



CoreLine surface-mounted

SM136V 31S_37S_43S/840 PSU W20L120 NOC

CoreLine surface-mounted, All-in, 31 W, 22 W, 1200x200 mm, 3100 lm, 3700 lm, 4300 lm, 4000 K

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 | | Lighting Technology | |
|--------------------------|--------|---------------------|-------------|
| Light source replaceable | No | Lighting Technology | LED |
| Number of gear units | 1 unit | Value ladder | Performance |
| Driver included | Yes | Warranty period | 5 years |
| Service tag | Yes | | |

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| 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) | 135 lm/W |
| Color rendering index (CRI) | >80 |
| Light source color | 840 neutral white |
| Optic type | Beam angle 100° |
| Luminaire light beam spread | 100° |
| Unified glare rating CEN | 25 |
| All-in Type | All-in, Multi Lumen |

| Operating and Electrical | |
|--|-----------------------------|
| Input Voltage | 220-240 V |
| Line Frequency | 50 or 60 Hz |
| Inrush current | 15.3 A |
| Inrush time | 0.29 ms |
| Power Consumption | 31 22 W |
| Power Factor (Fraction) | 0.9 |
| Connection | Connection unit 3-pole |
| Cable | Cable with connector 3-pole |
| Number of products on MCB of 16 A type B | 35 |
| Suitable for random switching | Yes |
| Protection class IEC | Safety class I |
| Total harmonic distortion | 20 % |

| Controls and Dimming | |
|-------------------------------|----------------------------|
| Dimmable | No |
| Driver/power unit/transformer | Power supply unit (On/Off) |
| Control interface | - |
| Constant light output | No |

| 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 | 1,200 mm |
| Overall width | 200 mm |
| Overall height | 68.5 mm |
| Dimensions (Height x Width x Depth) | 69 x 200 x 1200 mm |
| Ingress protection code | IP20/44 [Finger-protected; wire-protected, splash-proof] |
| Mech. impact protection code | IK03 [0.3 J] |
| Net Weight (Piece) | 3.800 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 |
| Stroboscopic effect visibility measure (SVM) | 0.4 |
| Ambient temperature range | -10 to +40 °C |

| 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 50000 h | 5 % |
| Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 50000 h | L85 |
| Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 100000 h | L70 |

| Sustainability Data | |
|--|--|
| Sustainability rating | Unclassified |
| Repair class | Repair Class D, this product is not designed to be repaired. |
| Embedded carbon (A1-A3) | 29 kg CO _{2e} |
| Product non-virgin material ratio | 23.5 % |
| Recyclable content ratio of the finished product | 69.8 % |

| | |
|---|---|
| GWP total B6 (kg CO_{2eq}) Declared Unit | Please calculate using your local energy mix value: Power Declared Unit (kW) * Service life (hrs) Declared Unit * Energy mix (kg CO _{2eq} / kwh) |
|---|---|

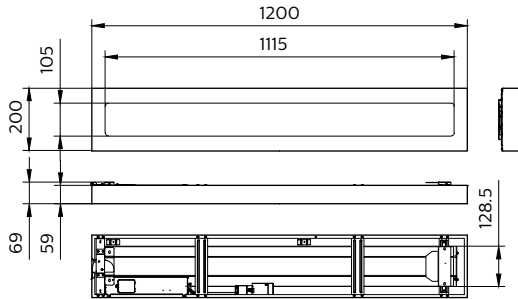
| | |
|---|--|
| GWP total B6 (kg CO_{2eq}) Functional Unit | Please calculate using your local energy mix value: Power Declared Unit (kW) * 1000 (lm) / lumen output (lm) Declared Unit * 35000 (hrs) * Energy mix (kg CO _{2eq} / kwh) |
|---|--|

| Product Data | |
|---------------------|--|
| Order product name | SM136V 31S_37S_43S/840 PSU W20L120 NOC |
| Full product name | SM136V 31S_37S_43S/840 PSU W20L120 NOC |
| Full product code | 871951451231300 |
| Order code | 911401881781 |
| Material Nr. (12NC) | 911401881781 |

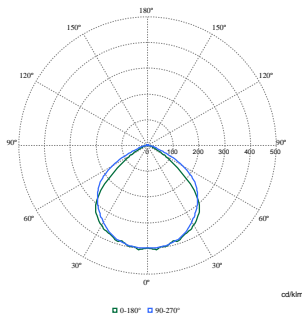
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| | | | |
|---------------------------------|---------------|----------------|---------------|
| Numerator - Quantity Per Pack | 1 | EAN/UPC - Case | 8719514512313 |
| EAN/UPC - Product/Case | 8719514512313 | | |
| Numerator - Packs per outer box | 1 | | |

Dimensional drawing



Photometric data



Polar Normal (separate) - 911401881781

