CoreLine surface-mounted

SM136V 31S_37S_43S/840 PSD W20L120 OC

CoreLine surface-mounted, All-in, 31 W, 22 W, 1200x200 mm, 3100 lm, 3700 lm, 4300 lm, 4000 K, DALI, 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	CE mark	Yes
Driver included	Yes	Warranty period	5 years
Service tag	No		

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Flammability mark	For mounting on normally flammable surfaces		**Optical cover finish**	Microprismatic lens
ENEC mark	ENEC mark		**Overall length**	1,200 mm
Glow-wire test	Temperature 650 °C, duration 30 s		**Overall width**	200 mm
EU RoHS compliant	Yes		**Overall height**	68.5 mm
			Dimensions (Height x Width x Depth)	69 x 200 x 1200 mm

Light Technical

Luminous Flux	3,100 3,700 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
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
All-in Type	All-in, Multi Lumen

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 material	Polymethyl methacrylate
Fixation material	Steel
Housing Color	White

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 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	3%
Suitable for random switching	Yes

Product Data

Order product name	SM136V 31S_37S_43S/840 PSD W20L120 OC
Full product name	SM136V 31S_37S_43S/840 PSD W20L120 OC
Full product code	871951451235100
Order code	911401882181
Material Nr. (12NC)	911401882181
Numerator – Quantity Per Pack	1
EAN/UPC – Product/Case	8719514512351
Numerator – Packs per outer box	1
EAN/UPC – Case	8719514512351

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Dimensional drawing

www.lighting.philips.com

2024, March 21 – data subject to change