



# CoreLine surface-mounted

## SM120V LED27S/840 PSU W60L60

Coreline Surface, LED Module, system flux 2700 lm, 840 neutral white, Power supply unit (On/Off)

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      |  |                 |  |
|--------------------------|--|-----------------|--|
| Lamp family code         | LED27S [LED Module, system flux 2700 lm] | Gear            | -  |
| Cap-Base                 | - [-]                                    | Driver included | Yes  |
| Light source replaceable | No                                       | Remarks         | *-Per Lighting Europe guidance paper<br>"Evaluating performance of LED based luminaires - January 2018": statistically there |
| Number of gear units     | 1 unit                                   |                 |  |

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|                     |  |
|---------------------|--|
|                     | is no relevant difference in lumen maintenance between B50 and for example B10. Therefore, the median useful life (B50) value also represents the B10 value. |
| Product family code | SM120V [Coreline Surface]  |
| Lighting Technology | LED  |
| Value ladder        | Performance  |
| CE mark             | Yes  |
| Warranty period     | 3 years + 2 years upon registration  |
| 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                      | 2.700 lm                       |
| Correlated Color Temperature (Nom) | 4000 K                         |
| Luminous Efficacy (rated) (Nom)    | 90 lm/W                        |
| Color rendering index (CRI)        | ≥80                            |
| Number of light sources            | 2                              |
| Light source color                 | 840 neutral white              |
| Optic type                         | Wide beam                      |
| Optical cover type                 | Polycarbonate linear satinized |
| Luminaire light beam spread        | 86°                            |
| Unified glare rating CEN           | Not applicable                 |

### Operating and Electrical

|  |                                   |
|--|-----------------------------------|
| Input Voltage                            | 220 to 240 V                      |
| Line Frequency                           | 50 to 60 Hz                       |
| Inrush current                           | 5.3 A                             |
| Inrush time                              | 0.07 ms                           |
| Power Consumption                        | 27 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 | No |
|----------|----|

|                               |                            |
|-------------------------------|----------------------------|
| Driver/power unit/transformer | Power supply unit (On/Off) |
| Constant light output         | No                         |

### Mechanical and Housing

|                                     |                   |
|-------------------------------------|-------------------|
| Housing Material                    | Steel             |
| Reflector material                  | Steel             |
| Optic material                      | Polycarbonate     |
| Optical cover material              | Polycarbonate     |
| Fixation material                   | Steel             |
| Housing Color                       | White             |
| Optical cover finish                | Textured          |
| Overall length                      | 597 mm            |
| Overall width                       | 597 mm            |
| Overall height                      | 36 mm             |
| Dimensions (Height x Width x Depth) | 36 x 597 x 597 mm |

### Approval and Application

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

### Initial Performance (IEC Compliant)

|                             |                      |
|-----------------------------|----------------------|
| Luminous flux tolerance     | +/-10%               |
| Initial chromaticity        | (0.38, 0.38) SDCM <3 |
| Power consumption tolerance | +/-10%               |

### Application Conditions

|                                    |       |
|------------------------------------|-------|
| Performance ambient temperature Tq | 25 °C |
| Suitable for random switching      | Yes   |

### Product Data

|                                 |                              |
|---------------------------------|------------------------------|
| Order product name              | SM120V LED27S/840 PSU W60L60 |
| Full product name               | SM120V LED27S/840 PSU W60L60 |
| Full product code               | 871794389760500              |
| Order code                      | 910925863271                 |
| Material Nr. (12NC)             | 910925863271                 |
| Numerator - Quantity Per Pack   | 1                            |
| EAN/UPC - Product/Case          | 8717943897605                |
| Numerator - Packs per outer box | 1                            |
| EAN/UPC - Case                  | 8717943897605                |

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### Dimensional drawing

