



# CoreLine surface-mounted

## SM136V 60S/840 PSU W20L120 OC

CoreLine surface-mounted, 44 W, 1200x200 mm, 6000 lm, 4000 K, 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      |        | Lighting Technology   |             |
|--------------------------|--------|-----------------------|-------------|
| Light source replaceable | No     | Value ladder          | Performance |
| Number of gear units     | 1 unit | Warranty period       | 5 years     |
| Driver included          | Yes    | Sustainability rating | -           |
| Service tag              | Yes    |                       |             |

## CoreLine surface-mounted

| Light Technical                    |                   |
|------------------------------------|-------------------|
| Luminous Flux                      | 6,000 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 84°    |
| Luminaire light beam spread        | 84°               |
| Unified glare rating CEN           | 19                |

| Operating and Electrical                 |                          |
|--|--------------------------|
| Input Voltage                            | 220-240 V                |
| Line Frequency                           | 50 or 60 Hz              |
| Inrush current                           | 25.6 A                   |
| Inrush time                              | 0.238 ms                 |
| Power Consumption                        | 44 W                     |
| Power Factor (Fraction)                  | 0.9                      |
| Connection                               | Push-in connector 3-pole |
| Cable                                    | -                        |
| Number of products on MCB of 16 A type B | 20                       |
| Suitable for random switching            | Yes                      |
| Protection class IEC                     | Safety class II          |
| 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              | Polycarbonate  |
| Fixation material                   | -  |
| Housing Color                       | White  |
| Optical cover finish                | Microprismatic lens                                      |
| Overall length                      | 1,200 mm   |
| Overall width                       | 200 mm   |
| Overall height                      | 69 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)           | 3.200 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 |
| Photobiological risk specification                              | 0.2 m  |
| 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 +35 °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 |

| Product Data                    |                               |
|---------------------------------|-------------------------------|
| Order product name              | SM136V 60S/840 PSU W20L120 OC |
| Full product name               | SM136V 60S/840 PSU W20L120 OC |
| Full product code               | 871951496400600               |
| Order code                      | 911401808485                  |
| Material Nr. (12NC)             | 911401808485                  |
| Numerator - Quantity Per Pack   | 1                             |
| EAN/UPC - Product/Case          | 8719514964006                 |
| Numerator - Packs per outer box | 1                             |
| EAN/UPC - Case                  | 8719514964006                 |

## CoreLine surface-mounted

