



CoreLine Surface-mounted

SM136V 31S_37S_43S/840 PSD W20L150 OC

840 neutral white - Power supply unit with DALI interface

Whether for a new building or renovation of an existing space, customers want lighting solutions that provide quality of light and substantial energy and maintenance savings. The new CoreLine Surface-mounted range of LED products can be used to replace functional luminaires in general lighting applications. The process of selecting, installing and maintaining is so easy – it's a simple switch. Coreline Surface Mounted also provides the option of advanced connectivity and is ready to be connected to IoT based software applications such as Interact Pro.

Warnings and Safety

- The product is IPX0 and as such is not protected against water ingress, so 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 and product warranty will become void

Product data

General information			
Beam angle of light source	- °	Optic type	Beam angle 84°
Light source colour	840 neutral white	Luminaire light beam spread	84°
Light source replaceable	No	Control interface	DALI
Number of gear units	1 unit	Connection	Connection unit 5-pole
Driver/power unit/transformer	PSD [Power supply unit with DALI interface]	Cable	Cable with connector 5-pole
Driver included	Yes	Protection class IEC	Safety class II
		Glow-wire test	Temperature 650 °C, duration 30 s

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Flammability mark	F [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 (16 A type B)	30
Photobiological risk	Photobiological risk group 0 @ 200mm to EN62471
EU RoHS compliant	Yes
Unified glare rating CEN	19

Light technical

Saturated Red	<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	15.6 A
Inrush time	0.23 ms
Power factor (min.)	0.9

Controls and dimming

Dimmable	Yes
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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
Overall length	1430 mm
Overall width	200 mm
Overall height	68.5 mm
Colour	White
Dimensions (height x width x depth)	69 x 200 x 1430 mm (2.7 x 7.9 x 56.3 in)

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. Colour Temperature	4000 K
Init. Colour 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 %
50,000 h	
Lumen maintenance at median useful life*	L80
50,000 h	

Application conditions

Ambient temperature range	-10 to +40 °C
Performance ambient temperature Tq	25 °C
Maximum dimming level	3%
Suitable for random switching	Yes

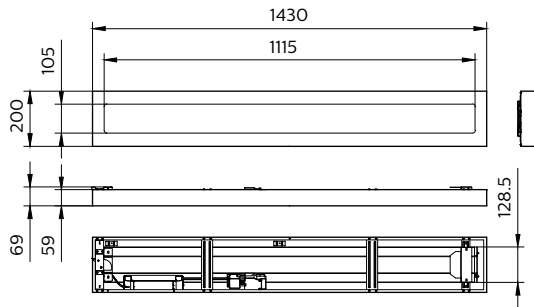
Product data

Full product code	871951451240500
Order product name	SM136V 31S_37S_43S/840 PSD W20L150 OC
EAN/UPC – product	8719514512405
Order code	51240500
SAP numerator – quantity per pack	1
Numerator – packs per outer box	1
SAP material	911401882681
Copy Net Weight (Piece)	4.100 kg



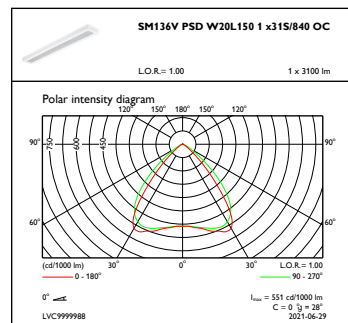
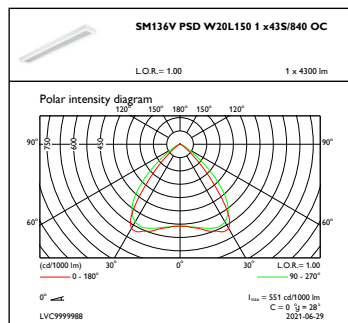
CoreLine Surface-mounted

Dimensional drawing



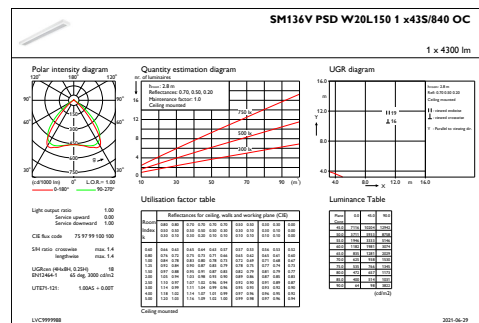
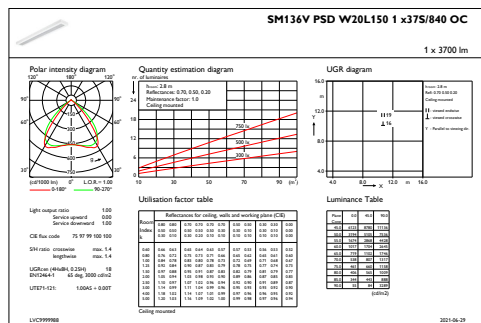
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Photometric data



OFPC1_SM136VPSDW20L1501x43S840OC

OFPC1_SM136VPSDW20L1501x31S840OC



IFGU1_SM136VPSDW20L1501x37S840OC

IFGU1_SM136VPSDW20L1501x43S840OC

Photometric data

