



# CoreLine Wall-mounted

## WL121V LED5S/840 PSU MDU WH

CoreLine Wall-mounted, LED Module, system flux 500 lm, 840 neutral white, Power supply unit regulating, Movement detection unit, White

CoreLine Wall-mounted is a circular-shaped surface-mounted luminaire that is easy to apply in circulation areas such as hallways and staircases. The modern unobtrusive design, in combination with its homogeneous light distribution it delivers, ensures that this luminaire blends into most building architectures. With the push-in connectors, installation is fast and straightforward

### Product data

| General Information      |                                                                                                                                                                                                                                                                                                                |                                  |                                             |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|---------------------------------------------|
| Lamp family code         | LED5S [LED Module, system flux 500 lm]                                                                                                                                                                                                                                                                         | Embedded control                 | Movement detection unit                     |
| Light source replaceable | No                                                                                                                                                                                                                                                                                                             | CE mark                          | Yes                                         |
| Number of gear units     | Unit                                                                                                                                                                                                                                                                                                           | Warranty period                  | 3 years + 2 years upon registration         |
| Driver included          | Yes                                                                                                                                                                                                                                                                                                            | Flammability mark                | For mounting on normally flammable surfaces |
| 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. Therefore, the median useful life (B50) value also represents the B10 value. | ENEC mark                        | ENEC mark                                   |
| Product family code      | WL121V [CoreLine Wall-mounted]                                                                                                                                                                                                                                                                                 | Glow-wire test                   | Temperature 850 °C, duration 30 s           |
| Lighting Technology      | LED                                                                                                                                                                                                                                                                                                            | EU RoHS compliant                | Yes                                         |
| Value ladder             | Performance                                                                                                                                                                                                                                                                                                    | Light Technical                  |                                             |
|                          |                                                                                                                                                                                                                                                                                                                | Luminous Flux                    | 500 lm                                      |
|                          |                                                                                                                                                                                                                                                                                                                | Correlated Colour Temperature    | 4000 K                                      |
|                          |                                                                                                                                                                                                                                                                                                                | Luminous efficacy (rated) (nom.) | 63 lm/W                                     |
|                          |                                                                                                                                                                                                                                                                                                                | Colour rendering index (CRI)     | 80                                          |
|                          |                                                                                                                                                                                                                                                                                                                | Beam angle of light source       | 120 degree(s)                               |

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|                             |                   |
|-----------------------------|-------------------|
| Light source colour         | 840 neutral white |
| Optic type                  | Symmetrical       |
| Luminaire light beam spread | 180°              |

### Operating and Electrical

|                                          |                                   |
|------------------------------------------|-----------------------------------|
| Input Voltage                            | 220 to 240 V                      |
| Line Frequency                           | 50 to 60 Hz                       |
| Inrush current                           | 4 A                               |
| Inrush time                              | 0.37 ms                           |
| Power Consumption                        | 8 W                               |
| Power Factor (Fraction)                  | 0.95                              |
| Connection                               | Push-in connector and pull relief |
| Cable                                    | -                                 |
| Number of products on MCB of 16 A type B | 30                                |

### Temperature

|                           |             |
|---------------------------|-------------|
| Ambient temperature range | 0 to +25 °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            | Composite materials |
| Reflector material          | -                   |
| Optic material              | Polycarbonate       |
| Optical cover/lens material | Polycarbonate       |
| Fixation material           | Polyamide           |
| Housing Colour              | White               |
| Optical cover/lens finish   | Opal                |

|                                     |                   |
|-------------------------------------|-------------------|
| Overall length                      | 298 mm            |
| Overall width                       | 176 mm            |
| Overall height                      | 85 mm             |
| Dimensions (height x width x depth) | 85 x 176 x 298 mm |

### Approval and Application

|                              |                                              |
|------------------------------|----------------------------------------------|
| Ingress protection code      | IP65 [Dust penetration-protected, jet-proof] |
| Mech. impact protection code | IK10 [20 J vandal-resistant]                 |
| Protection class IEC         | Safety class I                               |

### Initial Performance (IEC Compliant)

|                             |                      |
|-----------------------------|----------------------|
| Luminous flux tolerance     | +/-10%               |
| Initial chromaticity        | (0.38, 0.38) SDCM <5 |
| Power consumption tolerance | +/-10%               |

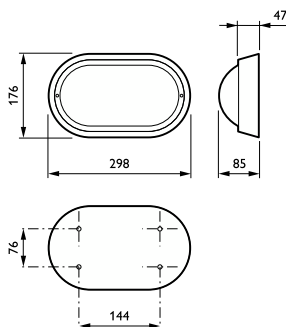
### Application Conditions

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

### Product Data

|                                   |                             |
|-----------------------------------|-----------------------------|
| Order product name                | WL121V LED5S/840 PSU MDU WH |
| Full product name                 | WL121V LED5S/840 PSU MDU WH |
| Full EOC                          | 871869624290200             |
| Order code                        | 24290200                    |
| Material no. (12 NC)              | 910500454791                |
| SAP numerator – quantity per pack | 1                           |
| EAN/UPC – Product/Case            | 8718696240939               |
| Numerator – packs per outer box   | 1                           |
| EAN/UPC – Case                    | 8718696242902               |

## Dimensional drawing



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