



# CoreLine surfacemounted

## SM120V LED37S/840 PSD W60L60

Coreline Surface, LED Module, system flux 3700 lm, 840 neutral white, Power supply unit with DALI interface

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 IPXO & 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         | LED37S [LED Module, system flux 3700 lm]        |                     |
| Cap-Base                 | - [-]   |                     |
| Light source replaceable | No  |                     |
| Number of gear units     | 1 unit  | Product family code |
| Gear                     | -   | Lighting Technology |
| Driver included          | Yes   | Value ladder        |
| Remarks                  | *-Per Lighting Europe guidance paper            | CE mark             |
|                          | "Evaluating performance of LED based            | Warranty period     |
|                          | luminaires - January 2018": statistically there | Flammability mark   |

|                     | 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  |
|                     |  |

## **CoreLine surface-mounted**

| 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) | 4000 K                         |
| Luminous Efficacy (rated) (Nom)    | 104 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          | 22 A                              |
| Inrush time             | 0.275 ms                          |
| Power Consumption       | 35.3 W                            |
| Power Factor (Fraction) | 0.9                               |
| Connection              | Push-in connector and pull relief |
| Cable                   | _                                 |
|                         | 24                                |

Number of products on MCB of 16 A type 24

#### в

Temperature

Ambient temperature range

| 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                                 |

+10 to +40 °C

| 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  | t)                           |
| Luminous flux tolerance             | +/-10%                       |
| Initial chromaticity                | (0.38, 0.38) SDCM <3         |
| Power consumption tolerance         | +/-10%                       |
|                                     |                              |
| Application Conditions              |                              |
| Performance ambient temperature Tq  | 25 ℃                         |
| Maximum dim level                   | 1%                           |
| Suitable for random switching       | Yes                          |
|                                     |                              |
| Product Data                        |                              |
| Order product name                  | SM120V LED37S/840 PSD W60L60 |
| Full product name                   | SM120V LED37S/840 PSD W60L60 |
| Full product code                   | 871829126822200              |
| Order code                          | 26822200                     |
| Material Nr. (12NC)                 | 910501989703                 |
| Numerator - Quantity Per Pack       | 1                            |
| EAN/UPC - Product/Case              | 8718291268222                |
|                                     |                              |

1

8718291268222

Steel

Polycarbonate

**Reflector material** 

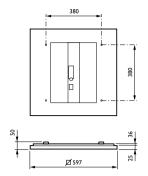
Numerator - Packs per outer box

EAN/UPC - Case

Optic material

## **CoreLine surface-mounted**

## Dimensional drawing





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