

# Lumino

## 300 IP44 15W 830/840 PIR PCO

Sensor luminaire

Lumino is a low-profile, high-quality and long-lasting universal luminaire for residential buildings and public places. The appearance of the luminaire is finished and the light it gives is uniform and high-quality. Thanks to its low structure, the luminaire fits elegantly and discreetly into various spaces and interiors. The luminaire is suitable for indoor and outdoor wall and ceiling installations in stairwells and public spaces. You can also install Lumino outdoors, as it can withstand cold temperatures. Thanks to the IP44 class, you can install the luminaire in the bathroom and other damp areas. The luminaire can also be installed with a surface cable using the raising frame which is available as an accessory. The luminaire has two color temperatures. You can choose from two size options and PIR- and sensor versions from both sizes. For the 400 model, control options are also available as Dali-2 and Casambi. Lumino is designed in Kerava, Finland for Nordic contitions.

Lumino Sensor luminaire 15W 3000K 1500lm No dim; IP44; IK05; Protection cl. II; L70B50 100000h; LED not exchangeable; CRI>80; SDCM3; Suitable for through wiring; 4x2.5mm²; Housing Plastic; Colour wh; Cover Plastic, opal; Movement sensor; C16 max. 129

Stocked: Yes

| 300 IP44 15W 830/840 PIR PCO |         |     |                |
|------------------------------|---------|-----|----------------|
| PRODUCT CODE                 | CODE    | KG  | PRODUCT FAMILY |
| 4146971                      | 4146971 | 0.7 | Lumino         |



### 300 IP44 15W 830/840 PIR PCO

EC002892 Ceiling / wall luminaire

| Mounting                                                                         |                             |
|----------------------------------------------------------------------------------|-----------------------------|
| Suitable for wall mounting                                                       | Yes                         |
| Suitable for suspended mounting                                                  | No                          |
| Suitable for ceiling mounting                                                    | Yes                         |
| Suitable for recessed mounting                                                   | No                          |
| Suitable for surface mounting                                                    | Yes                         |
| Suitable for light line configuration                                            | No                          |
| Suitable for clamp-mounting                                                      | No                          |
| Fit for workplace acc. EN 12464-1                                                | No                          |
| Degree of protection (IP)                                                        | IP44                        |
| Degree of protection (IP), rear side                                             | IP44                        |
| Degree of protection (IP), front side                                            | IP44                        |
| Max. number of luminaires per miniature circuit breaker C10 (MCB)                | 127                         |
| Max. number of luminaires per miniature circuit breaker B16                      | 127                         |
| Max. number of luminaires per miniature circuit breaker C16                      | 129                         |
| Impact strength                                                                  | IK05                        |
| Luminaire with limited surface temperature, class "D" in acc. with EN 60598-2-24 | Yes                         |
| Suitable for emergency lighting                                                  | No                          |
| Emergency function monitoring system                                             | None                        |
| Luminaire may be covered with thermally insulating material                      | -                           |
| Type of wiring                                                                   | Suitable for through wiring |
| Number of poles                                                                  | 4                           |
| Conductor cross section (mm <sup>2</sup> )                                       | 2.5 mm <sup>2</sup>         |
| Connection type                                                                  | Screwless terminal          |
| Connectable conductor cross section (min) (mm <sup>2</sup> )                     | 1.5 mm <sup>2</sup>         |
| Connectable conductor cross section (max) (mm <sup>2</sup> )                     | 2.5 mm <sup>2</sup>         |
| With connection cord and plug                                                    | No                          |

| Structure                                                                    |                      |
|------------------------------------------------------------------------------|----------------------|
| With mounting material                                                       | Yes                  |
| Lamp type                                                                    | LED not exchangeable |
| Light source included                                                        | Yes                  |
| Suitable for number of lamps                                                 | 1                    |
| Lamp holder                                                                  | Other                |
| Housing material                                                             | Plastic              |
| Housing surface protection                                                   | Plastic-coated       |
| Housing colour                                                               | White                |
| Cover material                                                               | Plastic, opal        |
| Type of grid                                                                 | None                 |
| Control gear included                                                        | Yes                  |
| Exchangeable control gear                                                    | Yes                  |
| Energy efficiency class of light source according to EU regulation 2019/2015 | E                    |
| Containing product according to 2019/2020/EU                                 | Yes                  |
| Emergency power supply system                                                | None                 |
| Emergency power supply integrated                                            | No                   |
| With switch                                                                  | No                   |
| With air slots                                                               | No                   |
| Filament test according to IEC 60695-2-11                                    | 650 °C - 30 s        |

| Electrotechnical data                   |                                         |
|-----------------------------------------|-----------------------------------------|
| Voltage type                            | AC                                      |
| Nominal voltage (min) (V)               | 220 V                                   |
| Nominal voltage (max) (V)               | 240 V                                   |
| Nominal current (min) (mA)              | 290 mA                                  |
| Nominal current (max) (mA)              | 370 mA                                  |
| Type of control gear                    | LED operating device current-controlled |
| Protection class according to IEC 61140 | II                                      |
| Suitable for lamp power (min) (W)       | 12 W                                    |
| Suitable for lamp power (max) (W)       | 15 W                                    |
| Luminaire efficacy (min) (lm/W)         | 100 lm/W                                |
| Luminaire efficacy (max) (lm/W)         | 100 lm/W                                |
| Maximum system power (W)                | 15 W                                    |
| Luminaire efficacy (lm/W)               | 100 lm/W                                |
| Power factor                            | 0.9                                     |
| Total harmonic distortion (THD) (%)     | 20 %                                    |
| Total harmonic distortion               | 20 THD                                  |

| Dimming and control                          |                  |
|----------------------------------------------|------------------|
| Dimmable                                     | No               |
| Dimming 0-10 V                               | No               |
| Dimming 1-10 V                               | No               |
| Dimming DALI                                 | No               |
| Dimming DALI-2                               | No               |
| Dimming DMX                                  | No               |
| Dimming DSI                                  | No               |
| Dimming LineSwitch                           | No               |
| Dimming manufacturer's proprietary system    | No               |
| Dimming mains voltage modulation             | No               |
| Dimming trailing edge                        | No               |
| Dimming leading edge                         | No               |
| Dimming programmable                         | No               |
| Dimming potentiometer (integrated)           | No               |
| Dimming RF                                   | No               |
| Dimming Sine Wave Reduction                  | No               |
| Dimming Touch and Dim                        | No               |
| Dimming Zigbee                               | No               |
| Dimming with push-button                     | No               |
| No dimming function                          | Yes              |
| With presence indicator                      | No               |
| With movement sensor                         | Yes              |
| Movement sensor/presence detector technology | Passive infrared |
| With light sensor                            | Yes              |
| Constant luminous flux control               | No               |
| Bluetooth operated                           | No               |
| Compatible with Casambi                      | No               |
| Compatible with Apple HomeKit                | No               |
| Compatible with Google Assistant             | No               |
| Compatible with Amazon Alexa                 | No               |
| IFTTT support available                      | No               |

| Photometric data                                          |                           |
|-----------------------------------------------------------|---------------------------|
| Light distributor                                         | Diffuser lens/optic/panel |
| Light sharing                                             | Symmetric                 |
| Beam angle                                                | Open beam                 |
| Colour consistency (McAdam ellipse)                       | SDCM3                     |
| Light outlet                                              | Direct                    |
| Rated luminous flux according to IEC 62722-2-1 (min) (lm) | 1100 lm                   |
| Rated luminous flux according to IEC 62722-2-1 (max) (lm) | 1500 lm                   |
| Colour of light (alphanumeric)                            | White                     |
| Effective luminous flux (lm)                              | 1500 lm                   |
| Colour temperature (min) (K)                              | 3000 K                    |
| Colour temperature (max) (K)                              | 4000 K                    |
| Flickering value Pst LM                                   | 1                         |
| Colour rendering index (CRI/Ra)                           | 80-89                     |
| Stroboscope effect value SVM                              | 0.4                       |
| Photobiological safety according to EN 62471              | RG0                       |
| Unified Glare Rating (UGR)                                | 22                        |
| Colour temperature switchable                             | Discrete positions        |
| Lumen setting adjustable                                  | Positions                 |
| Beam angle adjustable                                     | No                        |

| Lifetime and capacity                                                           |          |
|---------------------------------------------------------------------------------|----------|
| Rated life time L70/B50 at 25 °C (h)                                            | 100000 h |
| Rated life time L80/B50 at 25 °C                                                | 80000 h  |
| Lumen maintenance at median useful life of 35,000 hrs at 25 °C ambient (tq) (%) | 90 %     |
| Lumen maintenance at median useful life of 50,000 hrs at 25 °C ambient (tq) (%) | 90 %     |
| Lumen maintenance at median useful life of 75,000 hrs at 25 °C ambient (tq) (%) | 85 %     |
| Failure rate at median useful life of 35,000 hrs at 25 °C ambient (tq) (%)      | 5 %      |
| Failure rate at median useful life of 50,000 hrs at 25 °C ambient (tq) (%)      | 10 %     |
| Failure rate at median useful life of 75,000 hrs at 25 °C ambient (tq) (%)      | 10 %     |
| Rated ambient temperature acc. IEC62722-2-1 (min) (°C)                          | -20 °C   |
| Rated ambient temperature acc. IEC62722-2-1 (max) (°C)                          | 25 °C    |

| Measurements        |        |
|---------------------|--------|
| Width (mm)          | 300 mm |
| Height/depth (mm)   | 54 mm  |
| Length (mm)         | 300 mm |
| Outer diameter (mm) | 300 mm |