambient temperature Tq	25 °C
Flickering value (PstLM) - Flickering value as per EN 61000-3-3	1
Stroboscopic effect visibility measure (SVM)	0.4
Ambient temperature range	-10 to +40 °C

<b>Initial Performance (IEC Compliant)</b>	
Luminous flux tolerance	+/-10%
Initial chromaticity	(0.38, 0.38) SDCM ≤3
Power consumption tolerance	+/-10%

<b>Over Time Performance (IEC Compliant)</b>	
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

<b>Product Data</b>	
Order product name	SM136V 43S/840 WIA W20L120 OC
Full product name	SM136V 43S/840 WIA W20L120 OC
Full product code	871951451507900
Order code	911401896981
Material Nr. (12NC)	911401896981
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8719514515079
Numerator - Packs per outer box	1
EAN/UPC - Case	8719514515079

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### Dimensional drawing

