# CoreLine Wall-mounted

## WL131V LED20S/840 PSED WH

CoreLine Wall-mounted, 23 W, D350 mm, 2000 lm, 4000 K, DALI, IP65, EL-DC

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 Wall-mounted range of LED products can be used to replace traditional wall-mounted luminaires incorporating compact fluorescent lamps. The process of selecting, installing and maintaining is so easy – it's a simple switch.

### Product data

| General Information | |
|---|---|
| **Lamp family code** | LED20 [LED Module 2000 lm] |
| **Light source replaceable** | No |
| **Number of gear units** | 1 unit |
| **Driver included** | Yes |
| **Remarks** | *-Per Lighting Europe guidance paper "Evaluating performance of LED based luminaires - January 2018": statistically there 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. |
| **Service tag** | Yes |
| **Lighting Technology** | LED |
| **Value ladder** | Performance |

| | |
|---|---|
| **CE mark** | Yes |
| **Warranty period** | 5 years |
| **Flammability mark** | - |
| **ENEC mark** | ENEC mark |
| **Glow-wire test** | Temperature 650 °C, duration 30 s |
| **EU RoHS compliant** | Yes |

| Light Technical | |
|---|---|
| **Luminous Flux** | 2,000 lm |
| **Correlated Color Temperature (Nom)** | 4000 K |
| **Luminous Efficacy (rated) (Nom)** | 90 lm/W |
| **Color rendering index (CRI)** | 80 |
| **Beam angle of light source** | 120 degree(s) |
| **Light source color** | 840 neutral white |
| **Optic type** | Opal prismatic reflector |

# CoreLine Wall-mounted

| | |
|---|---|
| **Optical cover type** | Opal bowl with painted cover |
| **Luminaire light beam spread** | 120° |

## Operating and Electrical

| | |
|---|---|
| **Input Voltage** | 220-240 V |
| **Line Frequency** | 50 to 60 Hz |
| **Initial CLO power consumption** | NA W |
| **Average CLO power consumption** | NA W |
| **End CLO power consumption** | NA W |
| **Inrush current** | 22 A |
| **Inrush time** | 290 ms |
| **Power Consumption** | 23 W |
| **Power Factor (Fraction)** | 0.9 |
| **Connection** | Push-in connector 6-pole |
| **Cable** | - |
| **Number of products on MCB of 16 A type B** | 20 |

## Temperature

| | |
|---|---|
| **Ambient temperature range** | -20 to +40 °C |

## 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** | Polyamide |
| **Reflector material** | - |
| **Optic material** | Polycarbonate |
| **Optical cover material** | Polycarbonate |
| **Fixation material** | - |
| **Housing Color** | White |
| **Optical cover finish** | Opal |
| **Overall length** | 350 mm |
| **Overall width** | 350 mm |
| **Overall height** | 95 mm |
| **Overall diameter** | 350 mm |
| **Dimensions (Height x Width x Depth)** | 95 x 350 x 350 mm |

## Approval and Application

| | |
|---|---|
| **Ingress protection code** | IP65 [Dust penetration-protected, jet-proof] |
| **Mech. impact protection code** | IK08 [5 J vandal-protected] |
| **Protection class IEC** | Safety class II |

## Initial Performance (IEC Compliant)

| | |
|---|---|
| **Luminous flux tolerance** | +/-10% |
| **Initial chromaticity** | (0.39, 0.39) SDCM<3 |
| **Power consumption tolerance** | +/-10% |

## Over Time Performance (IEC Compliant)

| | |
|---|---|
| **Driver failure rate at 5000 h** | 0.7 % |
| **Control gear failure rate at median useful life 50000 h** | 5 % |
| **Lumen maintenance at median useful life* 50000 h** | L70 |

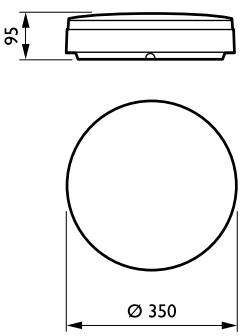
## Application Conditions

| | |
|---|---|
| **Performance ambient temperature Tq** | 25 °C |
| **Maximum dim level** | 10% |
| **Suitable for random switching** | Yes |

## Product Data

| | |
|---|---|
| **Order product name** | WL131V LED20S/840 PSED WH |
| **Full product name** | WL131V LED20S/840 PSED WH |
| **Full product code** | 871869938795299 |
| **Order code** | 912401483199 |
| **Material Nr. (12NC)** | 912401483199 |
| **Numerator - Quantity Per Pack** | 1 |
| **EAN/UPC - Product/Case** | 8718699387952 |
| **Numerator - Packs per outer box** | 6 |
| **EAN/UPC - Case** | 8718699388133 |

## Dimensional drawing






© 2023 Signify Holding All rights reserved. Signify does not give any representation or warranty as to the accuracy or completeness of the information included herein and shall not be liable for any action in reliance thereon. The information presented in this document is not intended as any commercial offer and does not form part of any quotation or contract, unless otherwise agreed by Signify. Philips and the Philips Shield Emblem are registered trademarks of Koninklijke Philips N.V.

www.lighting.philips.com
2023, August 2 - data subject to change