CoreLine surface-mounted

SM136V 31S_37S_43S/840 PSD W20L120 NOC

– 840 neutral white – Power supply unit with DALI interface

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	No
Lighting Technology	LED

Value ladder	Performance

Light Technical	
Luminous Flux	3,100 3,700 4,300 lumen
Saturated Red (R9)	<50
Correlated Color Temperature (Nom)	4000 K

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Luminous Efficacy (rated) (Nom)	140 lm/W		Mech. impact protection code	IK03 [0.3 J]
Color rendering index (CRI)	>80		Sustainability rating	–
Flickering value (PstLM)	1		Protection class IEC	Safety class II
Stroboscopic effect value (SVM)	0.4		Glow-wire test	Temperature 650 °C, duration 30 s
Beam angle of light source	– degree(s)		Flammability mark	For mounting on normally flammable surfaces
Light source color	840 neutral white			
Optic type	Beam angle 100°		CE mark	Yes
Luminaire light beam spread	100°		ENEC mark	ENEC mark
Unified glare rating CEN	25		Warranty period	5 years
			Photobiological risk	Photobiological risk group 0 @200mm to EN62778

Operating and Electrical

			EU RoHS compliant	Yes
Input Voltage	220-240 V			
Line Frequency	50 or 60 Hz		**Initial Performance (IEC Compliant)**	
Input Frequency	50 or 60 Hz		Luminous flux tolerance	+/-10%
Initial CLO power consumption	– W		Initial chromaticity	(0.38, 0.38) SDCM ≤3
Average CLO power consumption	– W		Power consumption tolerance	+/-10%
Power Consumption	31 W			
Inrush current	15.6 A		**Over Time Performance (IEC Compliant)**	
Inrush time	0.23 ms		Control gear failure rate at median useful life 50000 h	5 %
Power Factor (Fraction)	0.9			
Connection	Connection unit 5-pole		Lumen maintenance at median useful life* 50000 h	L85
Cable	Cable with connector 5-pole			
Number of products on MCB of 16 A type B	30		Lumen maintenance at median useful life* 100000 h	L70

Temperature

			Application Conditions	
Ambient temperature range	–10 to +40 °C		Performance ambient temperature Tq	25 °C
			Maximum dim level	3%
			Suitable for random switching	Yes

Controls and Dimming

			Product Data	
Dimmable	Yes		Full product code	871951451233700
Driver/power unit/transformer	Power supply unit with DALI interface		Order product name	SM136V 31S_37S_43S/840 PSD W20L120 NOC
Control interface	DALI			
Constant light output	No		Order code	911401881981
			Numerator – Quantity Per Pack	1

Mechanical and Housing

			Numerator – Packs per outer box	1
Housing Material	Steel		Material number (12NC)	911401881981
Reflector material	Polycarbonate		Full product name	SM136V 31S_37S_43S/840 PSD W20L120 NOC
Optic material	Polycarbonate			
Optical cover/lens material	Polymethyl methacrylate		EAN/UPC – Case	8719514512337
Fixation material	Steel			
Housing Color	White			
Optical cover/lens finish	Diamond			
Overall length	1,200 mm			
Overall width	200 mm			
Overall height	68.5 mm			
Dimensions (Height x Width x Depth)	69 x 200 x 1200 mm			

Approval and Application

Ingress protection code	IP20/44 [Finger-protected; wire-protected, splash-proof]

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Dimensional drawing

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