



# CoreLine Wallmounted

## **WL131V LED12S/830 PSED WH**

CoreLine Wall-mounted, 13 W, D350 mm, 1200 lm, 3000 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         | LED12 [LED Module 1200 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                      | 1,200 lm                          |
| Correlated Color Temperature (Nom) | 3000 K                            |
| Luminous Efficacy (rated) (Nom)    | 90 lm/W                           |
| Color rendering index (CRI)        | 80                                |
| Beam angle of light source         | 120 degree(s)                     |
| Light source color                 | 830 warm white                    |
| Optic type                         | Opal prismatic reflector          |

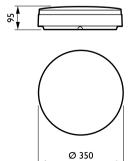
Datasheet, 2023, April 30 data subject to change

### **CoreLine Wall-mounted**

| Luminaire light beam spread  120°  Operating and Electrical Iniput Voltage  Line Frequency  Initial CLO power consumption  NA W  Average CLO power consumption  NA W  Inrush current  Inrush time  290 ms  Power Consumption  13 W  Power Factor (Fraction)  Cable  - Number of products on MCB of 16 A type B  Driver/power unit/transformer  Controls and Dimming Dimmable  Yes Driver/power unit/transformer  Control interface  Optic material  Polycarbonate  Optic material  Polycarbonate  Fixation material  Housing Color  White  Operall length  Overall length  O | Ontical cover type                       | Opal bowl with painted cover          |
|--|--|---------------------------------------|
| Operating and Electrical  Input Voltage  | Optical cover type                       |                                       |
| 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 13 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  Dyicarbonate  Fixation material -  Optical cover material Polycarbonate  Fixation material -  Optical cover finish Opal  Overall length 350 mm  Overall width 350 mm  | Lummaire ugni beam spread                | 120                                   |
| 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 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 -  Housing Color White  Optical cover finish Opal  Overall length 350 mm  Overall width 350 mm  | Operating and Electrical                 |                                       |
| 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 13 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 -  Housing Color White  Optical cover finish Opal  Overall length 350 mm  Overall width 350 mm  | Input Voltage                            | 220-240 V                             |
| Average CLO power consumption NA W  End CLO power consumption NA W  Inrush current 22 A  Inrush time 290 ms  Power Consumption 13 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 Polycarbonate  Optic material Polycarbonate  Fixation material  Housing Color White  Optical cover finish Opal  Overall length 350 mm  Overall width 350 mm   | Line Frequency                           | 50 to 60 Hz                           |
| End CLO power consumption NA W  Inrush current 22 A  Inrush time 290 ms  Power Consumption 13 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  Fixation material -  Housing Color White  Optical cover finish Opal  Overall length 350 mm  Overall width 350 mm   | Initial CLO power consumption            | NA W                                  |
| Inrush current 22 A Inrush time 290 ms Power Consumption 13 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 Polycarbonate Reflector material Polycarbonate Optical cover material Polycarbonate Fixation material Housing Color White Optical cover finish Opal Overall length 350 mm Overall width 350 mm  | Average CLO power consumption            | NA W                                  |
| Inrush time 290 ms  Power Consumption 13 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 Polycarbonate  Optical cover material Polycarbonate  Fixation material -  Housing Color White  Optical cover finish Opal  Overall length 350 mm  Overall width 350 mm  | End CLO power consumption                | NA W                                  |
| Power Consumption 13 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 Polycarbonate Optical cover material Polycarbonate Fixation material - Housing Color White Optical cover finish Opal Overall length 350 mm Overall width 350 mm   | Inrush current                           | 22 A                                  |
| Power Factor (Fraction) 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 Polycarbonate Optical cover material - Optical cover material Housing Color White Optical cover finish Oyerall length Overall width 350 mm  | Inrush time                              | 290 ms                                |
| Connection  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  Control interface  Constant light output  No  Mechanical and Housing  Housing Material  Reflector material  Optic material  Optical cover material  Housing Color  Optical cover finish  Opal  Overall length  Overall width   | Power Consumption                        | 13 W                                  |
| 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  Dytical cover material - Housing Color White Optical cover finish Opal Overall length 350 mm Overall width 350 mm  | Power Factor (Fraction)                  | 0.9                                   |
| 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   | Connection                               | Push-in connector 6-pole              |
| 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  | Cable                                    | -                                     |
| 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  Opal  Overall length  350 mm  | Number of products on MCB of 16 A type E | <b>3</b> 20                           |
| 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  Opal  Overall length  350 mm  |  |                                       |
| 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 - Housing Color White Optical cover finish Opal Overall length 350 mm  | Temperature                              |                                       |
| 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 - Housing Color White Optical cover finish Opal Overall length 350 mm   | Ambient temperature range                | -20 to +40 °C                         |
| 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 - Housing Color White Optical cover finish Opal Overall length 350 mm   |  |                                       |
| Driver/power unit/transformer  Control interface  Constant light output  No  Mechanical and Housing  Housing Material  Polyamide  Reflector material  Optic material  Optical cover material  Polycarbonate  Fixation material  -  Housing Color  White  Optical cover finish  Opal  Overall length  350 mm  | Controls and Dimming                     |                                       |
| Control interface DALI Constant light output No  Mechanical and Housing Housing Material Polyamide  Reflector material - Optic material Polycarbonate Optical cover material - Housing Color White Optical cover finish Opal Overall length 350 mm Overall width 350 mm  | Dimmable                                 | Yes                                   |
| Constant light output  Mechanical and Housing  Housing Material  Reflector material  Optic material  Optical cover material  Fixation material  Housing Color  White  Optical cover finish  Opal  Overall length  No  Polyamide  Polyamide  Polycarbonate  Polycarbonate  -  White  Opal  Opal  Overall length  350 mm   | Driver/power unit/transformer            | Power supply unit with DALI interface |
| 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  | Control interface                        | DALI                                  |
| 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   | Constant light output                    | No                                    |
| 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   |  |                                       |
| 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  | Mechanical and Housing                   |                                       |
| Optic material Polycarbonate  Optical cover material Polycarbonate  Fixation material -  Housing Color White  Optical cover finish Opal  Overall length 350 mm  Overall width 350 mm   | Housing Material                         | Polyamide                             |
| Optical cover material Polycarbonate  Fixation material - Housing Color White Optical cover finish Opal Overall length 350 mm Overall width 350 mm   | Reflector material                       | -                                     |
| Fixation material - Housing Color White Optical cover finish Opal Overall length 350 mm Overall width 350 mm   | Optic material                           | Polycarbonate                         |
| Housing Color White Optical cover finish Opal Overall length 350 mm Overall width 350 mm   | Optical cover material                   | Polycarbonate                         |
| Optical cover finish     Opal       Overall length     350 mm       Overall width     350 mm   | Fixation material                        | -                                     |
| Overall length 350 mm Overall width 350 mm   | Housing Color                            | White                                 |
| Overall width 350 mm   | Optical cover finish                     | Opal                                  |
|  | Overall length                           | 350 mm                                |
| Overall height 95 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                       | (0.44, 0.41) 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 | 5 %  |
| life 50000 h                               |  |
| Lumen maintenance at median useful life*   | L70  |
| 50000 h                                    |  |
|  |  |
| Application Conditions                     |  |
| Performance ambient temperature Tq         | 25 °C  |
| Maximum dim level                          | 10%  |
| Suitable for random switching              | Yes  |
|  |  |
| Product Data                               |  |
| Order product name                         | WL131V LED12S/830 PSED WH                    |
| Full product name                          | WL131V LED12S/830 PSED WH                    |
| Full product code                          | 871869938792199                              |
| Order code                                 | 38792199                                     |
| Material Nr. (12NC)                        | 912401483196                                 |
| Numerator - Quantity Per Pack              | 1  |
| EAN/UPC - Product/Case                     | 8718699387921                                |
| Numerator - Packs per outer box            | 6  |
| EAN/UPC - Case                             | 8718699388102                                |

### Dimensional drawing



### **CoreLine Wall-mounted**



© 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.