



CoreLine surfacemounted

SM136V 31S_37S_43S/840 PSD W20L120OCELB3

SM136V | CORELINE SURFACE GEN3 - 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 IPXO & 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

Product family code	SM136V [CORELINE SURFACE GEN3]
Lighting Technology	LED
Value ladder	Performance

Datasheet, 2023, May 19 data subject to change

CoreLine surface-mounted

Light Technical	
Luminous Flux	3,100 3,700 4,300 lumen
Saturated Red (R9)	<50
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	126 lm/W
Color rendering index (CRI)	>80
Flickering value (PstLM)	1
Stroboscopic effect value (SVM)	0.4
Beam angle of light source	- degree(s)
Light source color	840 neutral white
Optic type	Wide beam
Luminaire light beam spread	84°
Unified glare rating CEN	19
Operating and Electrical	
Input Voltage	220-240 V
Line Frequency	50 or 60 Hz
Input Frequency	50 or 60 Hz
Initial CLO power consumption	- W
Average CLO power consumption	- W
Power Consumption	34 W
Inrush current	15.6 A
Inrush time	0.23 ms
Power Factor (Fraction)	0.9
Connection	Connection unit 7-pole
Cable	Cable with connector 5-pole
Number of products on MCB of 16 A type B	30
Temperature	
Ambient temperature range	0 to +25 °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/lens material	Polymethyl methacrylate
Fixation material	Steel
Housing Color	White
Optical cover/lens finish	Diamond
Overall length	1,200 mm
Overall length Overall width	1,200 mm 200 mm
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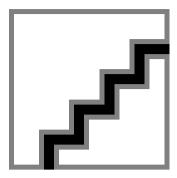
Approval and Application	
Ingress protection code	IP20/44 [Finger-protected; wire-
	protected, splash-proof]
Mech. impact protection code	IK03 [0.3 J]
Sustainability rating	-
Protection class IEC	Safety class II
Glow-wire test	Temperature 650 °C, duration 30 s
Flammability mark	For mounting on normally 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	5 %
50000 h	
Lumen maintenance at median useful life*	L85
50000 h	
Lumen maintenance at median useful life*	L70
100000 h	
Application Conditions	
Performance ambient temperature Tq	25 °C
Performance ambient temperature Tq Maximum dim level	25 °C 3%
Maximum dim level	3%
Maximum dim level	3%
Maximum dim level Suitable for random switching	3%
Maximum dim level Suitable for random switching Product Data	3% Yes
Maximum dim level Suitable for random switching Product Data Full product code	3% Yes 871869997554800
Maximum dim level Suitable for random switching Product Data Full product code	3% Yes 871869997554800 SM136V 31S_37S_43S/840 PSD
Maximum dim level Suitable for random switching Product Data Full product code Order product name	3% Yes 871869997554800 SM136V 31S_37S_43S/840 PSD W20L1200CELB3
Maximum dim level Suitable for random switching Product Data Full product code Order product name Order code	3% Yes 871869997554800 SM136V 31S_37S_43S/840 PSD W20L1200CELB3 910505101247
Maximum dim level Suitable for random switching Product Data Full product code Order product name Order code Numerator - Quantity Per Pack	3% Yes 871869997554800 SM136V 31S_37S_43S/840 PSD W20L1200CELB3 910505101247 1
Maximum dim level Suitable for random switching Product Data Full product code Order product name Order code Numerator - Quantity Per Pack Numerator - Packs per outer box	3% Yes 871869997554800 SM136V 31S_37S_43S/840 PSD W20L1200CELB3 910505101247 1 1
Maximum dim level Suitable for random switching Product Data Full product code Order product name Order code Numerator - Quantity Per Pack Numerator - Packs per outer box Material number (12NC)	3% Yes 871869997554800 SM136V 31S_37S_43S/840 PSD W20L1200CELB3 910505101247 1 1 910505101247
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CoreLine surface-mounted

Dimensional drawing





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