



# CoreLine Wall-mounted

## WL140V LED20S/840 PSU WH

CoreLine Wall-mounted, 20 W, D390 mm, 2200 lm, 4000 K, IP65

CoreLine wall-mounted solutions deliver on the CoreLine promise of innovative, easy-to-install and high quality luminaires. These circular-shaped, surface-mounted luminaires are suitable for both ceiling and wall installations and are easy to apply in circulation areas such as corridors, hallways and staircases. The modern, unobtrusive design, combined with a homogeneous light distribution, ensures this luminaire will blend into the architecture of most buildings. And thanks to the push-in connectors, installation of the CoreLine WL140V is fast and straightforward. This family includes Interact ready luminaires with integrated wireless communications, ready for use with Interact gateways, sensors and software.

### Product data

| General Information      |                                   |
|--------------------------|-----------------------------------|
| Light source replaceable | Yes                               |
| Number of gear units     | 1 unit                            |
| Driver included          | Yes                               |
| Lighting Technology      | LED                               |
| Value ladder             | Performance                       |
| CE mark                  | Yes                               |
| Warranty period          | 5 years                           |
| Flammability mark        | -                                 |
| ENEC mark                | ENEC mark                         |
| Glow-wire test           | Temperature 850 °C, duration 30 s |

| EU RoHS compliant                  | Yes               |
|------------------------------------|-------------------|
| Light Technical                    |                   |
| Luminous Flux                      | 2,200 lm          |
| Saturated Red (R9)                 | <50               |
| Correlated Color Temperature (Nom) | 4000 K            |
| Luminous Efficacy (rated) (Nom)    | 110 lm/W          |
| Color rendering index (CRI)        | >80               |
| Flickering value (PstLM)           | 1                 |
| Stroboscopic effect value (SVM)    | 1.6               |
| Beam angle of light source         | 120 degree(s)     |
| Light source color                 | 840 neutral white |

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|                             |             |
|-----------------------------|-------------|
| Optic type                  | Symmetrical |
| Luminaire light beam spread | 120° x 120° |
| Unified glare rating CEN    | 24          |

### Operating and Electrical

|  |                          |
|--|--------------------------|
| Input Voltage                            | 220–240 V                |
| Line Frequency                           | 50 or 60 Hz              |
| Initial CLO power consumption            | – W                      |
| Average CLO power consumption            | – W                      |
| Inrush current                           | 14 A                     |
| Inrush time                              | 0.007 ms                 |
| Power Consumption                        | 20 W                     |
| Power Factor (Fraction)                  | 0.9                      |
| Connection                               | Push-in connector 6-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 (On/Off) |
| Constant light output         | No                         |

### Mechanical and Housing

|                        |               |
|------------------------|---------------|
| Housing Material       | Polycarbonate |
| Reflector material     | Polycarbonate |
| Optic material         | Polycarbonate |
| Optical cover material | Polycarbonate |
| Fixation material      | –             |
| Housing Color          | White         |
| Optical cover finish   | Opal          |
| Overall height         | 85 mm         |
| Overall diameter       | 390 mm        |

### Approval and Application

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

|                                    |  |
|------------------------------------|--|
| Sustainability rating              | –  |
| Protection class IEC               | Safety class II                                |
| Photobiological risk               | Photobiological risk group 0 @200mm to EN62778 |
| Photobiological risk specification | 0.2 m  |

### Initial Performance (IEC Compliant)

|                             |                         |
|-----------------------------|-------------------------|
| Luminous flux tolerance     | +/-10%                  |
| Initial chromaticity        | (0.3818,0.3797) SDCM <3 |
| Power consumption tolerance | +/-10%                  |

### Over Time Performance (IEC Compliant)

|   |     |
|---|-----|
| Control gear failure rate at median useful life | 5 % |
| 50000 h   |     |
| Lumen maintenance at median useful life*        | –   |
| 35000 h   |     |
| Lumen maintenance at median useful life*        | 80  |
| 50000 h   |     |
| Lumen maintenance at median useful life*        | –   |
| 75000 h   |     |
| Lumen maintenance at median useful life*        | –   |
| 100000 h  |     |

### Application Conditions

|                                    |                |
|------------------------------------|----------------|
| Performance ambient temperature Tq | 25 °C          |
| Maximum dim level                  | Not applicable |
| Suitable for random switching      | No             |

### Product Data

|                                 |                          |
|---------------------------------|--------------------------|
| Order product name              | WL140V LED20S/840 PSU WH |
| Full product name               | WL140V LED20S/840 PSU WH |
| Full product code               | 871951452874199          |
| Order code                      | 911401847682             |
| Material Nr. (12NC)             | 911401847682             |
| Numerator - Quantity Per Pack   | 1                        |
| EAN/UPC - Product/Case          | 8719514528741            |
| Numerator - Packs per outer box | 6                        |
| EAN/UPC - Case                  | 8719514528901            |

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### Dimensional drawing

