



CoreLine surface-mounted

SM136V 31S_37S_43S/840 PSD W20L150 OC

CoreLine surface-mounted, All-in, 31 W, 22 W, 1500x200 mm, 3100 lm, 3700 lm, 4300 lm, 4000 K, DALI, UGR19

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.

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	Yes
Lighting Technology	LED
Value ladder	Performance
Warranty period	5 years

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
Light source color	840 neutral white
Optic type	Beam angle 84°
Luminaire light beam spread	84°
Unified glare rating CEN	19

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All-in Type	All-in, Multi Lumen
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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
Suitable for random switching	Yes
Protection class IEC	Safety class II
Total harmonic distortion	20 %

Controls and Dimming

Dimmable	Yes
Driver/power unit/transformer	Power supply unit with DALI interface
Control interface	DALI
Constant light output	No
DALI Standard	DALI-2™
Maximum dim level	3%

Mechanical and Housing

Housing Material	Steel
Reflector material	Polycarbonate
Optic material	Polycarbonate
Optical cover material	Polymethyl methacrylate
Fixation material	Steel
Housing Color	White
Optical cover finish	Microprismatic lens
Overall length	1,430 mm
Overall width	200 mm
Overall height	68.5 mm
Dimensions (Height x Width x Depth)	69 x 200 x 1430 mm
Ingress protection code	IP20/44 [Finger-protected; wire-protected, splash-proof]
Mech. impact protection code	IK03 [0.3 J]
Net Weight (Piece)	4.100 kg

Approval and Application

Glow-wire test	Temperature 650 °C, duration 30 s
Flammability mark	For mounting on normally flammable surfaces
CE mark	Yes
ENEC mark	ENEC mark
Photobiological risk	Photobiological risk group 0 @200mm to EN62778
EU RoHS compliant	Yes
Performance ambient temperature Tq	25 °C

Flickering value (PstLM) - Flickering value as per EN 61000-3-3	1
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Stroboscopic effect visibility measure (SVM)	0.4
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Ambient temperature range	-10 to +40 °C
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Initial Performance (IEC Compliant)

Luminous flux tolerance	+/-10%
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Initial chromaticity	(0.38, 0.38) SDCM ≤3
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Power consumption tolerance	+/-10%
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Over Time Performance (IEC Compliant)

Control gear failure rate at median useful life 50000 h	5 %
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Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 50000 h	L85
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Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 100000 h	L70
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Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 100000 h	L70
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Sustainability Data

Sustainability rating	Unclassified
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Repair class	Repair Class D, this product is not designed to be repaired.
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Embedded carbon (A1-A3)	36.4 kg CO ₂ e
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Product non-virgin material ratio	22.5 %
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Recyclable content ratio of the finished product	49.3 %
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GWP total B6 (kg CO ₂ eq) Declared Unit	Please calculate using your local energy mix value: Power Declared Unit (kW) * Service life (hrs) Declared Unit * Energy mix (kg CO ₂ eq / kWh)
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GWP total B6 (kg CO ₂ eq) Functional Unit	Please calculate using your local energy mix value: Power Declared Unit (kW) * 1000 (lm) / lumen output (lm) Declared Unit * 35000 (hrs) * Energy mix (kg CO ₂ eq / kWh)
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Product Data

Order product name	SM136V 31S_37S_43S/840 PSD W20L150 OC
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Full product name	SM136V 31S_37S_43S/840 PSD W20L150 OC
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Full product code	871951451240500
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Order code	51240500
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Material Nr. (12NC)	911401882681
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Numerator - Quantity Per Pack	1
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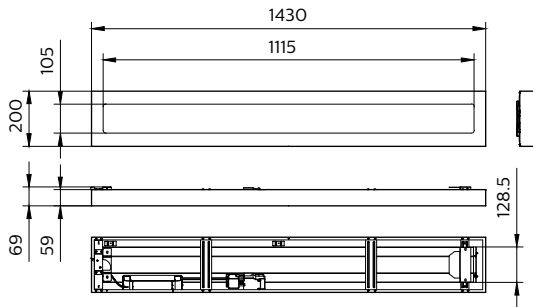
EAN/UPC - Product/Case	8719514512405
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Numerator - Packs per outer box	1
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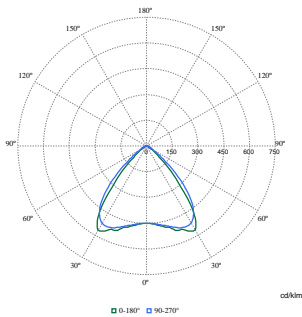
EAN/UPC - Case	8719514512405
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Dimensional drawing



Photometric data



Polar Normal (separate) - 911401882681

