



# CoreLine Wall-mounted

## WL130V LED20S/840 PSU MDU WH

CoreLine Wall-mounted, 23 W, D350 mm, 2000 lm, 4000 K, Sensor-based dim, IP65

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]  | Embedded control                   | Movement detection unit           |
| Light source replaceable | No  | CE mark                            | Yes                               |
| Number of gear units     | 1 unit  | Warranty period                    | 5 years                           |
| Driver included          | Yes   | Flammability mark                  | -                                 |
| Remarks                  | *-Per Lighting Europe guidance paper<br>"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. | ENEC mark                          | ENEC mark                         |
| Service tag              | Yes   | Glow-wire test                     | Temperature 650 °C, duration 30 s |
| Lighting Technology      | LED   | EU RoHS compliant                  | Yes                               |
| Value ladder             | Performance   | Light Technical                    |                                   |
|                          |   | Luminous Flux                      | 2,000 lm                          |
|                          |   | Correlated Color Temperature (Nom) | 4000 K                            |
|                          |   | Luminous Efficacy (rated) (Nom)    | 80 lm/W                           |
|                          |   | Color rendering index (CRI)        | 80                                |
|                          |   | Beam angle of light source         | 120 degree(s)                     |
|                          |   | Light source color                 | 840 neutral white                 |

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|                             |                              |
|-----------------------------|------------------------------|
| Optic type                  | Opal prismatic reflector     |
| 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                           | 21.3 A                   |
| Inrush time                              | 1.84 ms                  |
| Power Consumption                        | 23 W                     |
| Power Factor (Fraction)                  | 0.9                      |
| Connection                               | Push-in connector 3-pole |
| Cable                                    | -                        |
| Number of products on MCB of 16 A type B | 32                       |

### Temperature

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

### Controls and Dimming

|                               |                              |
|-------------------------------|------------------------------|
| Dimmable                      | No                           |
| Driver/power unit/transformer | Power supply unit regulating |
| Control interface             | Sensor-based dim             |
| 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                      | 70 mm             |
| Overall diameter                    | 350 mm            |
| Dimensions (Height x Width x Depth) | 70 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* L70 50000 h    |       |

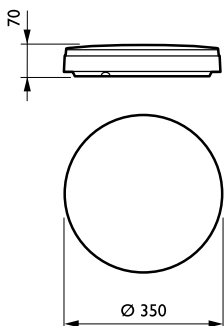
### Application Conditions

|                                    |                |
|------------------------------------|----------------|
| Performance ambient temperature Tq | 25 °C          |
| Maximum dim level                  | Not applicable |
| Suitable for random switching      | Yes            |

### Product Data

|                                 |                              |
|---------------------------------|------------------------------|
| Order product name              | WL130V LED20S/840 PSU MDU WH |
| Full product name               | WL130V LED20S/840 PSU MDU WH |
| Full product code               | 871869938783999              |
| Order code                      | 38783999                     |
| Material Nr. (12NC)             | 912401483187                 |
| Numerator - Quantity Per Pack   | 1                            |
| EAN/UPC - Product/Case          | 8718699387839                |
| Numerator - Packs per outer box | 6                            |
| EAN/UPC - Case                  | 8718699388010                |

## Dimensional drawing



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