



CoreLine surfacemounted

SM120V LED34S/840 PSD W20L120 VAR-PC

Coreline Surface, LED module, system flux 3400 lm, 840 neutral white, Power supply unit with DALI interface, Variable linear-lens array in polycarbonate cover

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. Coreline Surface Mounted also provides the option of advanced connectivity and is ready to be connected to IoT based software applications such as Interact Pro.

Warnings and Safety

- The product is IPXO and as such is not protected against water ingress, so 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 and product warranty will become void

Product data

| General Information | |
|--------------------------|--|
| Lamp family code | LED34S [LED module, system flux 3400 lm] |
| Cap base | - [-] |
| Light source replaceable | No |
| Number of gear units | Unit |
| Gear | - |

| Driver included | Yes |
|-----------------|--|
| Remarks | *- According to the Lighting Europe guidance |
| | paper 'Evaluating performance of LED based |
| | luminaires – January 2018': statistically there is |
| | no relevant difference in lumen maintenance |
| | between the B50 and, for example, the B10. |

Datasheet, 2023, December 4 data subject to change

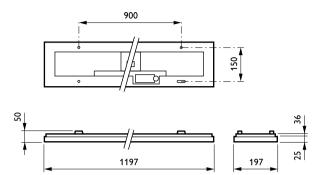
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| | Therefore, the median useful life (B50) value |
|-----------------------------------|---|
| | also represents the B10 value. |
| Product family code | SM120V [Coreline Surface] |
| Lighting Technology | LED |
| Value ladder | Performance |
| CE mark | Yes |
| Warranty period | 3 years + 2 years upon registration |
| Flammability mark | For mounting on normally flammable surface |
| ENEC mark | ENEC mark |
| Glow-wire test | Temperature 850 °C, duration 30 s |
| EU RoHS compliant | Yes |
| | |
| Light Technical | |
| Luminous Flux | 3,400 lm |
| Correlated Colour Temperature | 4000 K |
| Luminous efficacy (rated) (nom.) | 117 lm/W |
| Colour rendering index (CRI) | ≥80 |
| Light source colour | 840 neutral white |
| Optic type | Wide beam |
| Optical cover type | Variable linear-lens array in polycarbonate |
| | cover |
| Luminaire light beam spread | 75° |
| 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 | 27.9 W |
| Power Factor (Fraction) | 0.9 |
| Connection | Push-in connector and pull relief |
| Cable | - |
| Number of products on MCB of 16 A | 24 |
| type B | |
| | |
| Temperature | |
| Ambient temperature range | +10 to +40 °C |
| Controls and Dimming | |
| Controls and Dimming | Vac |
| Dimmable Driver (acceptable) | 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 | Steel |
| Optic material | Polycarbonate |
| Optical cover/lens material | Polycarbonate |
| Fixation material | Steel |
| Housing Colour | White |
| Optical cover/lens finish | Textured |
| Overall length | 1,197 mm |
| Overall width | 197 mm |
| Overall height | 36 mm |
| Dimensions (height x width x depth) | 36 x 197 x 1197 mm |
| | |
| Approval and Application | |
| Ingress protection code | IP20 [Finger-protected] |
| Mech. impact protection code | IKO2 [0.2 J standard] |
| Protection class IEC | Safety class I |
| | |
| Initial Performance (IEC Complian | t) |
| | . / 100/ |
| Luminous flux tolerance | +/-10% |
| Initial chromaticity | +/-10% (0.38, 0.38) SDCM <3 |
| | <u> </u> |
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| Initial chromaticity Power consumption tolerance | (0.38, 0.38) SDCM <3 |
| Power consumption tolerance Application Conditions | (0.38, 0.38) SDCM <3 +/-10% |
| Performance ambient temperature Tq | (0.38, 0.38) SDCM <3 +/-10% |
| Initial chromaticity Power consumption tolerance Application Conditions Performance ambient temperature Tq Maximum dim level | (0.38, 0.38) SDCM <3 +/-10% 25 °C 1% |
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| Initial chromaticity Power consumption tolerance Application Conditions Performance ambient temperature Tq Maximum dim level Suitable for random switching Product Data Order product name Full product name Full EOC Order code | (0.38, 0.38) SDCM <3 +/-10% 25 °C 1% Yes SM120V LED34S/840 PSD W20L120 VAR-PC SM120V LED34S/840 PSD W20L120 VAR-PC 871829126654900 26654900 |
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| Initial chromaticity Power consumption tolerance Application Conditions Performance ambient temperature Tq Maximum dim level Suitable for random switching Product Data Order product name Full product name Full EOC Order code Material no. (12 NC) SAP numerator – quantity per pack | (0.38, 0.38) SDCM <3 +/-10% 25 °C 1% Yes SM120V LED34S/840 PSD W20L120 VAR-PC SM120V LED34S/840 PSD W20L120 VAR-PC 871829126654900 26654900 910501996703 1 |

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Dimensional drawing





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