



CoreLine surface-mounted

SM136V 43S/840 WIA W20L150 OC

CoreLine surface-mounted, 31 W, 1500x200 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		Lighting Technology	LED
Light source replaceable	No	Value ladder	Performance
Number of gear units	1 unit	Warranty period	5 years
Driver included	Yes		
Service tag	Yes		

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Light Technical	
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

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
Suitable for random switching	Yes
Protection class IEC	Safety class II
Total harmonic distortion	20 %

Controls and Dimming	
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

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	1,430 mm
Overall width	200 mm
Overall height	59 mm
Dimensions (Height x Width x Depth)	59 x 200 x 1430 mm
Ingress protection code	IP20/44 [Finger-protected; wire-protected, splash-proof]
Mech. impact protection code	IK03 [0.3 J]
Net Weight (Piece)	4.000 kg

Approval and Application	
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

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 (EN-IEC 62722-2-1) at median useful life* 50000 h	L85
Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 100000 h	L70

Sustainability Data	
Sustainability rating	Unclassified
Repair class	Repair Class D, this product is not designed to be repaired.
Embedded carbon (A1-A3)	39.2 kg CO ₂ e
Product non-virgin material ratio	21.8 %
Recyclable content ratio of the finished product	47.5 %
GWP total B6 (kg CO ₂ eq) Declared Unit	Please calculate using your local energy mix value: Power Declared Unit (kW) * Service life (hrs) Declared Unit * Energy mix (kg CO ₂ eq / kWh)
GWP total B6 (kg CO ₂ eq) Functional Unit	Please calculate using your local energy mix value: Power Declared Unit (kW) * 1000 (lm) /lumen output (lm) Declared Unit * 35000 (hrs) * Energy mix (kg CO ₂ eq / kWh)

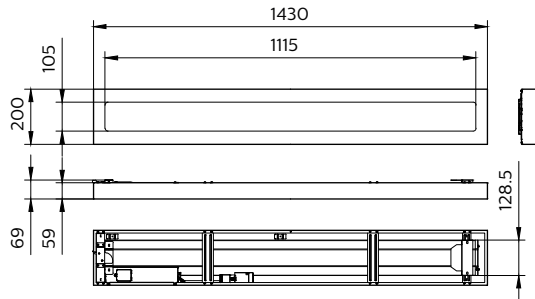
Product Data	
Order product name	SM136V 43S/840 WIA W20L150 OC
Full product name	SM136V 43S/840 WIA W20L150 OC
Full product code	871951451509300
Order code	911401897181
Material Nr. (12NC)	911401897181

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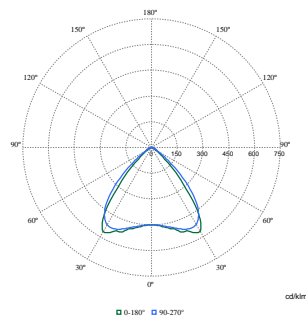
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EAN/UPC - Product/Case	8719514515093
Numerator - Packs per outer box	1

EAN/UPC - Case	8719514515093
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Dimensional drawing



Photometric data



Polar Normal (separate) - 911401897181

