



CoreLine surface-mounted

SM136V 31S_37S_43S/840 PSU W20L120 OC

840 neutral white - Power supply unit

CoreLine surface-mounted delivers on the CoreLine promise of innovative, easy-to-use, high-quality luminaires. The high-quality CoreLine surface-mounted is designed to replace existing surface-mounted luminaires with T8 or T5 technology. This family 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 solution. With a quick-connector feature, our surface-mounted luminaires are simple and easy to install. Also available within the range are Interact Ready luminaires with integrated wireless communications, 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			
Beam angle of light source	- °	Driver included	Yes
Light source color	840 neutral white	Optic type	Beam angle 84°
Light source replaceable	No	Luminaire light beam spread	84°
Number of gear units	1 unit	Control interface	-
Driver/power unit/transformer	Power supply unit	Connection	Connection unit 3-pole
		Cable	Cable with connector 3-pole

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Protection class IEC	Safety class I
Glow-wire test	Temperature 650 °C, duration 30 s
Flammability mark	For mounting on normally flammable surfaces
CE mark	CE mark
ENEC mark	ENEC mark
Warranty period	5 years
Constant light output	No
Number of products on MCB of 16 A type B	35
Photobiological risk	Photobiological risk group 0 @ 200mm to EN62471
EU RoHS compliant	Yes
Service tag	No
Unified glare rating CEN	19

Light technical

Saturated Red (R9)	<50
Flickering	1
Stroboscopic effect	0.4

Operating and electrical

Input Voltage	220–240 V
Input Frequency	50 or 60 Hz
Initial CLO power consumption	– W
Average CLO power consumption	– W
Inrush current	15.3 A
Inrush time	0.29 ms
Power Factor (Min)	0.9

Controls and dimming

Dimmable	No
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Mechanical and housing

Housing Material	Steel
Reflector material	Polycarbonate
Optic material	Polycarbonate
Optical cover/lens material	Polymethyl methacrylate
Fixation material	Steel
Optical cover/lens finish	Diamond
Overall length	1200 mm
Overall width	200 mm
Overall height	68.5 mm
Color	White

Dimensions (Height x Width x Depth)	69 x 200 x 1200 mm (2.7 x 7.9 x 47.2 in)
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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	–

Initial performance (IEC compliant)

Initial luminous flux (system flux)	4300 lm
Luminous flux tolerance	+/-10%
Initial LED luminaire efficacy	140 lm/W
Init. Corr. Color Temperature	4000 K
Init. Color Rendering Index	>80
Initial chromaticity	(0.38, 0.38) SDCM ≤3
Initial input power	31 W
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*	L80
50000 h	

Application conditions

Ambient temperature range	–10 to +40 °C
Performance ambient temperature Tq	25 °C
Maximum dim level	Not applicable
Suitable for random switching	Yes

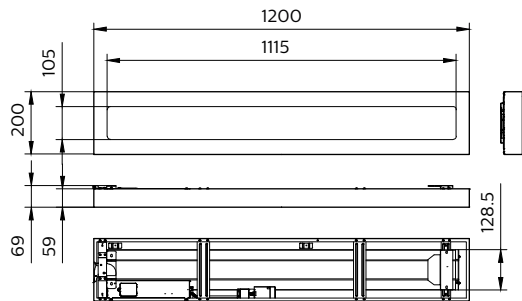
Product data

Full product code	871951451232000
Order product name	SM136V 31S_37S_43S/840 PSU W20L120 OC
EAN/UPC – Product	8719514512320
Order code	911401881881
Numerator – Quantity Per Pack	1
Numerator – Packs per outer box	1
Material Nr. (12NC)	911401881881
Copy Net Weight (Piece)	3.800 kg



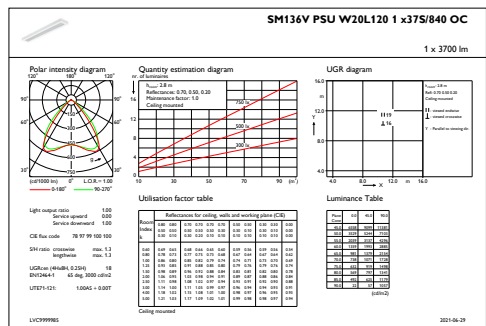
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Dimensional drawing

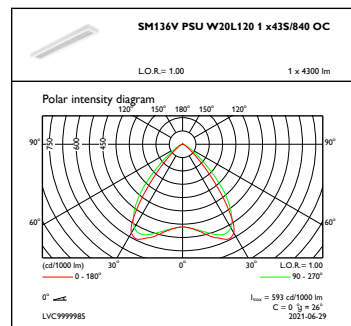


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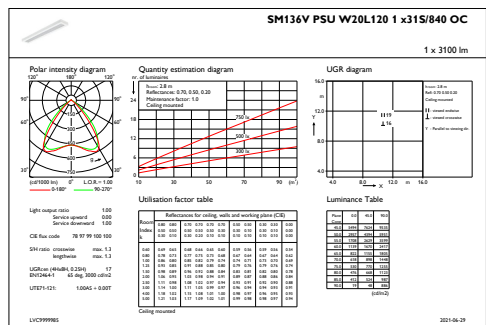
Photometric data



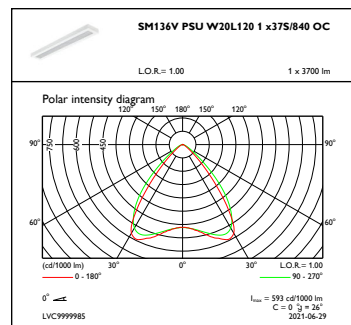
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IFGU1_SM136VPSUW20L1201x31S840OC



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Photometric data

