



CoreLine surface-mounted

SM134V LED37S/830 PSD W20L120 OC

CoreLine surface-mounted, 31.5 W, 1200x200 mm, 3700 lm, 3000 K, DALI, UGR19

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 | | Remarks |
|--------------------------|--------|--|
| Light source replaceable | No | *-Per Lighting Europe guidance paper "Evaluating performance of LED based luminaires - January 2018": statistically there is no relevant difference in lumen maintenance between B50 and for example |
| Number of gear units | 1 unit | |
| Driver included | Yes | |

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|---------------------|---|
| | B10. Therefore, the median useful life (B50) value also represents the B10 value. |
| Service tag | Yes |
| Product family code | SM134V [Coreline Surface] |
| Lighting Technology | LED |
| Value ladder | Performance |
| CE mark | Yes |
| Warranty period | 5 years |
| Flammability mark | For mounting on normally flammable surfaces |
| ENEC mark | ENEC mark |
| Glow-wire test | Temperature 850 °C, duration 30 s |
| EU RoHS compliant | Yes |

Light Technical

| | |
|------------------------------------|----------------|
| Luminous Flux | 3,700 lm |
| Correlated Color Temperature (Nom) | 3000 K |
| Luminous Efficacy (rated) (Nom) | 117 lm/W |
| Color rendering index (CRI) | ≥80 |
| Light source color | 830 warm white |
| Optic type | Wide beam |
| Luminaire light beam spread | 81° |
| Unified glare rating CEN | 19 |

Operating and Electrical

| | |
|--|-----------------------------------|
| Input Voltage | 220–240 V |
| Line Frequency | 50 to 60 Hz |
| Inrush current | 22 A |
| Inrush time | 0.275 ms |
| Power Consumption | 31.5 W |
| Power Factor (Fraction) | 0.9 |
| Connection | Push-in connector and pull relief |
| Cable | – |
| Number of products on MCB of 16 A type B | 24 |

Temperature

| | |
|---------------------------|---------------|
| Ambient temperature range | +10 to +40 °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 material | Polycarbonate |
| Fixation material | Steel |
| Housing Color | White |
| Optical cover finish | Textured |
| Overall length | 1,170 mm |
| Overall width | 197 mm |
| Overall height | 47 mm |
| Dimensions (Height x Width x Depth) | 47 x 197 x 1170 mm |

Approval and Application

| | |
|------------------------------|-------------------------|
| Ingress protection code | IP20 [Finger-protected] |
| Mech. impact protection code | IK02 [0.2 J standard] |
| Sustainability rating | – |
| Protection class IEC | Safety class I |

Initial Performance (IEC Compliant)

| | |
|-----------------------------|----------------------|
| Luminous flux tolerance | +/-8% |
| Initial chromaticity | (0.43, 0.40) SDCM <3 |
| Power consumption tolerance | +/-10% |

Over Time Performance (IEC Compliant)

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|---|-----|
| Control gear failure rate at median useful life 50000 h | 5 % |
| Lumen maintenance at median useful life* 50000 h | L75 |

Application Conditions

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|------------------------------------|-------|
| Performance ambient temperature Tq | 25 °C |
| Maximum dim level | 1% |
| Suitable for random switching | Yes |

Product Data

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|---------------------------------|----------------------------------|
| Order product name | SM134V LED37S/830 PSD W20L120 OC |
| Full product name | SM134V LED37S/830 PSD W20L120 OC |
| Full product code | 871869934867000 |
| Order code | 910925864826 |
| Material Nr. (12NC) | 910925864826 |
| Numerator - Quantity Per Pack | 1 |
| EAN/UPC - Product/Case | 8718699348670 |
| Numerator - Packs per outer box | 1 |
| EAN/UPC - Case | 8718699348670 |

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Dimensional drawing

