



CoreLine surface-mounted

SM136V 43S/840 WIA W20L150 OC

CoreLine surface-mounted, 31 W, 1500x200 mm, 4300 lm, 4000 K, Wireless, Interact Ready, UGR19

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 IPX0 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 | | | |
|--------------------------|----------------|-------------------|---|
| Light source replaceable | No | CE mark | Yes |
| Number of gear units | Unit | Warranty period | 5 years |
| Driver included | Yes | Flammability mark | For mounting on normally flammable surfaces |
| Connectivity | Interact Ready | ENEC mark | ENEC mark |
| Lighting Technology | LED | Glow-wire test | Temperature 650 °C, duration 30 s |
| Value ladder | Performance | | |

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|-------------------|-----|
| EU RoHS compliant | Yes |
|-------------------|-----|

Light Technical

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|----------------------------------|-------------------|
| Luminous Flux | 4,300 lm |
| Saturated Red (R9) | <50 |
| Correlated Colour Temperature | 4000 K |
| Luminous efficacy (rated) (nom.) | 140 lm/W |
| Colour rendering index (CRI) | ≥80 |
| Flickering value (PstLM) | 1 |
| Stroboscopic effect | 0.4 |
| Light source colour | 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 | 4.9 A |
| Inrush time | 0.056 ms |
| Power Consumption | 31 W |
| Power Factor (Fraction) | 0.9 |
| Connection | Connection unit 3-pole |
| Cable | Cable with connector 3-pole |
| Number of products on MCB of 16 A type B | 24 |

Temperature

| | |
|---------------------------|---------------|
| Ambient temperature range | -10 to +40 °C |
|---------------------------|---------------|

Controls and Dimming

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|-------------------------------|---------------------------------------|
| Dimmable | Yes |
| Driver/power unit/transformer | Wireless driver Interact System-ready |
| Control interface | Wireless |
| Constant light output | No |

Mechanical and Housing

| | |
|-----------------------------|-------------------------|
| Housing material | Steel |
| Reflector material | Polycarbonate |
| Optic material | Polycarbonate |
| Optical cover/lens material | Polymethyl methacrylate |
| Fixation material | - |
| Housing Colour | White |
| Overall length | 1,430 mm |

| | |
|-------------------------------------|--------------------|
| Overall width | 200 mm |
| Overall height | 59 mm |
| Dimensions (height x width x depth) | 59 x 200 x 1430 mm |

Approval and Application

| | |
|------------------------------|--|
| Ingress protection code | IP20/44 [Finger-protected; wire-protected, splash-proof] |
| Mech. impact protection code | IK03 [0.3 J] |
| Sustainability rating | - |
| Protection class IEC | Safety class II |
| Photobiological risk | Photobiological risk group 0 @200mm to EN62778 |

Initial Performance (IEC Compliant)

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|-----------------------------|----------------------|
| 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 | 5 % |
| 50,000 h | |
| Lumen maintenance at median useful life* | L85 |
| 50,000 h | |
| Lumen maintenance at median useful life* | L70 |
| 100,000 h | |

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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|-----------------------------------|-------------------------------|
| Full EOC | 871951451509300 |
| Order product name | SM136V 43S/840 WIA W20L150 OC |
| Order code | 51509300 |
| SAP numerator – quantity per pack | 1 |
| Numerator – packs per outer box | 1 |
| Material no. (12 NC) | 911401897181 |
| Full product name | SM136V 43S/840 WIA W20L150 OC |
| EAN/UPC - Case | 8719514515093 |
| EAN/UPC - Product/Case | 8719514515093 |

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Dimensional drawing

