ESYLUX

# CATALOGUE
# 2024 / 2025



INDOOR
AUTOMATION



INDOOR
LIGHTING



OUTDOOR
AUTOMATION



OUTDOOR
LIGHTING

## INNOVATIONS FOR INTELLIGENT AUTOMATION AND LIGHTING SOLUTIONS

**PERFORMANCE FOR SIMPLICITY**

ESYLUX GmbH & Co. KG | sales@esylux.com | www.esylux.com

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## OUTDOOR AUTOMATION


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## OUTDOOR LIGHTING


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## INFORMATION


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Modernise lighting in an energy-efficient manner with plug and play

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## ECODESIGN DIRECTIVE

With the Ecodesign Directive coming into force on 1 September 2021, we not only label products classified as light sources with the required energy efficiency indices as required by law (see label example 1).
To create maximum transparency for you, we also indicate the energy efficiency of the light source contained in surrounding products (LED, see example 2). Both details can be found in the Energy efficiency class column.

**Example light source**
ELSA-2 (LED module not removable)

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ELSA-2 DL 225 OP 110° 1800 830 DALI WH (white, similar to RAL 9003) | EO10298943 | 830 | 1700 lm | 19 W | 89 lm/W | ≤ 25 | OP | IP44 | DALI | | F A↑G | X 240, Z 25 | BS | • |

**Example surrounding product**
ELSA-2 with detector (LED module removable)

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ELSA-2 DL 225 OP 110° 1800 830 MD IR WH (white, similar to RAL 9003) | EO10299025 | 830 | 1650 lm | 17,5 W | 94 lm/W | ≤ 25 | OP | IP20 | ON/OFF | • | LED EEI F | X 240, Z 60 | BY | • |

**NEW: ESYLUX CORE PORTFOLIO WITH SHORT DELIVERY TIMES**

For all products of our core portfolio, particularly short delivery times apply. In order to provide our customers with targeted access to these, associated products are marked accordingly in the catalogue. You can find out the exact delivery times by clicking on an icon on each item in the product section of the ESYLUX website.

This catalogue contains the international product portfolio of ESYLUX. For country-specific availability, please refer to the product section of our website.

- **Extensive multi-sensor elements for intelligent light and HVAC control**
- **Visual or acoustic warning for demand-driven ventilation**

**5 YEARS MANUFACTURER WARRANTY**



Thanks to its unique multi-sensor elements, the ATMO KNX presence detector ensures not only an optimal level of brightness, but also a healthy and productive ambient climate in the room. With a total of six sensors in just one device, there is no need for several individual solutions. This shows just how easy it is to accommodate complex requirements using intelligent technology.





# ATMO
# MULTI-SENSORICALLY OPTIMISING THE ROOM CLIMATE



Comprehensive multi-sensor system for intelligent light and HVAC control

Measurement of the ambient temperature as heat reflection of surfaces in the room (furniture, floors, walls); facilitates a constant temperature level regardless of short-term changes (e.g. temporary ventilation, open door etc.)

Variant (ATMO O) with additional measurement of VOCs (volatile organic compounds) for optimal control of the air quality; alternatively to automatic control, a visual or acoustic warning can be issued if a limit value is exceeded (for manual ventilation in line with demand)

Simple adjustment of the range and field of detection due to the lens cover, which can be cut to size

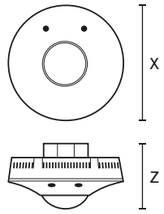
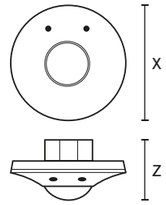
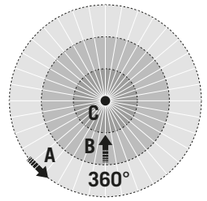


Demand-driven light switching or automatic light control at a constant brightness level depending on presence and daylight (constant light control)

Variants (ATMO A/O) with additional measurement of relative humidity for dew point calculation (e.g. to prevent mould growth in rarely used rooms)

Built-in acoustic sensor system to support PIR sensor systems in complex and angular rooms

| | Air quality (VOC) | Humidity | Temperature | Light | Passive infrared (presence) | Acoustic (presence) |
|---|---|---|---|---|---|---|
| **PD-ATMO 360i/8 O AUX 30V KNX** | ● | ● | ● | ● | ● | ● |
| **PD-ATMO 360i/8 A KNX** | | ● | ● | ● | ● | ● |
| **PD-ATMO 360i/8 T KNX** | | | ● | ● | ● | ● |

| PRODUCT TYPES | | FIELD OF DETECTION | DETECTION RANGE | |
|---|---|---|---|---|
|  |  |  | | Ceiling 8 m |
| | | | Diagonally (A) | Ø 8 m |
| | | | Frontal (B) | Ø 6 m |
| | | | Presence area (C) | Ø 4 m |

Note: Technical data for specific products can be found at www.esylux.com.

# ATMO

## INDOOR AUTOMATION / PRESENCE AND MOTION DETECTORS

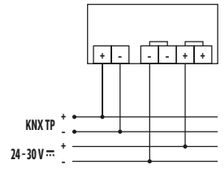
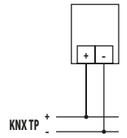


- Comprehensive multi-sensor system for intelligent light and HVAC control
- Demand-driven light switching or automatic light control at a constant brightness level depending on presence and daylight (constant light control)
- Measurement of the ambient temperature as heat reflection of surfaces in the room (furniture, floors, walls); facilitates a constant temperature level regardless of short-term changes (e.g. temporary ventilation, open door etc.)
- Variants (ATMO A/O) with additional measurement of relative humidity for dew point calculation (e.g. to prevent mould growth in rarely used rooms)
- Variant (ATMO O) with additional measurement of VOCs (volatile organic compounds) for optimal control of the air quality; alternatively to automatic control, a visual or acoustic warning can be issued if a limit value is exceeded (for manual ventilation in line with demand)
- Built-in acoustic sensor system to support PIR sensor systems in complex and angular rooms
- Simple adjustment of the range and field of detection due to the lens cover, which can be cut to size

| Product group/product name | Item no. | Detection angle | Detection range | Installation type | Number of light channels | Function | Constant lighting control | Push button input lighting | In-rush current | Adjustable switch-off delay time | Number of HVAC-channels | Push button input HVAC | Slave input | Protection type | Dimensions (mm) | Circuit diagram | Core portfolio | New product |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Presence detectors / Ceiling mounting / KNX** | | | | | | | | | | | | | | | | | | |
| **KNX** | | | | | | | | | | | | | | | | | | |
| PD-ATMO 360i/8 T KNX (white, similar to RAL 9010) | EP10427213 | 360° | Ø 8 m | FM | 2 | Switching/Regulate | • | 2 | | • | 1 | • | • | IP20 | X 108, Z 38 | O | • | |
| PD-ATMO 360i/8 A KNX (white, similar to RAL 9010) | EP10427206 | 360° | Ø 8 m | FM | 2 | Switching/Regulate | • | 2 | | • | 1 | • | • | IP20 | X 108, Z 38 | O | • | |
| PD-ATMO 360i/8 O AUX 30V KNX (white, similar to RAL 9010) | EP10427664 | 360° | Ø 8 m | FM | 2 | Switching/Regulate | • | 2 | | • | 1 | • | • | IP20 | X 108, Z 74 | AU | • | ★ |

| Product group/product name | Item no. | Product description | Dimensions (mm) | Core portfolio | New product |
|---|---|---|---|---|---|
| **Accessories** | | | | | |
| **Mounting** | | | | | |
| COMPACT MOUNTING BOX IP20 SM WH | EP10425370 | Surface-mounted box for COMPACT series, IP20, white | X 104, Z 30 | • | |
| COMPACT MOUNTING BOX IP54 SM WH | EP10425905 | Surface-mounted box for COMPACT series, IP54, white | X 104, Z 30 | • | |
| MOUNTING SET IP20 FM 62 WH | EP10425929 | Recessed ceiling mounting set includes installation bracket and dust-protected box, 62 mm | X 63, Z 62 | • | |
| **Protection** | | | | | |
| BASKET GUARD ROUND LARGE | EM10425608 | Basket guard for presence and motion detectors and smoke detectors, Ø 180 mm, height 90 mm | X 180, Z 90 | • | |
| BASKET GUARD ROUND SMALL | EM10425615 | Basket guard for presence and motion detectors and smoke detectors, Ø 165 mm, height 70 mm | X 165, Z 70 | • | |
| **Remote control** | | | | | |
| ESY-Pen | EP10425356 | ESY-Pen and ESY-App, two tools for every task: (1) Parameterisation, (2) remote control, (3) light measurement, (4) project management | X 166, Y 24, Z 21,5 | • | |
| REMOTE CONTROL PDi/USER | EM10425547 | IR remote control for end users of presence detectors | X 100, Y 50, Z 9 | • | |
| TELESCOPE MAGNET | EC10430022 | Telescope magnet | | • | |



| | | |
|---|---|---|
| AU |  | Standard operation. |
| O |  | Standard operation. |

- **Offers numerous variants for multi-channel light and HVAC control**
- **One design for all applications within a building**
- **Two-piece housing for simple installation**

**5 YEARS MANUFACTURER WARRANTY**



The COMPACT presence and motion detectors have successfully built themselves a reputation among our range of sensors as traditional favourites and true all-rounders. Their robust design and high level of performance are just as impressive as their huge versatility in terms of applications: Whether ceiling or wall detector, whether 230 V, KNX, DALI or DALI-2, whether switching, dimming or HVAC, they ensure a perfect combination of convenience and energy efficiency at all times — and offer an innovative solution with touch-sensitive lens surfaces due to the touch detectors.




Parameterisable with ESY-Pen and ESY-App. More on pages 220 – 221 and at: esylux.com/esy-pen.







# COMPACT
# INNOVATION VARIETY FOR INDIVIDUAL CONTROL

On-demand lighting switching (230 V, 12 – 36 V) or presence- and daylight-dependent constant light control (1 – 10 V, DALI, DALI-2 or KNX)

Variants for wall and ceiling flush mounting, ceiling surface mounting and recessed mounting

Covers and frame for wall detector available as an accessory



Compatible with conventional brand switch systems for a uniform design

Two-piece housing (sensor head and power box) for quick, simple installation

Numerous adjustment options via DIP, remote control or adjustment control

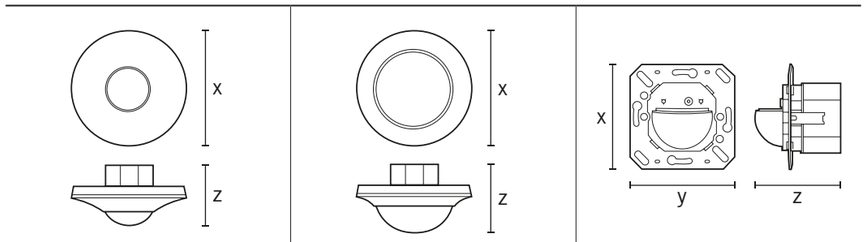
Integrated toggle: setting with remote control or adjustment control (to prevent operating errors and to provide sabotage protection)

Control of LED lights via high-performance relay with tungsten pre-contact (230 V)

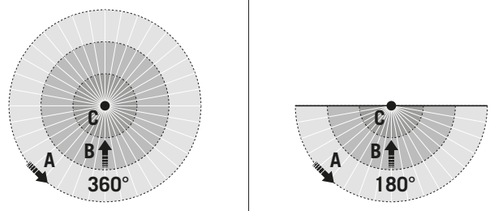
Switching delay prevents switching errors due to short-term change in brightness

Manual override with stairwell light function on detectors with push button input

## PRODUCT TYPES




## FIELD OF DETECTION




## DETECTION RANGE

| | Ceiling 8 m | Ceiling 24 m | Ceiling 32 m | Ceiling 32 m | Wall 16 m |
|---|---|---|---|---|---|
| Diagonally (A) | Ø 8 m | Ø 24 m | Ø 32 m | 32 m (elliptical) | Ø 16 m |
| Frontal (B) | Ø 6 m | Ø 11 m | Ø 11 m | Ø 20 m | Ø 12 m |
| Presence area (C) | Ø 4 m | Ø 8 m | Ø 8 m | - | Ø 8 m |

Note: Technical data for specific products can be found at www.esylux.com.

# COMPACT

## INDOOR AUTOMATION / PRESENCE AND MOTION DETECTORS



- On-demand lighting switching (230 V, 12 – 36 V) or presence- and daylight-dependent constant light control (1 – 10 V, DALI, DALI-2 or KNX)
- Variants for wall and ceiling flush mounting, ceiling surface mounting and recessed mounting
- Covers and frame for wall detector available as an accessory
- Compatible with conventional brand switch systems for a uniform design
- Two-piece housing (sensor head and power box) for quick, simple installation
- Numerous adjustment options via DIP, remote control or adjustment control
- Integrated toggle: setting with remote control or adjustment control (to prevent operating errors and to provide sabotage protection)
- Control of LED lights via high-performance relay with tungsten pre-contact (230 V)
- Switching delay prevents switching errors due to short-term change in brightness
- Manual override with stairwell light function on detectors with push button input
- Orientation light function on detectors with 1 – 10 V, DALI, DALI-2 or KNX
- Simple parameterisation, remote control and documentation of remotely controlled variants via ESY-Pen and ESY-App

* With additional DALI actuator ACTUATOR C3/C4 DALI as accessory.

| Product group/product name | Item no. | Detection angle | Detection range | Installation type | Number of light channels | Function | Constant lighting control | Push button input lighting | In-rush current | Adjustable switch-off delay time | Number of HVAC-channels | Push button input HVAC | Slave input | Protection type | Dimensions (mm) | Circuit diagram | Core portfolio | New product |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Motion detectors / Ceiling mounting / ON/OFF** | | | | | | | | | | | | | | | | | | |
| **ON/OFF** | | | | | | | | | | | | | | | | | | |
| MD-C 360i/8 (white, similar to RAL 9010) | EP10055393 | 360° | Ø 8 m | FM | 1 | Switching | | 1 | 800 A / 200 µs | • | | | | IP20 | X108, Z62 | A | • | |
| MD-C 360i/8 BK (black, similar to RAL 9005) | EP10055416 | 360° | Ø 8 m | FM | 1 | Switching | | 1 | 800 A / 200 µs | • | | | | IP20 | X108, Z62 | A | • | ★ |
| MD-C 360i/8 FM (white, similar to RAL 9010) | EP10055539 | 360° | Ø 8 m | RM | 1 | Switching | | 1 | 800 A / 200 µs | • | | | | IP20 | X108, Z98 | A | • | ★ |
| MD-C 360i/8 MIC (white, similar to RAL 9010) | EP10425875 | 360° | Ø 8 m | FM | 1 | Switching | | 1 | 800 A / 200 µs | • | | | | IP20 | X108, Z62 | A | • | |
| MD-C 360i/8 WAGO WINSTA CodeA (white, similar to RAL 9010) | EP10424809 | 360° | Ø 8 m | RM | 1 | Switching | | 1 | 800 A / 200 µs | • | | | | IP20 | X108, Z99 | A | • | |
| MD-C 360i/24 (white, similar to RAL 9010) | EP10055317 | 360° | Ø 24 m | FM | 1 | Switching | | 1 | 800 A / 200 µs | • | | | | IP20 | X108, Z70 | A | • | |
| MD-C 360i/24 BK (black, similar to RAL 9005) | EP10055546 | 360° | Ø 24 m | FM | 1 | Switching | | 1 | 800 A / 200 µs | • | | | | IP20 | X108, Z70 | A | • | ★ |
| MD-C 360i/24 FM (white, similar to RAL 9010) | EP10055560 | 360° | Ø 24 m | RM | 1 | Switching | | 1 | 800 A / 200 µs | • | | | | IP20 | X108, Z106 | A | • | ★ |
| MD-C 360i/24 WAGO WINSTA CodeA (white, similar to RAL 9010) | EP10424816 | 360° | Ø 24 m | RM | 1 | Switching | | 1 | 800 A / 200 µs | • | | | | IP20 | X108, Z107 | A | • | |
| MD-C 360i/32 Corridor (white, similar to RAL 9010) | EP10428128 | 360° | 32 m elliptical | FM | 1 | Switching | | 1 | 800 A / 200 µs | • | | | | IP20 | X108, Z70 | A | • | |
| MD-C 360i/32 (white, similar to RAL 9010) | EP10427749 | 360° | Ø 32 m | FM | 1 | Switching | | 1 | 800 A / 200 µs | • | | | | IP20 | X108, Z70 | A | • | |
| **Presence detectors / Ceiling mounting / 1 - 10 V** | | | | | | | | | | | | | | | | | | |
| **1 - 10 V** | | | | | | | | | | | | | | | | | | |
| PD-C 360i/32 Warehouse DIM plus (white, similar to RAL 9010) | EP10425783 | 360° | 32 m elliptical | FM | 1 | Switching/Regulate | • | 1 | 800 A / 200 µs | • | 1 | • | • | IP20 | X108, Z70 | H | • | |
| **Presence detectors / Ceiling mounting / 12 - 36 V UC** | | | | | | | | | | | | | | | | | | |
| **12 - 36 V UC** | | | | | | | | | | | | | | | | | | |
| PD-C 360i/8 UC (white, similar to RAL 9010) | EP10427312 | 360° | Ø 8 m | FM | 1 | Switching/Send values | • | 1 | | • | | | | IP20 | X108, Z62 | M | • | |
| PD-C 360i/24 UC (white, similar to RAL 9010) | EP10427329 | 360° | Ø 24 m | FM | 1 | Switching/Send values | • | | | • | | | | IP20 | X108, Z70 | M | • | |
| **Presence detectors / Ceiling mounting / ELC** | | | | | | | | | | | | | | | | | | |
| **ELC** | | | | | | | | | | | | | | | | | | |
| PD-C 360i/8 ELC (white, similar to RAL 9010) | EP10427602 | 360° | Ø 8 m | FM | 4 | Send values | • | | | • | 2 | | | IP20 | X108, Z62 | P | • | |
| PD-C 360i/24 ELC (white, similar to RAL 9010) | EP10427619 | 360° | Ø 24 m | FM | 4 | Send values | • | | | • | 2 | | | IP20 | X108, Z70 | P | • | |





| Product group/product name | Item no. | Detection angle | Detection range | Installation type | Number of light channels | Function | Constant lighting control | Push button input lighting | In-rush current | Adjustable switch-off delay time | Number of HVAC-channels | Push button input HVAC | Slave input | Protection type | Dimensions (mm) | Circuit diagram | Core portfolio | New product |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Presence detectors / Ceiling mounting / KNX** | | | | | | | | | | | | | | | | | | |
| **KNX** | | | | | | | | | | | | | | | | | | |
| PD-C 360i/8 KNX UP (white, similar to RAL 9010) | EP10427404 | 360° | Ø 8 m | FM | 2 | Switching/Regulate | • | 2 | | • | 1 | • | • | IP20 | X108, Z62 | O | • | |
| PD-C 360i/8 KNX UP BK (black, similar to RAL 9005) | EP10427534 | 360° | Ø 8 m | FM | 2 | Switching/Regulate | • | 2 | | • | 1 | • | • | IP20 | X108, Z62 | O | • | ★ |
| PD-C 360i/8 FM KNX UP (white, similar to RAL 9010) | EP10428821 | 360° | Ø 8 m | RM | 2 | Switching/Regulate | • | 2 | | • | 1 | • | • | IP20 | X108, Z98 | O | • | ★ |
| PD-C 360i/24 KNX ECO UP (white, similar to RAL 9010) | EP10427435 | 360° | Ø 24 m | FM | 2 | Switching | | 1 | | • | | | • | IP20 | X108, Z70 | O | • | |
| PD-C 360i/24 KNX UP (white, similar to RAL 9010) | EP10427428 | 360° | Ø 24 m | FM | 2 | Switching/Regulate | • | 2 | | • | 1 | • | • | IP20 | X108, Z70 | O | • | |
| PD-C 360i/24 KNX UP BK (black, similar to RAL 9005) | EP10427671 | 360° | Ø 24 m | FM | 2 | Switching/Regulate | • | 2 | | • | 1 | • | • | IP20 | X108, Z70 | O | • | ★ |
| PD-C 360i/24 FM KNX UP (white, similar to RAL 9010) | EP10428838 | 360° | Ø 24 m | RM | 2 | Switching/Regulate | • | 2 | | • | 1 | • | • | IP20 | X108, Z106 | O | • | ★ |
| PD-C 360i/32 KNX (white, similar to RAL 9010) | EP10427794 | 360° | Ø 32 m | FM | 2 | Switching/Regulate | • | 2 | | • | 1 | • | • | IP20 | X108, Z70 | O | • | |
| **Presence detectors / Ceiling mounting / ON/OFF** | | | | | | | | | | | | | | | | | | |
| **ON/OFF** | | | | | | | | | | | | | | | | | | |
| PD-C 360/8 Slave (white, similar to RAL 9010) | EP10055379 | 360° | Ø 8 m | FM | | Send values | | | | | | | • | IP20 | X108, Z62 | C | • | |
| PD-C 360/8 Slave BK (black, similar to RAL 9005) | EP10055553 | 360° | Ø 8 m | FM | | Send values | | | | | | | • | IP20 | X108, Z62 | C | • | ★ |
| PD-C 360/8 Slave FM (white, similar to RAL 9010) | EP10426971 | 360° | Ø 8 m | RM | | Send values | | | | | | | • | IP20 | X108, Z98 | C | • | ★ |
| PD-C 360i/8 (white, similar to RAL 9010) | EP10425059 | 360° | Ø 8 m | FM | 1 | Switching | | 1 | 800 A / 200 µs | • | | | • | IP20 | X108, Z62 | B | • | |
| PD-C 360i/8 BK (black, similar to RAL 9005) | EP10425233 | 360° | Ø 8 m | FM | 1 | Switching | | 1 | 800 A / 200 µs | • | | | • | IP20 | X108, Z62 | B | • | ★ |
| PD-C 360i/8 FM (white, similar to RAL 9010) | EP10426858 | 360° | Ø 8 m | RM | 1 | Switching | | 1 | 800 A / 200 µs | • | | | • | IP20 | X108, Z98 | B | • | ★ |
| PD-C 360i/8 plus (white, similar to RAL 9010) | EP10425042 | 360° | Ø 8 m | FM | 1 | Switching | | 1 | 800 A / 200 µs | • | 1 | | • | IP20 | X108, Z62 | D | • | |
| PD-C 360i/8 MIC (white, similar to RAL 9010) | EP10425882 | 360° | Ø 8 m | FM | 1 | Switching | | 1 | 800 A / 200 µs | • | | | • | IP20 | X108, Z62 | B | • | |
| PD-C 360i/8 WAGO WINSTA CodeA (white, similar to RAL 9010) | EP10424823 | 360° | Ø 8 m | RM | 1 | Switching | | 1 | 800 A / 200 µs | • | | | • | IP20 | X108, Z99 | B | • | |
| PD-C 360/24 Slave (white, similar to RAL 9010) | EP10055386 | 360° | Ø 24 m | FM | | Send values | | | | | | | • | IP20 | X108, Z70 | C | • | |
| PD-C 360/24 Slave FM (white, similar to RAL 9010) | EP10428777 | 360° | Ø 24 m | RM | | Send values | | | | | | | • | IP20 | X108, Z106 | C | • | ★ |
| PD-C 360i/24 DUOplus (white, similar to RAL 9010) | EP10425295 | 360° | Ø 24 m | FM | 2 | Switching | | 2 | 30 A / 20 ms | • | 1 | • | • | IP20 | X108, Z70 | DB | • | |
| PD-C 360i/24 (white, similar to RAL 9010) | EP10428067 | 360° | Ø 24 m | FM | 1 | Switching | | 1 | 800 A / 200 µs | • | | | • | IP20 | X108, Z70 | B | • | |
| PD-C 360i/24 BK (black, similar to RAL 9005) | EP10425257 | 360° | Ø 24 m | FM | 1 | Switching | | 1 | 800 A / 200 µs | • | | | • | IP20 | X108, Z70 | B | • | ★ |
| PD-C 360i/24 FM (white, similar to RAL 9010) | EP10426865 | 360° | Ø 24 m | RM | 1 | Switching | | 1 | 800 A / 200 µs | • | | | • | IP20 | X108, Z106 | B | • | ★ |
| PD-C 360i/24 DRY (white, similar to RAL 9010) | EP10425707 | 360° | Ø 24 m | FM | 1 | Switching | | 1 | 5 A | • | | | • | IP20 | X108, Z70 | E | • | |
| PD-C 360i/24 plus (white, similar to RAL 9010) | EP10425288 | 360° | Ø 24 m | FM | 1 | Switching | | 1 | 800 A / 200 µs | • | 1 | | • | IP20 | X108, Z70 | D | • | |
| PD-C 360i/24 DUOplus-FM (white, similar to RAL 9010) | EP10426803 | 360° | Ø 24 m | FM | 2 | Switching | | 2 | 800 A / 200 µs | • | 1 | • | • | IP20 | X108, Z70 | F | • | |
| PD-C 360i/24 DUOplus-SM (white, similar to RAL 9010) | EP10426810 | 360° | Ø 24 m | SM | 2 | Switching | | 2 | 800 A / 200 µs | • | 1 | • | • | IP20 | X108, Z74 | G | • | |
| PD-C 360i/24 WAGO WINSTA CodeA (white, similar to RAL 9010) | EP10424830 | 360° | Ø 24 m | RM | 1 | Switching | | 1 | 800 A / 200 µs | • | | | • | IP20 | X108, Z107 | B | • | |
| PD-C 360/32 Warehouse Slave (white, similar to RAL 9010) | EP10425790 | 360° | Ø 32 m | FM | | Send values | | | | | | | • | IP20 | X108, Z70 | C | • | |
| PD-C 360i/32 Corridor (white, similar to RAL 9010) | EP10428180 | 360° | 32 m elliptical | FM | 1 | Switching | | 1 | 800 A / 200 µs | • | | | • | IP20 | X108, Z70 | B | • | |
| PD-C 360/32 Slave (white, similar to RAL 9010) | EP10427770 | 360° | Ø 32 m | FM | | Send values | | | | | | | • | IP20 | X108, Z70 | C | • | |
| PD-C 360i/32 (white, similar to RAL 9010) | EP10427756 | 360° | Ø 32 m | FM | 1 | Switching | | 1 | 800 A / 200 µs | • | | | • | IP20 | X108, Z70 | B | • | |
| PD-C 360i/32 plus (white, similar to RAL 9010) | EP10427763 | 360° | Ø 32 m | FM | 1 | Switching | | 1 | 800 A / 200 µs | • | 1 | | • | IP20 | X108, Z70 | D | • | |
| **Presence detectors / Wall mounting / 12 - 36 V UC** | | | | | | | | | | | | | | | | | | |
| **12 - 36 V UC** | | | | | | | | | | | | | | | | | | |
| PD-C 180i/16 UC (opal matt) | EP10427305 | 180° | Ø 16 m | FM | 1 | Switching/Send values | • | 1 | | • | | | | IP20 | X70, Y70, Z55 | CU | • | |

| Product group/product name | Item no. | Detection angle | Detection range | Installation type | Number of light channels | Function | Constant lighting control | Push button input lighting | In-rush current | Adjustable switch-off delay time | Number of HVAC-channels | Push button input HVAC | Slave input | Protection type | Dimensions (mm) | Circuit diagram | Core portfolio | New product |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Presence detectors / Wall mounting / KNX** | | | | | | | | | | | | | | | | | | |
| **KNX** | | | | | | | | | | | | | | | | | | |
| PD-C 180i KNX ECO (white, similar to RAL 9010) | EP10426452 | 180° | Ø 16 m | FM | 2 | Switching | | 1 | | • | | | • | IP20 | X 70, Y 70, Z 55 | O | • | |
| PD-C 180i KNX (white, similar to RAL 9010) | EP10426445 | 180° | Ø 16 m | FM | 2 | Switching/Regulate | • | 1 | | • | 1 | | • | IP20 | X 70, Y 70, Z 53 | O | • | |
| PD-C 180i/16 Touch KNX (white, similar to RAL 9010) | EP10460104 | 180° | Ø 16 m | FM | 2 | Switching/Regulate | • | 1 | | • | 1 | • | • | IP40 | X 70, Y 70, Z 55 | O | • | |

| Product group/product name | Item no. | Detection angle | Detection range | Installation type | Number of light channels | Number of light groups | Function | Constant lighting control | SymbiLogic | Push button input lighting | Adjustable switch-off delay time | Number of HVAC-channels | DALI-2 device type | Push button input HVAC | Protection type | Dimensions (mm) | Circuit diagram | Core portfolio | New product |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Presence detectors / Ceiling mounting / DALI** | | | | | | | | | | | | | | | | | | | |
| **DALI** | | | | | | | | | | | | | | | | | | | |
| PD-C 360i/8 DUO DALI (white, similar to RAL 9010) | EP10427442 | 360° | Ø 8 m | FM | 2 | | Switching/Regulate | • | | 2 | • | 2 | | | IP20 | X 108, Z 62 | N | • | |
| PD-C 360i/8 FM DUO DALI (white, similar to RAL 9010) | EP10428784 | 360° | Ø 8 m | RM | 2 | | Switching/Regulate | • | | 2 | • | 2 | | | IP20 | X 108, Z 98 | N | • | ★ |
| PD-C 360i/8 DUO DALI WIELAND GST18 (white, similar to RAL 9010) | EP10427824 | 360° | Ø 8 m | RM | 2 | | Switching/Regulate | • | | 2 | • | 2 | | | IP20 | X 108, Z 62 | N | • | |
| PD-C 360i/8 DUO DALI WAGO WINSTA CodeB (white, similar to RAL 9010) | EP10424649 | 360° | Ø 8 m | RM | 2 | | Switching/Regulate | • | | 2 | • | | | | IP20 | X 108, Z 99 | N | • | |
| PD-C 360i/8 DUO DALI WAGO WINSTA Codel (white, similar to RAL 9010) | EP10424847 | 360° | Ø 8 m | RM | 2 | | Switching/Regulate | • | | 2 | • | | | | IP20 | X 108, Z 99 | N | • | |
| PD-C 360i/8 DUO DALI WAGO WINSTA CodeA/I (white, similar to RAL 9010) | EP10424663 | 360° | Ø 8 m | RM | 2 | | Switching/Regulate | • | | 2 | • | | | | IP20 | X 108, Z 99 | N | • | |
| PD-C 360i/24 DUO DALI (white, similar to RAL 9010) | EP10427459 | 360° | Ø 24 m | FM | 2 | | Switching/Regulate | • | | 2 | • | 2 | | | IP20 | X 108, Z 70 | N | • | |
| PD-C 360i/24 FM DUO DALI (white, similar to RAL 9010) | EP10428791 | 360° | Ø 24 m | RM | 2 | | Switching/Regulate | • | | 2 | • | 2 | | | IP20 | X 108, Z 106 | N | • | ★ |
| PD-C 360i/24 DUO DALI WIELAND GST18 (white, similar to RAL 9010) | EP10427374 | 360° | Ø 24 m | RM | 2 | | Switching/Regulate | • | | 2 | • | 2 | | | IP20 | X 108, Z 70 | N | • | |
| PD-C 360i/24 DUO DALI WAGO WINSTA CodeB (white, similar to RAL 9010) | EP10424656 | 360° | Ø 24 m | RM | 2 | | Switching/Regulate | • | | 2 | • | | | | IP20 | X 108, Z 107 | N | • | |
| PD-C 360i/24 DUO DALI WAGO WINSTA Codel (white, similar to RAL 9010) | EP10424854 | 360° | Ø 24 m | RM | 2 | | Switching/Regulate | • | | 2 | • | | | | IP20 | X 108, Z 107 | N | • | |
| PD-C 360i/24 DUO DALI WAGO WINSTA CodeA/I (white, similar to RAL 9010) | EP10424670 | 360° | Ø 24 m | RM | 2 | | Switching/Regulate | • | | 2 | • | | | | IP20 | X 108, Z 107 | N | • | |
| PD-C 360i/32 DUO DALI (white, similar to RAL 9010) | EP10427787 | 360° | Ø 32 m | FM | 2 | | Switching/Regulate | • | | 2 | • | 2 | | | IP20 | X 108, Z 70 | N | • | |
| **Presence detectors / Ceiling mounting / DALI-2** | | | | | | | | | | | | | | | | | | | |
| **DALI-2** | | | | | | | | | | | | | | | | | | | |
| PD-C 360/8 BMS DALI-2 (white, similar to RAL 9010) | EP10428203 | 360° | Ø 8 m | FM | | | Send values | | | 2 | | | 301, 302, 303, 304 | | IP20 | X 108, Z 62 | R | • | ★ |
| PD-C 360/8 BMS DALI-2 BK (black, similar to RAL 9005) | EP10428449 | 360° | Ø 8 m | FM | | | Send values | | | 2 | | | 301, 302, 303, 304 | | IP20 | X 108, Z 62 | R | • | ★ |
| PD-C 360/8 BMS FM DALI-2 (white, similar to RAL 9010) | EP10428807 | 360° | Ø 8 m | RM | | | Send values | | | 2 | | | 301, 302, 303, 304 | | IP20 | X 108, Z 98 | R | • | ★ |
| PD-C 360/8 BMS DALI-2 WINSTA Codel (white, similar to RAL 9010) | EP10428487 | 360° | Ø 8 m | RM | | | Send values | | | | | | 301, 302, 303, 304 | | IP20 | X 108, Z 106 | R | • | ★ |
| PD-C 360bt/8 APC10 PS plus DALI-2 (white, similar to RAL 9010) | EP10428142 | 360° | Ø 8 m | RM | 16 | | Regulate/Switching | • | | 4 | 1 | | 103, 208, 301, 302, 303, 304 | | IP20 | X 108, Z 106 | Q | • | |
| PD-C 360bt/8 APC10 PS plus DALI-2 BK (black, similar to RAL 9005) | EP10428456 | 360° | Ø 8 m | RM | 16 | | Regulate/Switching | • | | 4 | 1 | | 103, 208, 301, 302, 303, 304 | | IP20 | X 108, Z 106 | Q | • | ★ |
| PD-C 360bt/8 APC10 PS plus DALI-2 WINSTA Codel (white, similar to RAL 9010) | EP10428845 | 360° | Ø 8 m | RM | 16 | | Switching/Regulate | • | | | 1 | | 103, 208, 301, 302, 303, 304 | | IP20 | X 108, Z 118 | Q | • | ★ |
| PD-C 360bt/8 APC20 PS plus DALI-2 (white, similar to RAL 9010) | EP10428272 | 360° | Ø 8 m | RM | 16 | | Regulate/Switching | • | | 4 | 1 | | 103, 208, 301, 302, 303, 304 | | IP20 | X 108, Z 118 | Q | | ★ |
| PD-C 360bt/8 APC20 PS plus DALI-2 BK (black, similar to RAL 9005) | EP10428876 | 360° | Ø 8 m | RM | 16 | | Switching/Regulate | • | | 4 | 1 | | 103, 208, 301, 302, 303, 304 | | IP20 | X 108, Z 118 | Q | • | ★ |
| PD-C 360bt/8 APC20 PS plus DALI-2 WINSTA Codel (white, similar to RAL 9010) | EP10428890 | 360° | Ø 8 m | RM | 16 | | Switching/Regulate | • | | | 1 | | 103, 208, 301, 302, 303, 304 | | IP20 | X 108, Z 118 | Q | • | ★ |
| PD-C 360/24 BMS DALI-2 (white, similar to RAL 9010) | EP10428210 | 360° | Ø 24 m | FM | | | Send values | | | 2 | | | 301, 302, 303, 304 | | IP20 | X 108, Z 70 | R | • | ★ |
| PD-C 360/24 BMS DALI-2 BK (black, similar to RAL 9005) | EP10428432 | 360° | Ø 24 m | FM | | | Send values | | | 2 | | | 301, 302, 303, 304 | | IP20 | X 108, Z 70 | R | • | ★ |
| PD-C 360/24 BMS FM DALI-2 (white, similar to RAL 9010) | EP10428814 | 360° | Ø 24 m | RM | | | Send values | | | 2 | | | 301, 302, 303, 304 | | IP20 | X 108, Z 106 | R | • | ★ |



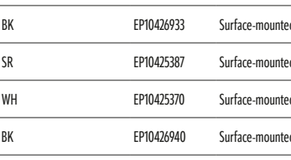


| Product group/product name | Item no. | Detection angle | Detection range | Installation type | Number of light channels | Number of light groups | Function | Constant lighting control | SymbiLogic | Push button input lighting | Adjustable switch-off delay time | Number of HVAC-channels | DALI-2 device type | Push button input HVAC | Protection type | Dimensions (mm) | Circuit diagram | Core portfolio | New product |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PD-C 360/24 BMS DALI-2 WINSTA Codel (white, similar to RAL 9010) | EP10428494 | 360° | Ø 24 m | RM | | | Send values | | | | | | 301, 302, 303, 304 | | IP20 | X 108, Z 106 | R | • | ★ |
| PD-C 360bt/24 APC10 PS plus DALI-2 (white, similar to RAL 9010) | EP10428159 | 360° | Ø 24 m | RM | | 16 | Regulate/Switching | • | | 4 | | 1 | 103, 208, 301, 302, 303, 304 | | IP20 | X 108, Z 106 | Q | • | |
| PD-C 360bt/24 APC10 PS plus DALI-2 WINSTA Codel (white, similar to RAL 9010) | EP10428852 | 360° | Ø 24 m | RM | | 16 | Switching/Regulate | • | | | | 1 | 103, 208, 301, 302, 303, 304 | | IP20 | X 108, Z 126 | Q | • | ★ |
| PD-C 360bt/24 APC20 PS plus DALI-2 (white, similar to RAL 9010) | EP10428111 | 360° | Ø 24 m | RM | | 16 | Regulate/Switching | • | | 4 | | 1 | 103, 208, 301, 302, 303, 304 | | IP20 | X 108, Z 126 | Q | | ★ |
| PD-C 360bt/24 APC20 PS plus DALI-2 BK (black, similar to RAL 9005) | EP10428883 | 360° | Ø 24 m | RM | | 16 | Switching/Regulate | • | | 4 | | 1 | 103, 208, 301, 302, 303, 304 | | IP20 | X 108, Z 126 | Q | • | ★ |
| PD-C 360bt/24 APC20 PS plus DALI-2 WINSTA Codel (white, similar to RAL 9010) | EP10428906 | 360° | Ø 24 m | RM | | 16 | Switching/Regulate | • | | | | 1 | 103, 208, 301, 302, 303, 304 | | IP20 | X 108, Z 126 | Q | • | ★ |
| PD-C 360/32 BMS DALI-2 (white, similar to RAL 9010) | EP10424885 | 360° | Ø 32 m | FM | | | Send values | | | 2 | | | 301, 302, 303, 304 | | IP20 | X 108, Z 70 | R | • | ★ |
| PD-C 360bt/32 APC10 PS plus DALI-2 (white, similar to RAL 9010) | EP10428265 | 360° | Ø 32 m | RM | | 16 | Regulate/Switching | • | | 4 | | 1 | 103, 208, 301, 302, 303, 304 | | IP20 | X 108, Z 126 | Q | • | ★ |
| PD-C 360bt/32 APC20 PS plus DALI-2 (white, similar to RAL 9010) | EP10428289 | 360° | Ø 32 m | RM | | 16 | Regulate/Switching | • | | 4 | | 1 | 103, 208, 301, 302, 303, 304 | | IP20 | X 108, Z 126 | Q | • | ★ |

| Product group/product name | Item no. | Product description | Dimensions (mm) | Core portfolio | New product |
|---|---|---|---|---|---|
| **Accessories** | | | | | |
| **Cover** | | | | | |
| COMPACT COVER SET 24/32 BK | EP00007491 | Cover set for COMPACT series, 24 m/32 m, consists of cover and design ring, black | X 108, Z 19 | • | |
| COMPACT COVER SET 24/32 SR | EP10425431 | Cover set for COMPACT series, 24 m/32 m, consists of cover and design ring, silver | X 108, Z 19 | • | |
| COMPACT COVER SET 8 BK | EP00007521 | Cover set for COMPACT series, 8 m, consists of cover and design ring, black | X 108, Z 24 | • | |
| COMPACT COVER SET 8 SR | EP10425936 | Cover set for COMPACT series, 8 m, consists of cover and design ring, stainless steel appearance, similar to RAL 9006 | X 108, Z 24 | • | |
| COVER BER S1 IP20 PWH | EP10427107 | Cover for wall detector fits with Berker S.1, IP20, polar white | X 55, Y 55, Z 27 | • | |
| COVER BUJ REF IP20 WH | EP10427145 | Cover for wall detector fits with Busch-Jäger Reflex, IP20, white | X 55, Y 55, Z 27 | • | |
| COVER ELK RS/PLUS IP20 WH | EM10055270 | Cover for wall detector fits with Elko RS/PLUS, IP20, white | X 56, Y 56, Z 27 | • | |
| COVER GIR S55 IP20 WH | EP10427169 | Cover for wall detector fits with Gira Standard 55, IP20, white | X 55, Y 55, Z 27 | • | |
| COVER IP20 AN | EM10055133 | Cover for wall detectors from the STANDARD series, IP20, anthracite, similar to RAL 7021 | X 87, Y 87, Z 29 | • | |
| COVER IP20 CWH | EM10055126 | Cover for wall detectors from the STANDARD series, IP20, white, similar to RAL 1013 | X 87, Y 87, Z 29 | • | |
| COVER IP20 SR | EM10055140 | Cover for wall detectors from the STANDARD series, IP20, silver | X 87, Y 87, Z 29 | • | |
| COVER IP20 SWH | EM10055119 | Cover for wall detectors from the STANDARD series, IP20, white, similar to RAL 9016 | X 87, Y 87, Z 29 | • | |
| COVER IP20 WH | EM10055102 | Cover for wall detectors from the STANDARD series, IP20, white, similar to RAL 9010 | X 87, Y 87, Z 29 | • | |
| COVER IP44 WH | EM10055157 | Cover for wall detectors from the STANDARD series, IP44, white | X 87, Y 87, Z 67 | • | |
| **Electrical accessories** | | | | | |
| ACTUATOR FULL AUTO C3 DALI | EP10427473 | Modul for the conversion of bus commands from the DALI presence detector and other light controls into switching signals (fully automatic) | X 45, Y 45, Z 24 | • | |
| ACTUATOR SEMI AUTO C4 DALI | EP10427480 | Modul for the conversion of bus commands from the DALI presence detector and other light controls into switching signals (semi-automatic) | X 45, Y 45, Z 24 | • | |
| FILTER 230 V | EP10426988 | Filter for suppression of inductive loads, such as relays, contactors, fluorescent lamps and transformers | X 62, Y 26, Z 10 | • | |
| ACTUATOR 1x 8A DALI-2 | EP10427398 | DALI-2 ACTUATOR with integrated relay contact for DALI 2 commands according to IEC 62386-208 (DALI device type 7, DT7) | X 59, Y 33, Z 15 | • | ★ |
| REPEATER PS DALI-2 | EP10429996 | Universal DALI 2 signal amplifier (repeater) with integrated bus voltage supply (150 mA) to extend the DALI cable length. | X 170, Y 59, Z 29 | • | ★ |
| **Mounting** | | | | | |
| COMPACT APC MOUNTING BOX IP20 SM BK | EP10426285 | Surface-mounted box IP20 for COMPACT APC DALI-2 | X 103, Z 90 | • | |
| COMPACT APC MOUNTING BOX IP20 SM WH | EP10426278 | Surface-mounted box IP20 for COMPACT APC DALI-2 | X 103, Z 90 | • | |
| COMPACT APC MOUNTING BOX IP54 SM BK | EP10427190 | Surface-mounted box IP54 for COMPACT APC DALI-2 | X 130, Y 130, Z 98,7 | | ★ |

| Product group/product name | Item no. | Product description | Dimensions (mm) | Core portfolio | New product |
|---|---|---|---|---|---|
| COMPACT APC MOUNTING BOX IP54 SM GY | EP10427183 | Surface-mounted box IP54 for COMPACT APC DALI-2 | X 130, Y 130, Z 98,7 | • | ★ |
| COMPACT MOUNTING BOX IP20 SM BK | EP10426933 | Surface-mounted box for COMPACT series, IP20, black | X 104, Z 30 | • | |
| COMPACT MOUNTING BOX IP20 SM SR | EP10425387 | Surface-mounted box for COMPACT series, IP20, silver | X 104, Z 30 | • | |
| COMPACT MOUNTING BOX IP20 SM WH | EP10425370 | Surface-mounted box for COMPACT series, IP20, white | X 104, Z 30 | • | |
| COMPACT MOUNTING BOX IP54 SM BK | EP10426940 | Surface-mounted box for COMPACT series, IP54, black | X 104, Z 30 | • | |
| COMPACT MOUNTING BOX IP54 SM SR | EP10425912 | Surface-mounted box for COMPACT series, IP54, silver | X 104, Z 30 | • | |
| COMPACT MOUNTING BOX IP54 SM WH | EP10425905 | Surface-mounted box for COMPACT series, IP54, white | X 104, Z 30 | • | |
| MOUNTING BOX IP44 SM WH | EM10055164 | Surface-mounted box for wall detectors from the STANDARD series, IP44, white | X 87, Y 87, Z 49 | • | |
| MOUNTING SET IP20 FM 62 WH | EP10425929 | Recessed ceiling mounting set includes installation bracket and dust-protected box, 62 mm | X 63, Z 62 | • | |
| **Protection** | | | | | |
| BASKET GUARD ROUND LARGE | EM10425608 | Basket guard for presence and motion detectors and smoke detectors, Ø 180 mm, height 90 mm | X 180, Z 90 | • | |
| BASKET GUARD ROUND SMALL | EM10425615 | Basket guard for presence and motion detectors and smoke detectors, Ø 165 mm, height 70 mm | X 165, Z 70 | • | |
| **Push button** | | | | | |
| PUSH BUTTON x2 DALI-2 WH | EP10431609 | 2-way button for DALI-2 | X 71, Y 71, Z 21,5 | • | ★ |
| PUSH BUTTON x4 DALI-2 WH | EP10431616 | 4-way button for DALI-2 | X 71, Y 71, Z 21,5 | • | ★ |
| PUSH BUTTON x6 DALI-2 WH | EP10431623 | 6-way button for DALI-2 | X 71, Y 71, Z 21,5 | • | ★ |
| PUSH BUTTON x8 DALI-2 WH | EP10431630 | 8-way button for DALI-2 | X 71, Y 71, Z 21,5 | • | ★ |
| **Remote control** | | | | | |
| ESY-Pen | EP10425356 | ESY-Pen and ESY-App, two tools for every task: (1) Parameterisation, (2) remote control, (3) light measurement, (4) project management | X 166, Y 24, Z 21,5 | • | |
| REMOTE CONTROL MDi/PDi | EM10425509 | IR remote control for presence detectors and motion detectors | X 100, Y 50, Z 9 | • | |
| REMOTE CONTROL PDi DALI | EP10425899 | IR remote control for DALI presence detectors and motion detectors | X 100, Y 50, Z 9 | • | |
| REMOTE CONTROL PDi/USER | EM10425547 | IR remote control for end users of presence detectors | X 100, Y 50, Z 9 | • | |
| REMOTE CONTROL PDi/plus | EM10425530 | IR remote control for multi-channel presence detectors of the COMPACT series (DIM, DUOplus, DUO DIM, DUO DIMplus) | X 100, Y 50, Z 9 | • | |
| REMOTE CONTROL USER | EM10016011 | IR remote control for end users | X 56, Y 29, Z 7 | • | |

**A**

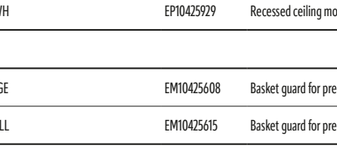



Standard with optional control via a closing button and parallel wiring of max. ten devices.



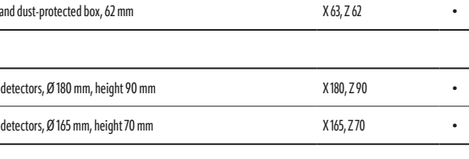

Standard operation with automatic stairwell light and optional control via a closing button.

**B**




Standard operation with optional control via a closing button and use of max. ten slave devices to one master device.

**C**

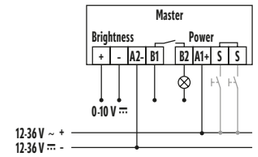



Master/slave connection for presence detectors: a maximum of 10 slave devices may be connected to one master.



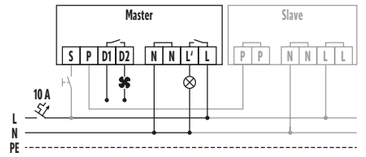


**CU**



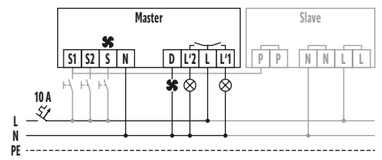

Standard operation with optional control via a closing button.

**D**



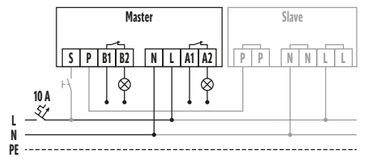

Standard operation with optional control via a closing button and use of max. ten slave devices to one master device.

**DB**



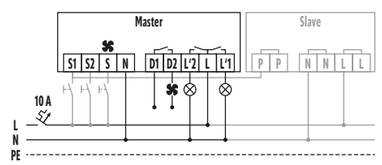

Standard operation.

**E**



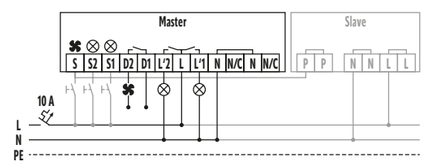

Standard operation with optional control via a closing button and use of max. ten slave devices to one master device.

**F**



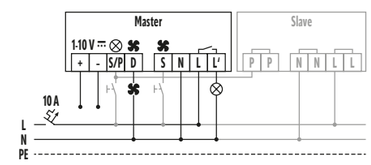

Standard operation with optional control via a closing button and use of max. ten slave devices to one master device.

**G**



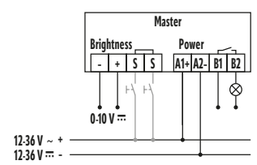

Standard operation with optional control via a closing button and use of max. ten slave devices to one master device.

**H**



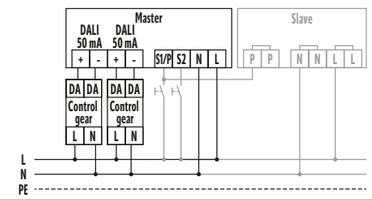

Standard operation with optional control via a closing button and use of max. ten slave devices to one master device.

**M**



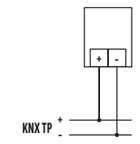

Standard operation with optional control via a closing button.

**N**



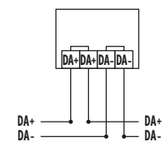

Standard operation with optional control via a closing button and use of max. ten slave devices to one master device.

**O**



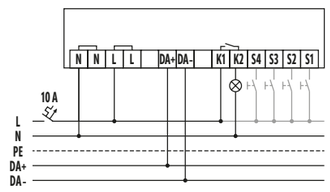

Standard operation.

**P**



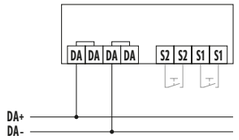

Standard operation.

**Q**

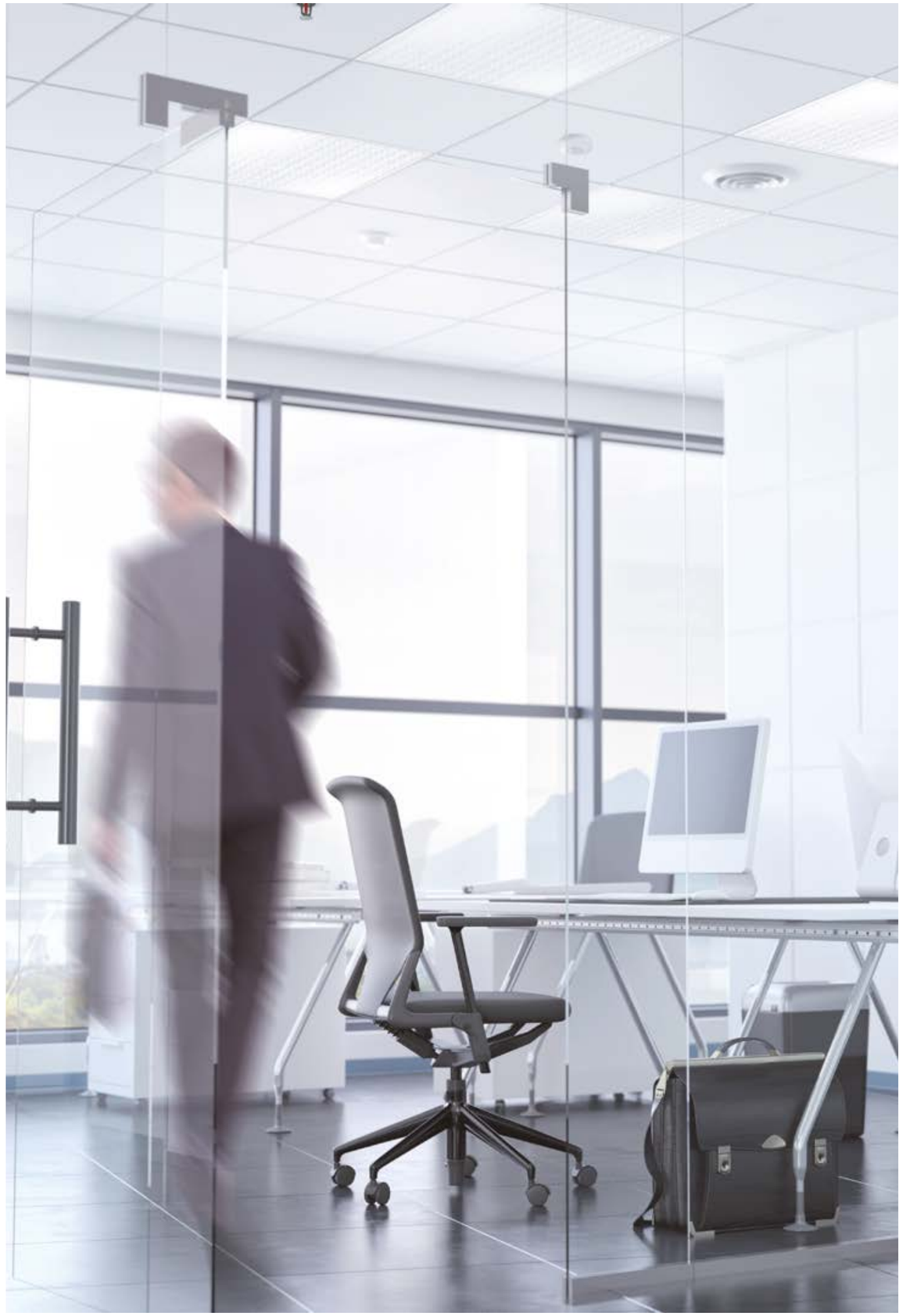



Standard operation with optional control via a closing button.

R




Standard operation with optional control via a closing button. Maximum line length from button to presence detector: 30 m.



INDOOR AUTOMATION

- **Particularly small design for unobtrusive operation**

**5 YEARS MANUFACTURER WARRANTY**



When it is really important not to mar the aesthetic design of a room with technical elements, the mini presence and motion detectors are the perfect solution. Their tiny housings and extremely low installation heights mean that they retreat unobtrusively into the background, while nevertheless keeping a close eye on everything thanks to their high-quality sensor technology. They are available for all common operating technologies and consistently impress clients due to the ease of use.




Parameterisable with ESY-Pen and ESY-App. More on pages 220 – 221 and at: esylux.com/esy-pen.





# COMPACT MINI
# QUALITY SENSOR SYSTEM IN THE SMALLEST FORMAT

On-demand lighting switching (230 V, 12 – 36 V) or presence- and daylight-dependent constant light control (DALI, DALI-2, KNX)

Ultra-compact design with diameters of just 25 mm (Ø 6-m detection range) to 58 mm (Ø 12-m detection range)

Numerous variants: range, presence/motion, lighting and HVAC control



Control of LED lights via high-performance relay with tungsten pre-contact (230 V)

Switching delay prevents switching errors due to short-term change in brightness

Manual override and stairwell light function on detectors with push button input

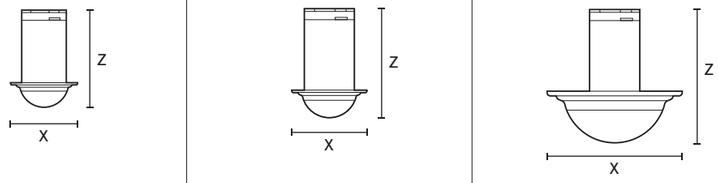
Orientation light function on detectors with DALI or KNX

Smart factory settings for immediate commissioning on remotely controlled variants

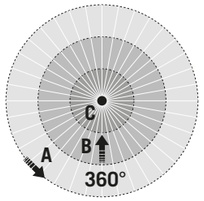
Convenient adjustment using remote control with blue mode technology, e.g. fully/semi-automatic systems, light values, switch-off delay times and button functions

Simple parameterisation, remote control and documentation of remotely controlled variants via ESY-Pen and ESY-App

## PRODUCT TYPES




## FIELD OF DETECTION




## DETECTION RANGE

| | Ceiling 6 m | Ceiling 8 m | Ceiling 12 m |
|---|---|---|---|
| Diagonally (A) | Ø 6 m | Ø 8 m | Ø 12 m |
| Frontal (B) | Ø 3 m | Ø 5 m | Ø 6 m |
| Presence area (C) | Ø 2 m | Ø 3 m | Ø 4 m |

Note: Technical data for specific products can be found at www.esylux.com.

# COMPACT MINI

## INDOOR AUTOMATION / PRESENCE AND MOTION DETECTORS



- On-demand lighting switching (230 V, 12 – 36 V) or presence- and daylight-dependent constant light control (DALI, DALI-2, KNX)
- Ultra-compact design with diameters of just 25 mm (Ø 6-m detection range) to 58 mm (Ø 12-m detection range)
- Numerous variants: range, presence/motion, lighting and HVAC control
- Control of LED lights via high-performance relay with tungsten pre-contact (230 V)
- Switching delay prevents switching errors due to short-term change in brightness
- Manual override and stairwell light function on detectors with push button input
- Orientation light function on detectors with DALI or KNX
- Smart factory settings for immediate commissioning on remotely controlled variants
- Convenient adjustment using remote control with blue mode technology, e.g. fully/semi-automatic systems, light values, switch-off delay times and button functions
- Simple parameterisation, remote control and documentation of remotely controlled variants via ESY-Pen and ESY-App

* With additional DALI actuator ACTUATOR C3/C4 DALI as accessory.

| Product group/product name | Item no. | Detection angle | Detection range | Installation type | Number of light channels | Function | Constant lighting control | Push button input lighting | In-rush current | Adjustable switch-off delay time | Number of HVAC-channels | Push button input HVAC | Slave input | Protection type | Dimensions (mm) | Circuit diagram | Core portfolio | New product |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Motion detectors / Ceiling mounting / ON/OFF** | | | | | | | | | | | | | | | | | | |
| **ON/OFF** | | | | | | | | | | | | | | | | | | |
| MD-C 360i/6 mini (opal matt) | EP10425851 | 360° | Ø 6 m | RM | 1 | Switching | | | 30 A / 20 ms | • | | | | IP65 | X 25, Z 47 | AW | • | |
| MD-C 360i/6 mini 12V (opal matt) | EP10425776 | 360° | Ø 6 m | RM | 1 | Switching | | | | • | | | | IP65 | X 25, Z 47 | AA | • | |
| MD-C 360i/8 mini (opal matt) | EP10426001 | 360° | Ø 8 m | RM | 1 | Switching | | 1 | 800 A / 200 µs | • | | | | IP55 | X 33, Z 60 | AC | • | |
| MD-C 360i/8 mini 3m (opal matt) | EP10427008 | 360° | Ø 8 m | RM | 1 | Switching | | 1 | 800 A / 200 µs | • | | | | IP55 | X 33, Z 60 | AC | • | |
| MD-C 360i/12 mini (opal matt) | EP10426018 | 360° | Ø 12 m | RM | 1 | Switching | | 1 | 800 A / 200 µs | • | | | | IP55 | X 58, Z 70 | AC | • | |
| **Presence detectors / Ceiling mounting / 12 - 36 V UC** | | | | | | | | | | | | | | | | | | |
| **12 - 36 V UC** | | | | | | | | | | | | | | | | | | |
| PD-C 360i/8 mini UC (opal matt) | EP10427343 | 360° | Ø 8 m | RM | 1 | Switching/Send values | • | 1 | | • | | | | IP55 | X 33, Z 60 | AH | • | |
| **Presence detectors / Ceiling mounting / KNX** | | | | | | | | | | | | | | | | | | |
| **KNX** | | | | | | | | | | | | | | | | | | |
| PD-C 360i/8 mini KNX (opal matt) | EP10426155 | 360° | Ø 8 m | RM | 2 | Switching/Regulate | • | 1 | | • | 1 | • | | IP55 | X 33, Z 60 | O | • | |
| PD-C 360i/8 mini KNX BK (opal matt) | EP10426209 | 360° | Ø 8 m | RM | 2 | Switching/Regulate | • | 1 | | • | 1 | • | | IP55 | X 33, Z 60 | O | • | ★ |
| PD-C 360i/12 mini KNX (opal matt) | EP10426162 | 360° | Ø 12 m | RM | 2 | Switching/Regulate | • | 1 | | • | 1 | • | | IP55 | X 58, Z 70 | O | • | |
| **Presence detectors / Ceiling mounting / ON/OFF** | | | | | | | | | | | | | | | | | | |
| **ON/OFF** | | | | | | | | | | | | | | | | | | |
| PD-C 360i/6 mini (opal matt) | EP10425868 | 360° | Ø 6 m | RM | 1 | Switching | | | 30 A / 20 ms | • | | | | IP65 | X 25, Z 47 | AB | • | |
| PD-C 360/8 mini Slave (opal matt) | EP10426063 | 360° | Ø 8 m | RM | | Send values | | | | | | | | IP55 | X 33, Z 60 | AE | • | |
| PD-C 360i/8 mini (opal matt) | EP10426025 | 360° | Ø 8 m | RM | 1 | Switching | | 1 | 800 A / 200 µs | • | | • | | IP55 | X 33, Z 60 | AD | • | |
| PD-C 360i/8 mini 3m (opal matt) | EP10427015 | 360° | Ø 8 m | RM | 1 | Switching | | 1 | 800 A / 200 µs | • | | • | | IP55 | X 33, Z 60 | AD | • | |
| PD-C 360i/12 mini (opal matt) | EP10426032 | 360° | Ø 12 m | RM | 1 | Switching | | 1 | 800 A / 200 µs | • | | • | | IP55 | X 58, Z 70 | AD | • | |

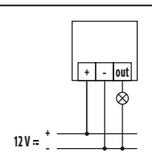




| Product group/product name | Item no. | Detection angle | Detection range | Installation type | Number of light channels | Number of light groups | Function | Constant lighting control | Symbil.logic | Push button input lighting | Adjustable switch-off delay time | Number of HVAC-channels | DALI-2 device type | Push button input HVAC | Protection type | Dimensions (mm) | Circuit diagram | Core portfolio | New product |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Presence detectors / Ceiling mounting / DALI** | | | | | | | | | | | | | | | | | | | |
| **DALI** | | | | | | | | | | | | | | | | | | | |
| PD-C 360i/8 mini DALI (opal matt) | EP10427510 | 360° | Ø 8 m | RM | 1 | | Switching/Regulate | • | | | • | 2 | | | IP54 | X 33, Z 60 | AF | • | |
| **Presence detectors / Ceiling mounting / DALI-2** | | | | | | | | | | | | | | | | | | | |
| **DALI-2** | | | | | | | | | | | | | | | | | | | |
| PD-C 360/8 mini BMS DALI-2 (opal matt) | EP10423048 | 360° | Ø 8 m | RM | | | Send values | | | | | | 303, 304 | | IP55 | X 33, Z 60 | AG | • | ★ |
| PD-C 360/8 mini BMS DALI-2 BK (black, opal matt) | EP10423246 | 360° | Ø 8 m | RM | | | Send values | | | | | | 303, 304 | | IP55 | X 33, Z 60 | AG | • | ★ |

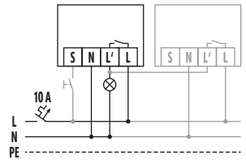
| Product group/product name | Item no. | Product description | Dimensions (mm) | Core portfolio | New product |
|---|---|---|---|---|---|
| **Accessories** | | | | | |
| **Adapter** | | | | | |
| COMPACT MINI SPOTLIGHT ADAPTER 51/20 | EP10426384 | Adapter for COMPACT MINI (6 m) series for installing motion and presence detectors in spotlights (illuminant size QR-CBC51-Ø 51 mm) with retaining ring | X 51, Z 3 | • | |
| COMPACT MINI SPOTLIGHT ADAPTER 51/25 | EP10426391 | Adapter for COMPACT MINI (8 m and 12 m) series for installing motion and presence detectors in spotlights (illuminant size QR-CBC51-Ø 51 mm) with retaining ring | X 51, Z 3 | • | |
| **Electrical accessories** | | | | | |
| ACTUATOR FULL AUTO C3 DALI | EP10427473 | Modul for the conversion of bus commands from the DALI presence detector and other light controls into switching signals (fully automatic) | X 45, Y 45, Z 24 | • | |
| ACTUATOR SEMI AUTO C4 DALI | EP10427480 | Modul for the conversion of bus commands from the DALI presence detector and other light controls into switching signals (semi-automatic) | X 45, Y 45, Z 24 | • | |
| FILTER 230 V | EP10426988 | Filter for suppression of inductive loads, such as relays, contactors, fluorescent lamps and transformers | X 62, Y 26, Z 10 | • | |
| POWER SUPPLY 200mA DALI | EC10430008 | 200mA power pack for supplying power to DALI operating units or DALI control modules that do not have their own power supply | X 48, Y 45, Z 25 | • | |
| **Push button** | | | | | |
| PUSH BUTTON x2 DALI-2 WH | EP10431609 | 2-way button for DALI-2 | X 71, Y 71, Z 21,5 | • | ★ |
| PUSH BUTTON x4 DALI-2 WH | EP10431616 | 4-way button for DALI-2 | X 71, Y 71, Z 21,5 | • | ★ |
| PUSH BUTTON x6 DALI-2 WH | EP10431623 | 6-way button for DALI-2 | X 71, Y 71, Z 21,5 | • | ★ |
| PUSH BUTTON x8 DALI-2 WH | EP10431630 | 8-way button for DALI-2 | X 71, Y 71, Z 21,5 | • | ★ |
| **Remote control** | | | | | |
| ESY-Pen | EP10425356 | ESY-Pen and ESY-App, two tools for every task: (1) Parameterisation, (2) remote control, (3) light measurement, (4) project management | X 166, Y 24, Z 21,5 | • | |
| REMOTE CONTROL MDi/PDi | EM10425509 | IR remote control for presence detectors and motion detectors | X 100, Y 50, Z 9 | • | |
| REMOTE CONTROL PDi DALI | EP10425899 | IR remote control for DALI presence detectors and motion detectors | X 100, Y 50, Z 9 | • | |
| REMOTE CONTROL PDi/USER | EM10425547 | IR remote control for end users of presence detectors | X 100, Y 50, Z 9 | • | |
| TELESCOPE MAGNET | EC10430022 | Telescope magnet | | • | |

AA

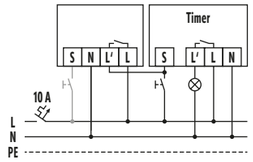



Standard operation

## AC

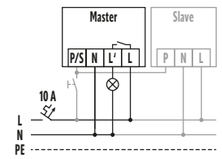



Standard with optional control via a closing button and parallel wiring of max. ten devices.



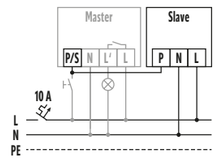

Standard operation with automatic stairwell light and optional control via a closing button.

## AD



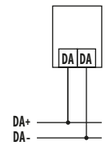

Standard operation with optional control via a closing button and use of max. ten slave devices to one master device.

## AE

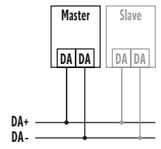



Master/slave connection for presence detectors: a maximum of 10 slave devices may be connected to one master.

## AF

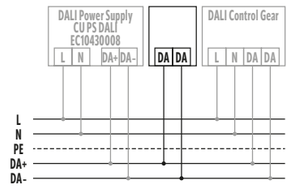



Standard operation.



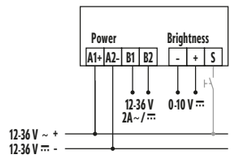

Master/slave connection for presence detectors: a maximum of 8 slave devices may be connected to one master.

## AG



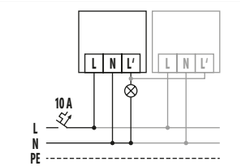

Standard operation.

## AH

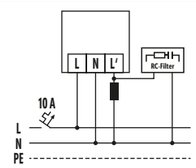



Standard operation with optional control via a closing button.

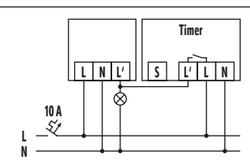
## AW



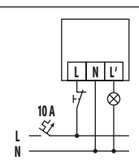

Standard operation with optional parallel wiring of max. eight motion detectors.




An RC filter (A) may be required when connecting inductors (e.g. relays, contactors, ballasts).




Standard operation with automatic stairwell light.

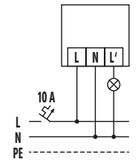



Standard operation with the additional possibility of switching on by hand.

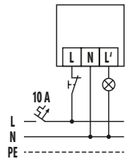




## AB

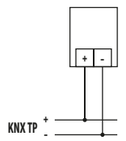



Standard operation.




Standard operation with the additional possibility of switching on by hand.

## O




Standard operation.

# COMPACT EXPRESS
# SPECIAL DESIGN FOR SYSTEM CEILINGS



- One-piece housing for easy installation in suspended ceilings
- Discreet appearance due to flush ceiling installation
- Variants with pre-assembled connection cables for WAGO WINSTA® and Wieland GST18® are available

5 YEARS MANUFACTURER WARRANTY

One-piece housing for fast installation flush to the ceiling in suspended ceilings

Convenient adjustment using remote control (for example fully/semi-automatic, light values or switch-off delay times)

Switching delay prevents switching errors due to temporary variations in brightness, such as those caused by weather conditions

Variants available with pre-assembled connection cables for WAGO WINSTA® and Wieland GST18®



Demand-driven lighting switching

Suitable for controlling LED lights using high-performance relays with tungsten pre-contacts (230 V)

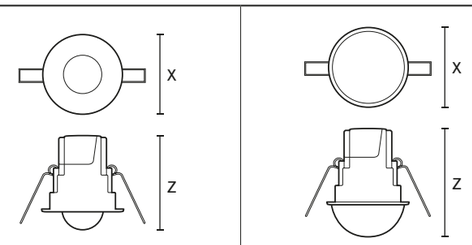
Manual override



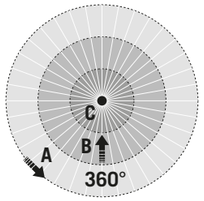

The presence and motion detectors in the CE series intelligently switch the lighting and impress with their clever design. The concept enables flush ceiling installation and guarantees a correspondingly subtle appearance that, for the most part, only leaves the lens visible. Installation is quick and easy — even express.

Parameterisable with ESY-Pen and ESY-App. More on pages 220 – 221 and at: esylux.com/esy-pen.

## PRODUCT TYPES




## FIELD OF DETECTION




## DETECTION RANGE

| | Ceiling 8 m | Ceiling 24 m |
|---|---|---|
| Diagonally (A) | Ø 8 m | Ø 24 m |
| Frontal (B) | Ø 6 m | Ø 11 m |
| Presence area (C) | Ø 4 m | Ø 8 m |

Note: Technical data for specific products can be found at www.esylux.com.

# COMPACT EXPRESS

## INDOOR AUTOMATION / PRESENCE AND MOTION DETECTORS



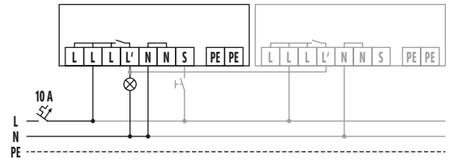
- One-piece housing for fast installation flush to the ceiling in suspended ceilings
- Demand-driven lighting switching
- Convenient adjustment using remote control (for example fully/semi-automatic, light values or switch-off delay times)
- Suitable for controlling LED lights using high-performance relays with tungsten pre-contacts (230 V)
- Switching delay prevents switching errors due to temporary variations in brightness, such as those caused by weather conditions
- Manual override
- Variants available with pre-assembled connection cables for WAGO WINSTA® and Wieland GST18®

| Product group/product name | Item no. | Detection angle | Detection range | Installation type | Number of light channels | Function | Constant lighting control | Push button input lighting | In-rush current | Adjustable switch-off delay time | Number of HVAC-channels | Push button input HVAC | Slave input | Protection type | Dimensions (mm) | Circuit diagram | Core portfolio | New product |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Motion detectors / Ceiling mounting / ON/OFF** | | | | | | | | | | | | | | | | | | |
| **ON/OFF** | | | | | | | | | | | | | | | | | | |
| MD-CE 360i/8 (opal matt) | EP10510007 | 360° | Ø 8 m | RM | 1 | Switching | | 1 | 800 A / 200 µs | • | | | | IP40 | X 82, Z 24 | AI | • | |
| MD-CE 360i/8 WIELAND GST18 (opal matt) | EP10510014 | 360° | Ø 8 m | RM | 1 | Switching | | 1 | 800 A / 200 µs | • | | | | IP40 | X 82, Z 24 | AI | • | |
| MD-CE 360i/8 WAGO WINSTA (opal matt) | EP10510045 | 360° | Ø 8 m | RM | 1 | Switching | | 1 | 800 A / 200 µs | • | | | | IP40 | X 82, Z 24 | AI | • | |
| MD-CE 360i/24 (opal matt) | EP10510021 | 360° | Ø 24 m | RM | 1 | Switching | | 1 | 800 A / 200 µs | • | | | | IP40 | X 82, Z 32 | AI | • | |
| MD-CE 360i/24 WIELAND GST18 (opal matt) | EP10510038 | 360° | Ø 24 m | RM | 1 | Switching | | 1 | 800 A / 200 µs | • | | | | IP40 | X 82, Z 32 | AI | • | |
| MD-CE 360i/24 WAGO WINSTA (opal matt) | EP10510052 | 360° | Ø 24 m | RM | 1 | Switching | | 1 | 800 A / 200 µs | • | | | | IP40 | X 82, Z 32 | AI | | |
| **Presence detectors / Ceiling mounting / ON/OFF** | | | | | | | | | | | | | | | | | | |
| **ON/OFF** | | | | | | | | | | | | | | | | | | |
| PD-CE 360/8 Slave (opal matt) | EP10510748 | 360° | Ø 8 m | RM | | Send values | | | | | | • | • | IP40 | X 82, Z 24 | AK | • | |
| PD-CE 360i/8 (opal matt) | EP10510700 | 360° | Ø 8 m | RM | 1 | Switching | | 1 | 800 A / 200 µs | • | | • | • | IP40 | X 82, Z 24 | AJ | • | |
| PD-CE 360i/8 WIELAND GST18 (opal matt) | EP10510717 | 360° | Ø 8 m | RM | 1 | Switching | | 1 | 800 A / 200 µs | • | | • | • | IP40 | X 82, Z 24 | AJ | • | |
| PD-CE 360i/8 WAGO WINSTA (opal matt) | EP10510786 | 360° | Ø 8 m | RM | 1 | Switching | | 1 | 800 A / 200 µs | • | | • | • | IP40 | X 82, Z 24 | AJ | • | |
| PD-CE 360/24 Slave (opal matt) | EP10510755 | 360° | Ø 24 m | RM | | Send values | | | | | | • | • | IP40 | X 82, Z 32 | AK | • | |
| PD-CE 360i/24 (opal matt) | EP10510724 | 360° | Ø 24 m | RM | 1 | Switching | | 1 | 800 A / 200 µs | • | | • | • | IP40 | X 82, Z 32 | AJ | • | |
| PD-CE 360i/24 WIELAND GST18 (opal matt) | EP10510731 | 360° | Ø 24 m | RM | 1 | Switching | | 1 | 800 A / 200 µs | • | | • | • | IP40 | X 82, Z 32 | AJ | • | |
| PD-CE 360i/24 WAGO WINSTA (opal matt) | EP10510793 | 360° | Ø 24 m | RM | 1 | Switching | | 1 | 800 A / 200 µs | • | | • | • | IP40 | X 82, Z 32 | AJ | • | |

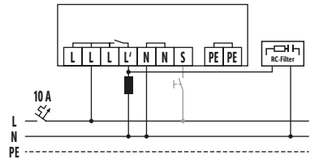




| Product group/product name | Item no. | Product description | Dimensions (mm) | Core portfolio | New product |
|---|---|---|---|---|---|
| **Accessories** | | | | | |
| **Electrical accessories** | | | | | |
| FILTER 230 V | EP10426988 | Filter for suppression of inductive loads, such as relays, contactors, fluorescent lamps and transformers | X 62, Y 26, Z 10 | • | |
| **Protection** | | | | | |
| BASKET GUARD ROUND SMALL | EM10425615 | Basket guard for presence and motion detectors and smoke detectors, Ø 165 mm, height 70 mm | X 165, Z 70 | • | |
| BASKET GUARD ROUND LARGE | EM10425608 | Basket guard for presence and motion detectors and smoke detectors, Ø 180 mm, height 90 mm | X 180, Z 90 | • | |
| **Remote control** | | | | | |
| ESY-Pen | EP10425356 | ESY-Pen and ESY-App, two tools for every task: (1) Parameterisation, (2) remote control, (3) light measurement, (4) project management | X 166, Y 24, Z 21,5 | • | |
| REMOTE CONTROL MDi/PDi | EM10425509 | IR remote control for presence detectors and motion detectors | X 100, Y 50, Z 9 | • | |
| REMOTE CONTROL USER | EM10016011 | IR remote control for end users | X 56, Y 29, Z 7 | • | |

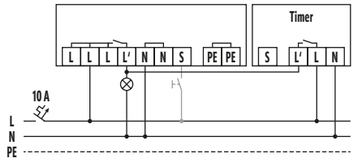



Standard with optional control via a closing button and parallel wiring of max. ten devices.



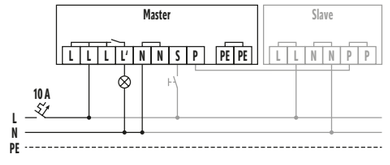

When connecting inductors (e.g. relays, contactors, ballasts) the use of a filter (A) may be necessary.

AI



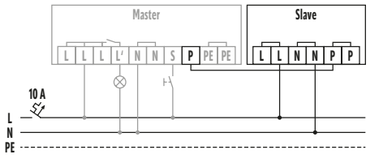

Standard operation with automatic stairwell light and optional control via a closing button.

AJ




Standard operation with optional control via a closing button and use of max. ten slave devices to one master device.

AK




Master/slave connection for presence detectors: a maximum of 10 slave devices may be connected to one master.

- **Stylish design with flat body**
- **Small junction box provides a large wiring space in every flush-mounted socket**

**5 YEARS MANUFACTURER WARRANTY**






Whether in an exclusive lounge or a prestigious board office — many locations feature elegant interior décor which demands equally attractive room technology. The perfect task for the FLAT presence and motion detectors: With their flat design, they have a particularly unobtrusive appearance, while a range of variants offers the perfect solution for every taste.

Parameterisable with ESY-Pen and ESY-App. More on pages 220 - 221 and at: esylux.com/esy-pen.





# FLAT
# QUALITY SENSOR SYSTEM IN AN ELEGANT DESIGN



Elegant design with a flat body (6 mm) and low installation depth (24 mm)

Covers with glass surfaces are available

Demand-driven lighting switching (230 V) or automatic light control (DALI or KNX) at a constant brightness level depending on presence and daylight (constant light control)

Instantly ready for use thanks to pre-installed factory settings (230 V, DALI)



Automatic configuration of light ballasts (DALI broadcast)

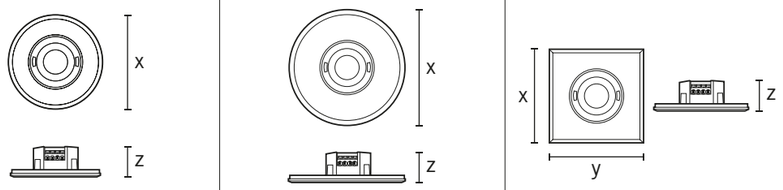
Simple configuration using remote control

Extensive individual configuration options for 47 communication objects (KNX)

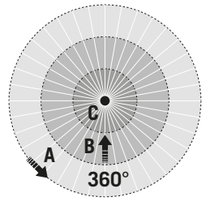
Optimised to control LED lights whilst protecting the relay through zero-cross switching (230 V)

Small junction box provides a large wiring area in every flush-mounted socket

## PRODUCT TYPES




## FIELD OF DETECTION




## DETECTION RANGE

| | Ceiling 8 m |
|---|---|
| Diagonally (A) | Ø 8 m |
| Frontal (B) | Ø 6 m |
| Presence area (C) | Ø 4 m |

Note: Technical data for specific products can be found at www.esylux.com.

# FLAT

## INDOOR AUTOMATION / PRESENCE AND MOTION DETECTORS



- Elegant design with a flat body (6 mm) and low installation depth (24 mm)
- Covers with glass surfaces are available
- Demand-driven lighting switching (230 V) or automatic light control (DALI or KNX) at a constant brightness level depending on presence and daylight (constant light control)
- Instantly ready for use thanks to pre-installed factory settings (230 V, DALI)
- Automatic configuration of light ballasts (DALI broadcast)
- Simple configuration using remote control
- Extensive individual configuration options for 47 communication objects (KNX)
- Optimised to control LED lights whilst protecting the relay through zero-cross switching (230 V)
- Small junction box provides a large wiring area in every flush-mounted socket

* With additional DALI actuator ACTUATOR C3/C4 DALI as accessory.

| Product group/product name | Item no. | Detection angle | Detection range | Installation type | Number of light channels | Function | Constant lighting control | Push button input lighting | In-rush current | Adjustable switch-off delay time | Number of HVAC-channels | Push button input HVAC | Slave input | Protection type | Dimensions (mm) | Circuit diagram | Core portfolio | New product |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Motion detectors / Ceiling mounting / ON/OFF** | | | | | | | | | | | | | | | | | | |
| **ON/OFF** | | | | | | | | | | | | | | | | | | |
| MD-FLAT 360i/8 ROUND BLACK (black, similar to RAL 9004) | EP10428074 | 360° | Ø 8 m | FM | 1 | Switching | | 1 | 78 A / 5 ms | • | | | | IP20 | X 94, Z 30 | S | • | |
| MD-FLAT 360i/8 ROUND WHITE (white, similar to RAL 9010) | EP10427886 | 360° | Ø 8 m | FM | 1 | Switching | | 1 | 78 A / 5 ms | • | | | | IP20 | X 94, Z 30 | S | • | |
| MD-FLAT 360i/8 SQUARE BLACK (black, similar to RAL 9004) | EP10428081 | 360° | Ø 8 m | FM | 1 | Switching | | 1 | 78 A / 5 ms | • | | | | IP20 | X 77, Y 77, Z 30 | S | • | |
| MD-FLAT 360i/8 SQUARE WHITE (white, similar to RAL 9010) | EP10427893 | 360° | Ø 8 m | FM | 1 | Switching | | 1 | 78 A / 5 ms | • | | | | IP20 | X 77, Y 77, Z 30 | S | • | |
| MD-FLAT 360i/8 LARGE ROUND WHITE (white, similar to RAL 9010) | EP10428609 | 360° | Ø 8 m | FM | 1 | Switching | | 1 | 78 A / 5 ms | • | | | | IP20 | X 104, Z 30 | S | • | |
| MD-FLAT-E 360i/8 ROUND WHITE (white, similar to RAL 9010) | EP10428548 | 360° | Ø 8 m | RM | 1 | Switching | | 1 | 78 A / 5 ms | • | | | | IP20 | X 94, Z 76 | S | • | |
| MD-FLAT 360i/8 LARGE ROUND BK (black, similar to RAL 9004) | EP10428746 | 360° | Ø 8 m | FM | 1 | Switching | | 1 | 78 A / 5 µs | • | | | | IP20 | X 104, Z 30 | | • | ★ |
| MD-FLAT-E 360i/8 RW WIELAND GST18 (white, similar to RAL 9010) | EP10427862 | 360° | Ø 8 m | RM | 1 | Switching | | 1 | 78 A / 5 ms | • | | | | IP20 | X 94, Z 76,5 | S | • | |
| MD-FLAT 360i/8 RW WAGO WINSTA CodeA (white, similar to RAL 9010) | EP10424861 | 360° | Ø 8 m | RM | 1 | Switching | | 1 | 78 A / 5 ms | • | | | | IP20 | X 94, Z 76,5 | S | • | |
| **Presence detectors / Ceiling mounting / KNX** | | | | | | | | | | | | | | | | | | |
| **KNX** | | | | | | | | | | | | | | | | | | |
| PD-FLAT 360i/8 ROUND BLACK KNX (black, similar to RAL 9004) | EP10451768 | 360° | Ø 8 m | FM | 2 | Switching/Regulate | • | 2 | | • | 1 | • | • | IP20 | X 94, Z 30 | O | • | |
| PD-FLAT 360i/8 ROUND WHITE KNX (white, similar to RAL 9010) | EP10451706 | 360° | Ø 8 m | FM | 2 | Switching/Regulate | • | 2 | | • | 1 | • | • | IP20 | X 94, Z 30 | O | • | |
| PD-FLAT 360i/8 SQUARE BLACK KNX (black, similar to RAL 9004) | EP10451775 | 360° | Ø 8 m | FM | 2 | Switching/Regulate | • | 2 | | • | 1 | • | • | IP20 | X 77, Y 77, Z 30 | O | • | |
| PD-FLAT 360i/8 SQUARE WHITE KNX (white, similar to RAL 9010) | EP10451713 | 360° | Ø 8 m | FM | 2 | Switching/Regulate | • | 2 | | • | 1 | • | • | IP20 | X 77, Y 77, Z 30 | O | • | |
| PD-FLAT 360i/8 ROUND WHITE FM KNX (white, similar to RAL 9010) | EP10423222 | 360° | Ø 8 m | RM | 2 | Switching/Regulate | • | 1 | 78 A / 5 µs | • | 1 | • | • | IP20 | X 94, Z 76 | O | • | ★ |
| PD-FLAT 360i/8 LARGE ROUND WHITE KNX (white, similar to RAL 9010) | EP10428685 | 360° | Ø 8 m | FM | 2 | Switching/Regulate | • | 2 | | • | 1 | • | • | IP20 | X 104, Z 76 | O | • | |
| PD-FLAT 360i/8 LARGE ROUND WHITE FM KNX (white, similar to RAL 9010) | EP10423239 | 360° | Ø 8 m | RM | 2 | Switching/Regulate | • | 1 | 78 A / 5 µs | • | 1 | • | • | IP20 | X 104, Z 76 | O | • | ★ |
| **Presence detectors / Ceiling mounting / ON/OFF** | | | | | | | | | | | | | | | | | | |
| **ON/OFF** | | | | | | | | | | | | | | | | | | |
| PD-FLAT 360i/8 ROUND BLACK (black, similar to RAL 9004) | EP10427954 | 360° | Ø 8 m | FM | 1 | Switching | | 1 | 78 A / 5 ms | • | | | | IP20 | X 94, Z 30 | T | • | |
| PD-FLAT 360i/8 ROUND WHITE (white, similar to RAL 9010) | EP10427930 | 360° | Ø 8 m | FM | 1 | Switching | | 1 | 78 A / 5 ms | • | | | | IP20 | X 94, Z 30 | T | • | |





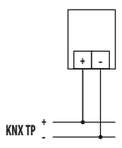
| Product group/product name | Item no. | Detection angle | Detection range | Installation type | Number of light channels | Function | Constant lighting control | Push button input lighting | In-rush current | Adjustable switch-off delay time | Number of HVAC-channels | Push button input HVAC | Slave input | Protection type | Dimensions (mm) | Circuit diagram | Core portfolio | New product |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PD-FLAT 360i/8 SQUARE BLACK (black, similar to RAL 9004) | EP10427947 | 360° | Ø 8 m | FM | 1 | Switching | | 1 | 78 A / 5 ms | • | | | | IP20 | X 77, Y 77, Z 30 | T | • | |
| PD-FLAT 360i/8 SQUARE WHITE (white, similar to RAL 9010) | EP10427923 | 360° | Ø 8 m | FM | 1 | Switching | | 1 | 78 A / 5 ms | • | | | | IP20 | X 77, Y 77, Z 30 | T | • | |
| PD-FLAT 360i/8 LARGE ROUND WHITE (white, similar to RAL 9010) | EP10428623 | 360° | Ø 8 m | FM | 1 | Switching | | 1 | 78 A / 5 ms | • | | | | IP20 | X 104, Z 30 | T | • | |
| PD-FLAT-E 360i/8 ROUND WHITE (white, similar to RAL 9010) | EP10428555 | 360° | Ø 8 m | RM | 1 | Switching | | 1 | 78 A / 5 ms | • | | | | IP20 | X 94, Z 76 | T | • | |
| PD-FLAT 360i/8 LARGE ROUND BK (black, similar to RAL 9004) | EP10428753 | 360° | Ø 8 m | FM | 1 | Switching | | 1 | 78 A / 5 µs | • | 1 | | | IP20 | X 104, Z 30 | T | • | ★ |
| PD-FLAT-E 360i/8 RW WIELAND GST18 (white, similar to RAL 9010) | EP10427879 | 360° | Ø 8 m | RM | 1 | Switching | | 1 | 78 A / 5 ms | • | | | | IP20 | X 94, Z 76,5 | T | • | |
| PD-FLAT 360i/8 RW WAGO WINSTA CodeA (white, similar to RAL 9010) | EP10424878 | 360° | Ø 8 m | RM | 1 | Switching | | 1 | 78 A / 5 ms | • | | | | IP20 | X 94, Z 76,5 | T | • | |

| Product group/product name | Item no. | Detection angle | Detection range | Installation type | Number of light channels | Number of light groups | Function | Constant lighting control | SymbiLogic | Push button input lighting | Adjustable switch-off delay time | Number of HVAC-channels | DALI-2 device type | Push button input HVAC | Protection type | Dimensions (mm) | Circuit diagram | Core portfolio | New product |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Presence detectors / Ceiling mounting / DALI** | | | | | | | | | | | | | | | | | | | |
| **DALI** | | | | | | | | | | | | | | | | | | | |
| PD-FLAT 360i/8 ROUND BLACK DALI (black, similar to RAL 9004) | EP10427916 | 360° | Ø 8 m | FM | 1 | | Switching/Regulate | • | | 1 | • | 2 | | | IP20 | X 94, Z 30 | U | • | |
| PD-FLAT 360i/8 ROUND WHITE DALI (white, similar to RAL 9010) | EP10427541 | 360° | Ø 8 m | FM | 1 | | Switching/Regulate | • | | 1 | • | 2 | | | IP20 | X 94, Z 30 | U | • | |
| PD-FLAT 360i/8 SQUARE WHITE DALI (white, similar to RAL 9010) | EP10427558 | 360° | Ø 8 m | FM | 1 | | Switching/Regulate | • | | 1 | • | 2 | | | IP20 | X 77, Y 77, Z 30 | U | • | |
| PD-FLAT 360i/8 ROUND WHITE DALI SET (white, similar to RAL 9010) | EP10428708 | 360° | Ø 8 m | FM | 1 | | Switching/Regulate | • | | 1 | • | 2 | | | IP20 | X 94, Z 30 | U | • | |
| PD-FLAT 360i/8 SQUARE WHITE DALI SET (white, similar to RAL 9010) | EP10428715 | 360° | Ø 8 m | FM | 1 | | Switching/Regulate | • | | 1 | • | 2 | | | IP20 | X 77, Y 77, Z 30 | U | • | |
| PD-FLAT 360i/8 LARGE ROUND WHITE DALI SET (white, similar to RAL 9010) | EP10428661 | 360° | Ø 8 m | FM | 1 | | Switching/Regulate | • | | 1 | • | 2 | | | IP20 | X 104, Z 30 | U | • | |
| **Presence detectors / Ceiling mounting / DALI-2** | | | | | | | | | | | | | | | | | | | |
| **DALI-2** | | | | | | | | | | | | | | | | | | | |
| PD-FLAT 360/8 RW BMS DALI-2 (white, similar to RAL 9010) | EP10423031 | 360° | Ø 8 m | FM | | | Send values | | | 1 | | | 301, 302, 303, 304 | IP20 | X 94, Z 30 | Z | • | ★ |
| PD-FLAT 360/8 SW BMS DALI-2 (white, similar to RAL 9010) | EP10423024 | 360° | Ø 8 m | FM | | | Send values | | | 1 | | | 301, 302, 303, 304 | IP20 | X 77, Y 77, Z 30 | Z | • | ★ |
| PD-FLAT 360/8 ROUND WHITE BMS FM DALI-2 (white, similar to RAL 9010) | EP10423208 | 360° | Ø 8 m | RM | | | Send values | | | 1 | | | 301, 302, 303, 304 | IP20 | X 94, Z 76 | Z | • | ★ |
| PD-FLAT-L 360/8 RW BMS DALI-2 (white, similar to RAL 9010) | EP10423055 | 360° | Ø 8 m | FM | | | Send values | | | 1 | | | 301, 302, 303, 304 | IP20 | X 104, Z 30 | Z | • | ★ |
| PD-FLAT 360/8 LARGE ROUND WHITE BMS FM DALI-2 (white, similar to RAL 9010) | EP10423215 | 360° | Ø 8 m | RM | | | Send values | | | 1 | | | 301, 302, 303, 304 | IP20 | X 104, Z 76 | Z | • | ★ |
| PD-FLAT 360/8 RW BMS DALI-2 WINSTA CodeI (white, similar to RAL 9010) | EP10428869 | 360° | Ø 8 m | RM | | | Send values | | | 1 | | | 301, 302, 303, 304 | IP20 | X 94, Z 76 | Z | • | ★ |

| Product group/product name | Item no. | Product description | Dimensions (mm) | Core portfolio | New product |
|---|---|---|---|---|---|
| **Accessories** | | | | | |
| **Cover** | | | | | |
| FLAT COVER GLASS ROUND BK | EP00007293 | Cover for FLAT series, glass, round, black | X 94, Z 5 | • | |
| FLAT COVER GLASS ROUND GY | EP00007323 | Cover for FLAT series, glass, round, grey | X 94, Z 5 | • | |
| FLAT COVER GLASS ROUND WH | EP00007255 | Cover for FLAT series, glass, round, white | X 94, Z 5 | • | |
| FLAT COVER GLASS SQUARE BK | EP00007309 | Cover for FLAT series, glass, square, grey | X 77, Y 77, Z 5 | • | |
| FLAT COVER GLASS SQUARE WH | EP00007262 | Cover for FLAT series, glass, square, white | X 77, Y 77, Z 5 | • | |

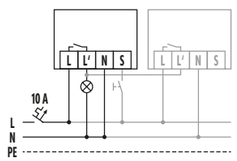
| Product group/product name | Item no. | Product description | Dimensions (mm) | Core portfolio | New product |
|---|---|---|---|---|---|
| FLAT COVER LARGE ROUND BK | EP10428098 | Cover for FLAT series, Ø 104 mm, round, black | X 104, Z 5 | • | |
| FLAT COVER LARGE ROUND WH | EP10428579 | Cover for FLAT series, Ø 104 mm, round, white | X 104, Z 5 | • | |
| FLAT COVER ROUND BK | EP00007279 | Cover for FLAT series, round, black | X 94, Z 5 | • | |
| FLAT COVER ROUND WH | EP00007231 | Cover for FLAT series, round, white | X 94, Z 5 | • | |
| FLAT COVER SQUARE BK | EP00007286 | Cover for FLAT series, square, black | X 77, Y 77, Z 5 | • | |
| FLAT COVER SQUARE WH | EP00007248 | Cover for FLAT series, square, white | X 77, Y 77, Z 5 | • | |
| **Electrical accessories** | | | | | |
| ACTUATOR FULL AUTO C3 DALI | EP10427473 | Modul for the conversion of bus commands from the DALI presence detector and other light controls into switching signals (fully automatic) | X 45, Y 45, Z 24 | • | |
| ACTUATOR SEMI AUTO C4 DALI | EP10427480 | Modul for the conversion of bus commands from the DALI presence detector and other light controls into switching signals (semi-automatic) | X 45, Y 45, Z 24 | • | |
| FILTER 230 V | EP10426988 | Filter for suppression of inductive loads, such as relays, contactors, fluorescent lamps and transformers | X 62, Y 26, Z 10 | • | |
| POWER SUPPLY 200mA DALI | EC10430008 | 200mA power pack for supplying power to DALI operating units or DALI control modules that do not have their own power supply | X 48, Y 45, Z 25 | • | |
| **Mounting** | | | | | |
| COMPACT APC MOUNTING BOX IP20 SM BK | EP10426285 | Surface-mounted box IP20 for COMPACT APC DALI-2 | X 103, Z 90 | • | |
| COMPACT MOUNTING BOX IP20 SM BK | EP10426933 | Surface-mounted box for COMPACT series, IP20, black | X 104, Z 30 | • | |
| COMPACT MOUNTING BOX IP20 SM WH | EP10425370 | Surface-mounted box for COMPACT series, IP20, white | X 104, Z 30 | • | |
| FLAT MOUNTING SET IP20 FM | EP10426889 | Recessed ceiling mounting set for FLAT series includes installation bracket and dust-protected box | X 63, Z 61 | • | |
| **Protection** | | | | | |
| BASKET GUARD ROUND LARGE | EM10425608 | Basket guard for presence and motion detectors and smoke detectors, Ø 180 mm, height 90 mm | X 180, Z 90 | • | |
| BASKET GUARD ROUND SMALL | EM10425615 | Basket guard for presence and motion detectors and smoke detectors, Ø 165 mm, height 70 mm | X 165, Z 70 | • | |
| **Push button** | | | | | |
| PUSH BUTTON x2 DALI-2 WH | EP10431609 | 2-way button for DALI-2 | X 71, Y 71, Z 21,5 | • | ★ |
| PUSH BUTTON x4 DALI-2 WH | EP10431616 | 4-way button for DALI-2 | X 71, Y 71, Z 21,5 | • | ★ |
| PUSH BUTTON x6 DALI-2 WH | EP10431623 | 6-way button for DALI-2 | X 71, Y 71, Z 21,5 | • | ★ |
| PUSH BUTTON x8 DALI-2 WH | EP10431630 | 8-way button for DALI-2 | X 71, Y 71, Z 21,5 | • | ★ |
| **Remote control** | | | | | |
| ESY-Pen | EP10425356 | ESY-Pen and ESY-App, two tools for every task: (1) Parameterisation, (2) remote control, (3) light measurement, (4) project management | X 166, Y 24, Z 21,5 | • | |
| REMOTE CONTROL MDi/PDi | EM10425509 | IR remote control for presence detectors and motion detectors | X 100, Y 50, Z 9 | • | |
| REMOTE CONTROL PDi DALI | EP10425899 | IR remote control for DALI presence detectors and motion detectors | X 100, Y 50, Z 9 | • | |
| REMOTE CONTROL PDi/USER | EM10425547 | IR remote control for end users of presence detectors | X 100, Y 50, Z 9 | • | |
| TELESCOPE MAGNET | EC10430022 | Telescope magnet | | • | |

**O**



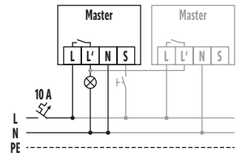

Standard operation.

**S**



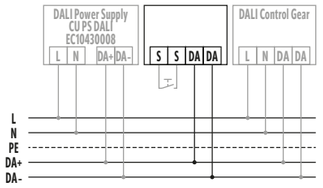

Standard operation with optional control via a closing button and parallel wiring of max. 8 devices

**T**



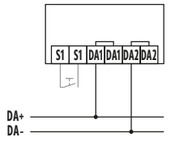

Standard operation with optional control via a closing button and parallel wiring of max. 8 devices

**U**




Standard operation with optional control via a closing button.

**Z**




Standard operation with optional control via a closing button.





INDOOR AUTOMATION

- **Smallest design with a flat lens**

**5 YEARS MANUFACTURER WARRANTY**






The FLAT mini sensors have arguably the most unobtrusive design for an intelligent sensor and are therefore a suitable alternative for rooms where the technology should remain in the background as discreetly as possible. Their tiny housings mean that they retreat unobtrusively into the background, while nevertheless keeping a close eye on everything due to their high-quality sensor technology. At the same time, the particularly simple installation is impressive: Using a spring clamp or locking ring and, if required, through simple integration into brand switches.

Parameterisable with ESY-Pen and ESY-App. More on pages 220 – 221 and at: esylux.com/esy-pen.







# FLAT MINI
# SAVES ENERGY WITHOUT BEING NOTICED

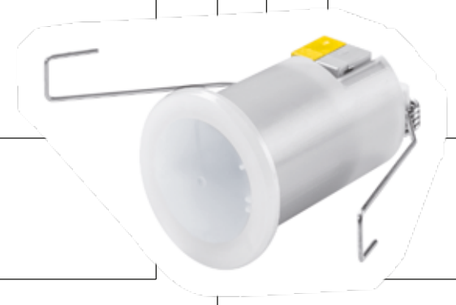
Particularly unobtrusive with a flat lens, an installation height of only 3 mm and a diameter of 33 mm

Immediately ready for use thanks to pre-installed factory settings

Simple programming using remote control

Can be combined with additional FLAT mini detectors to expand the presence detection (master/slave)

Option to extend with DALI switch from ESYLUX for presence-dependent HVAC control



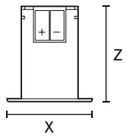
Automatic DALI light control at a constant brightness level, depending on presence and daylight (constant light control)

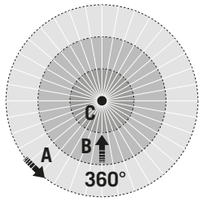
Automatic configuration of light ballasts (DALI Broadcast)

Manual override with DALI push buttons possible

Reduction in light output after expiration of the switch-off delay time to provide an orientation light in hallways and passageways; with integrated switch-off warning

## PRODUCT TYPES




| FIELD OF DETECTION | DETECTION RANGE | |
|---|---|---|
|  | | Ceiling 6 m |
| | Diagonally (A) | Ø 6 m |
| | Frontal (B) | - |
| | Presence area (C) | Ø 2,5 m |



Note: Technical data for specific products can be found at www.esylux.com.

# FLAT MINI

## INDOOR AUTOMATION / PRESENCE AND MOTION DETECTORS

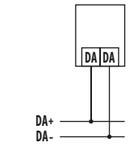
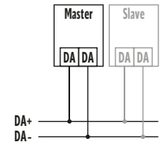


- Particularly unobtrusive with a flat lens, an installation height of only 3 mm and a diameter of 33 mm
- Automatic DALI light control at a constant brightness level, depending on presence and daylight (constant light control)
- Immediately ready for use thanks to pre-installed factory settings
- Automatic configuration of light ballasts (DALI Broadcast)
- Simple programming using remote control
- Manual override with DALI push buttons possible
- Can be combined with additional FLAT mini detectors to expand the presence detection (master/slave)
- Reduction in light output after expiration of the switch-off delay time to provide an orientation light in hallways and passageways; with integrated switch-off warning
- Option to extend with DALI switch from ESYLUX for presence-dependent HVAC control

* With additional DALI actuator ACTUATOR C3/C4 DALI as accessory.

| Product group/product name | Item no. | Detection angle | Detection range | Installation type | Number of light channels | Number of light groups | Function | Constant lighting control | SymbiLogic | Push button input lighting | Adjustable switch-off delay time | Number of HVAC-channels | DALI-2 device type | Push button input HVAC | Protection type | Dimensions (mm) | Circuit diagram | Core portfolio | New product |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Presence detectors / Ceiling mounting / DALI** | | | | | | | | | | | | | | | | | | | |
| **DALI** | | | | | | | | | | | | | | | | | | | |
| PD-FLAT 360i/6 mini DALI (opal matt) | EP10427503 | 360° | Ø 6 m | RM | 1 | | Switching/Regulate | • | | • | | 2 | | | IP55 | X 33, Z 48 | AF | • | |

| Product group/product name | Item no. | Product description | Dimensions (mm) | Core portfolio | New product |
|---|---|---|---|---|---|
| **Accessories** | | | | | |
| **Electrical accessories** | | | | | |
| ACTUATOR FULL AUTO C3 DALI | EP10427473 | Modul for the conversion of bus commands from the DALI presence detector and other light controls into switching signals (fully automatic) | X 45, Y 45, Z 24 | • | |
| ACTUATOR SEMI AUTO C4 DALI | EP10427480 | Modul for the conversion of bus commands from the DALI presence detector and other light controls into switching signals (semi-automatic) | X 45, Y 45, Z 24 | • | |
| POWER SUPPLY 200mA DALI | EC10430008 | 200mA power pack for supplying power to DALI operating units or DALI control modules that do not have their own power supply | X 48, Y 45, Z 25 | • | |
| **Remote control** | | | | | |
| ESY-Pen | EP10425356 | ESY-Pen and ESY-App, two tools for every task: (1) Parameterisation, (2) remote control, (3) light measurement, (4) project management | X 166, Y 24, Z 21,5 | • | |
| REMOTE CONTROL PDi DALI | EP10425899 | IR remote control for DALI presence detectors and motion detectors | X 100, Y 50, Z 9 | • | |
| REMOTE CONTROL PDi/USER | EM10425547 | IR remote control for end users of presence detectors | X 100, Y 50, Z 9 | • | |

| | | |
|---|---|---|
| AF |  |  |
| | Standard operation. | Master/slave connection for presence detectors: a maximum of 8 slave devices may be connected to one master. |

INDOOR AUTOMATION

- **Proven technology and simple installation**
- **Suitable for controlling LED lights**

**3 YEARS MANUFACTURER WARRANTY**




The tried-and-tested technology in the Standard series is suitable for many different applications in buildings. Multiple variants of the presence and motion detector enable flexible application due to the different fields of detection, installation types and further details.

Parameterisable with ESY-Pen and ESY-App. More on pages 220 – 221 and at: esylux.com/esy-pen.





# STANDARD
# FIELD-TESTED AND FUTURE-PROOF



Two-part housing with sensor head and power box for quick and easy installation

Variants for recessed ceiling mounting and flush mounting; surface mounting with accessories

Demand-driven light switching

Setting options using remote control ("i" versions) or adjustment control, e.g. fully automatic/semi-automatic, light values, switch-off delay times and button functions



Optimised for the control of LED lights via high-performance relay with tungsten pre-contact (230 V)

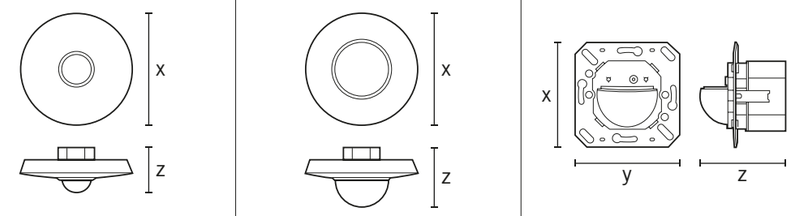
Manual override with staircase lighting function for detectors with push button input

Push terminals with through-wiring option

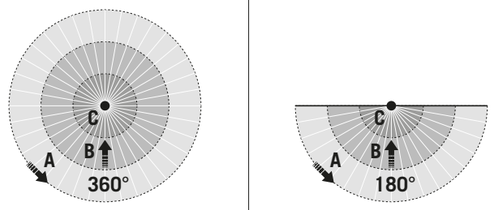
Large wiring space due to low overall height of the power box

Wall-mounted variants compatible with common brands of switch series for a harmonious look

## PRODUCT TYPES




## FIELD OF DETECTION




## DETECTION RANGE

| | Ceiling 8 m | Ceiling 24 m | Wall 16 m |
|---|---|---|---|
| Diagonally (A) | Ø 8 m | Ø 24 m | Ø 16 m |
| Frontal (B) | Ø 4 m | Ø 8 m | Ø 6 m |
| Presence area (C) | Ø 3 m | Ø 6 m | Ø 4 m |

Note: Technical data for specific products can be found at www.esylux.com.

# STANDARD

## INDOOR AUTOMATION / PRESENCE AND MOTION DETECTORS



- Two-part housing with sensor head and power box for quick and easy installation
- Variants for recessed ceiling mounting and flush mounting; surface mounting with accessories
- Demand-driven light switching
- Setting options using remote control ("i" versions) or adjustment control, e.g. fully automatic/semi-automatic, light values, switch-off delay times and button functions
- Optimised for the control of LED lights via high-performance relay with tungsten pre-contact (230 V)
- Manual override with staircase lighting function for detectors with push button input
- Push terminals with through-wiring option
- Large wiring space due to low overall height of the power box
- Wall-mounted variants compatible with common brands of switch series for a harmonious look

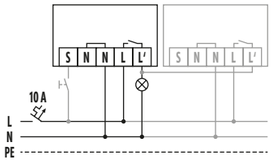
| Product group/product name | Item no. | Detection angle | Detection range | Installation type | Number of light channels | Function | Constant lighting control | Push button input lighting | In-rush current | Adjustable switch-off delay time | Number of HVAC-channels | Push button input HVAC | Slave input | Protection type | Dimensions (mm) | Circuit diagram | Core portfolio | New product |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Motion detectors / Ceiling mounting / ON/OFF** | | | | | | | | | | | | | | | | | | |
| **ON/OFF** | | | | | | | | | | | | | | | | | | |
| MD 360/8 (white, similar to RAL 9010) | EM10055324 | 360° | Ø 8 m | FM | 1 | Switching | | | 100 A / 200 ms | • | | | | IP20 | X 140, Z 63 | AM | • | |
| MD 360i/24 (white, similar to RAL 9010) | EM10055300 | 360° | Ø 24 m | FM | 1 | Switching | | 1 | 450 A / 200 µs | • | | | | IP20 | X 140, Z 75 | AL | • | |
| **Motion detectors / Wall mounting / ON/OFF** | | | | | | | | | | | | | | | | | | |
| **ON/OFF** | | | | | | | | | | | | | | | | | | |
| MD 180i/R (opal matt) | EM10055010 | 180° | Ø 16 m | FM | 1 | Switching | | 1 | 800 A / 200 µs | • | | | • | IP20 | X 70, Y 70, Z 55 | AN | • | |
| **Presence detectors / Ceiling mounting / ON/OFF** | | | | | | | | | | | | | | | | | | |
| **ON/OFF** | | | | | | | | | | | | | | | | | | |
| PD 360/8 Slave (white, similar to RAL 9010) | EM10425028 | 360° | Ø 8 m | FM | | Send values | | | | | | | | IP20 | X 140, Z 63 | AP | • | |
| PD 360i/8 (white, similar to RAL 9010) | EM10425004 | 360° | Ø 8 m | FM | 1 | Switching | | 1 | 800 A / 200 µs | • | 1 | | • | IP20 | X 140, Z 63 | AO | • | |
| PD 360/24 Slave (white, similar to RAL 9010) | EM10425127 | 360° | Ø 24 m | FM | | Send values | | | | | | | | IP20 | X 140, Z 75 | AP | • | |
| PD 360i/24 (white, similar to RAL 9010) | EM10425103 | 360° | Ø 24 m | FM | 1 | Switching | | 1 | 800 A / 200 µs | • | 1 | | • | IP20 | X 140, Z 75 | AO | • | |
| **Presence detectors / Wall mounting / ON/OFF** | | | | | | | | | | | | | | | | | | |
| **ON/OFF** | | | | | | | | | | | | | | | | | | |
| MD/PD 180 Slave (opal matt) | EM10410024 | 180° | Ø 16 m | FM | | Send values | | | | | | | | IP20 | X 70, Y 70, Z 55 | AS | • | |
| PD 180i/R (opal matt) | EM10410017 | 180° | Ø 16 m | FM | 1 | Switching | | 1 | 800 A / 200 µs | • | 1 | | • | IP20 | X 70, Y 70, Z 55 | AR | • | |



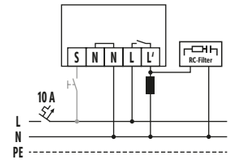


| Product group/product name | Item no. | Product description | Dimensions (mm) | Core portfolio | New product |
|---|---|---|---|---|---|
| **Accessories** | | | | | |
| **Cover** | | | | | |
| COVER BER MOD2 IP20 WH | EP10427138 | Cover for wall detector fits with Berker module 2, IP20, white | X 55, Y 55, Z 27 | • | |
| COVER BER S1 IP20 PWH | EP10427107 | Cover for wall detector fits with Berker S.1, IP20, polar white | X 55, Y 55, Z 27 | • | |
| COVER BUJ REF IP20 WH | EP10427145 | Cover for wall detector fits with Busch-Jäger Reflex, IP20, white | X 55, Y 55, Z 27 | • | |
| COVER ELK RS/PLUS IP20 WH | EM10055270 | Cover for wall detector fits with Elko RS/PLUS, IP20, white | X 56, Y 56, Z 27 | • | |
| COVER GIR S55 IP20 WH | EP10427169 | Cover for wall detector fits with Gira Standard 55, IP20, white | X 55, Y 55, Z 27 | • | |
| COVER IP20 AN | EM10055133 | Cover for wall detectors from the STANDARD series, IP20, anthracite, similar to RAL 7021 | X 87, Y 87, Z 29 | • | |
| COVER IP20 CWH | EM10055126 | Cover for wall detectors from the STANDARD series, IP20, white, similar to RAL 1013 | X 87, Y 87, Z 29 | • | |
| COVER IP20 SR | EM10055140 | Cover for wall detectors from the STANDARD series, IP20, silver | X 87, Y 87, Z 29 | • | |
| COVER IP20 SWH | EM10055119 | Cover for wall detectors from the STANDARD series, IP20, white, similar to RAL 9016 | X 87, Y 87, Z 29 | • | |
| COVER IP20 WH | EM10055102 | Cover for wall detectors from the STANDARD series, IP20, white, similar to RAL 9010 | X 87, Y 87, Z 29 | • | |
| COVER IP44 WH | EM10055157 | Cover for wall detectors from the STANDARD series, IP44, white | X 87, Y 87, Z 67 | • | |
| STANDARD COVER SET 8M WH | EM10425455 | Cover set for STANDARD series, 8 m | X 140, Z 30 | • | |
| **Electrical accessories** | | | | | |
| FILTER 230 V | EP10426988 | Filter for suppression of inductive loads, such as relays, contactors, fluorescent lamps and transformers | X 62, Y 26, Z 10 | • | |
| **Mounting** | | | | | |
| MOUNTING BOX IP44 SM WH | EM10055164 | Surface-mounted box for wall detectors from the STANDARD series, IP44, white | X 87, Y 87, Z 49 | • | |
| STANDARD MOUNTING BOX IP54 SM WH | EM10425400 | Surface-mounted box for the STANDARD series, IP54, white | X 127, Z 21 | • | |
| **Protection** | | | | | |
| BASKET GUARD ROUND LARGE | EM10425608 | Basket guard for presence and motion detectors and smoke detectors, Ø 180 mm, height 90 mm | X 180, Z 90 | • | |
| BASKET GUARD ROUND SMALL | EM10425615 | Basket guard for presence and motion detectors and smoke detectors, Ø 165 mm, height 70 mm | X 165, Z 70 | • | |
| **Remote control** | | | | | |
| ESY-Pen | EP10425356 | ESY-Pen and ESY-App, two tools for every task: (1) Parameterisation, (2) remote control, (3) light measurement, (4) project management | X 166, Y 24, Z 21,5 | • | |
| REMOTE CONTROL MDi/PDi | EM10425509 | IR remote control for presence detectors and motion detectors | X 100, Y 50, Z 9 | • | |

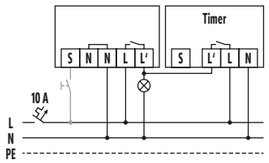
## AL




Standard operation with optional parallel wiring of max. six devices.

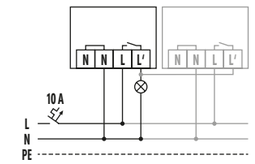



When connecting inductors (e.g. relays, contactors, ballasts) the use of a filter (A) may be necessary.

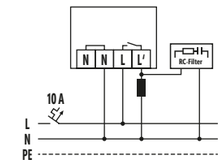



Standard operation with automatic stairwell light.

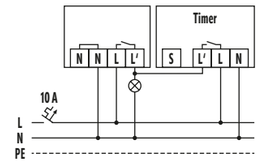
## AM




Standard operation with optional parallel wiring of max. six devices.

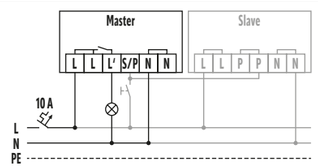



When connecting inductors (e.g. relays, contactors, ballasts) the use of a filter (A) may be necessary.

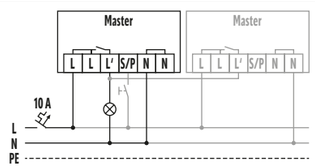



Standard operation with automatic stairwell light.

## AN

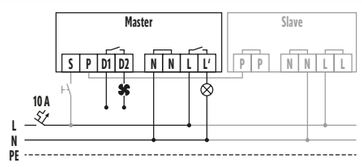



Standard operation with optional control via a closing button. and use of max. six slave devices to one master device.



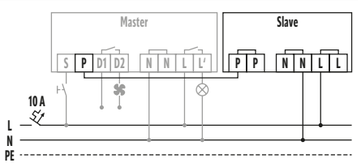

Standard operation with optional control via a closing button and parallel wiring of max. five devices.

## AO




Standard operation with optional control via a closing button. and use of max. six slave devices to one master device.

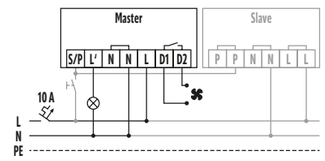
## AP




Master/slave connection for presence detectors: a maximum of 6 slave devices may be connected to one master.

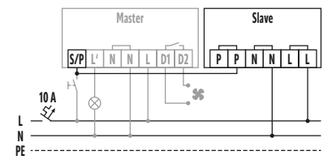


## AR




Standard operation with optional control via a closing button. and use of max. six slave devices to one master device.

## AS




Master/slave connection for presence detectors: a maximum of 6 slave devices may be connected to one master.

- **Optimised for controlling LED lights**
- **High-quality technology at an entry-level price**

**5 YEARS MANUFACTURER WARRANTY**




The BASIC presence and motion detectors offer a simply entry route into demand-driven building automation for intelligent light control. They are particularly suitable for cost-sensitive projects or areas of the building where simple functionality is sufficient — and due to the high-quality PIR and light sensors from ESYLUX still provide quality, energy efficiency and comfort.




Parameterisable with ESY-Pen and ESY-App. More on pages 220 – 221 and at: esylux.com/esy-pen.





# BASIC
# FULL ENERGY EFFICIENCY ON A SMALL BUDGET



Demand-driven lighting switching

Control of LED lights with zero-cross switching (ceiling detector) or tungsten pre-contact (wall detector)

Adjustment options via remote control ("i" versions) or adjustment control, e.g. fully automatic system/semi-automatic system, light values, switch-off delay times or button functions




Switching delay prevents switching errors due to short-term change in brightness

Manual override with stairwell light function on detectors with push button input

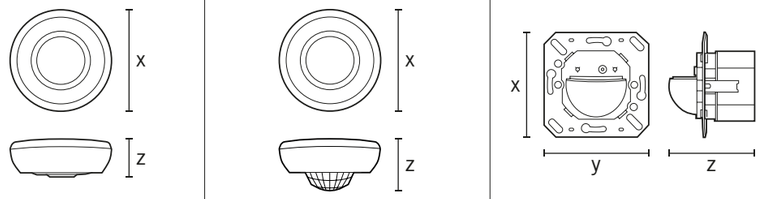
Wide range of installation options (ceiling, surface-mounted box, wall mounting)

Covers and frame for wall detector available as an accessory

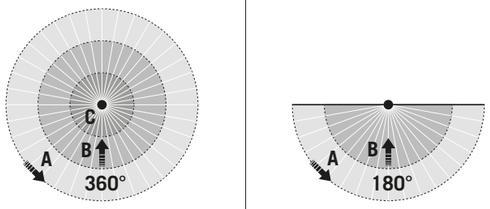
Compatible with conventional brand switch systems for a uniform design

Simple parameterisation, remote control and documentation of remotely controlled variants via ESY-Pen and ESY-App

## PRODUCT TYPES




## FIELD OF DETECTION




## DETECTION RANGE

| | Ceiling 8 m | Ceiling 24 m | Wall 16 m |
|---|---|---|---|
| Diagonally (A) | Ø 8 m | Ø 24 m | Ø 16 m |
| Frontal (B) | Ø 6 m | Ø 11 m | Ø 12 m |
| Presence area (C) | Ø 4 m | Ø 8 m | - |

Note: Technical data for specific products can be found at www.esylux.com.

# BASIC

## INDOOR AUTOMATION / PRESENCE AND MOTION DETECTORS



- Demand-driven lighting switching
- Control of LED lights with zero-cross switching (ceiling detector) or tungsten pre-contact (wall detector)
- Adjustment options via remote control ("i" versions) or adjustment control, e.g. fully automatic system/ semi-automatic system, light values, switch-off delay times or button functions
- Switching delay prevents switching errors due to short-term change in brightness
- Manual override with stairwell light function on detectors with push button input
- Wide range of installation options (ceiling, surface-mounted box, wall mounting)
- Covers and frame for wall detector available as an accessory
- Compatible with conventional brand switch systems for a uniform design
- Simple parameterisation, remote control and documentation of remotely controlled variants via ESY-Pen and ESY-App

| Product group/product name | Item no. | Detection angle | Detection range | Installation type | Number of light channels | Function | Constant lighting control | Push button input lighting | In-rush current | Adjustable switch-off delay time | Number of HVAC-channels | Push button input HVAC | Slave input | Protection type | Dimensions (mm) | Circuit diagram | Core portfolio | New product |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Motion detectors / Ceiling mounting / ON/OFF** | | | | | | | | | | | | | | | | | | |
| **ON/OFF** | | | | | | | | | | | | | | | | | | |
| MD 360/8 BASIC (white, similar to RAL 9010) | EB10430404 | 360° | Ø 8 m | SM | 1 | Switching | | 1 | 78 A / 5 ms | • | | | | IP40 | X 101, Z 33 | V | • | |
| MD 360/8 BASIC FM (white, similar to RAL 9010) | EB10431708 | 360° | Ø 8 m | FM | 1 | Switching | | 1 | 78 A / 5 µs | • | | | | IP40 | X 101, Z 93 | V | • | ★ |
| MD 360/8 BASIC SMB (white, similar to RAL 9010) | EB10430497 | 360° | Ø 8 m | SM | 1 | Switching | | 1 | 78 A / 5 ms | • | | | | IP40 | X 101, Z 50 | V | • | |
| MD 360/8 BASIC IP54 (white, similar to RAL 9010) | EB10431340 | 360° | Ø 8 m | SM | 1 | Switching | | 1 | 78 A / 5 ms | • | | | | IP54 | X 102, Z 51 | V | • | ★ |
| MD 360i/8 BASIC (white, similar to RAL 9010) | EB10430428 | 360° | Ø 8 m | SM | 1 | Switching | | 1 | 78 A / 5 ms | • | | | | IP40 | X 101, Z 33 | V | • | |
| MD 360i/8 BASIC SMB (white, similar to RAL 9010) | EB10430466 | 360° | Ø 8 m | SM | 1 | Switching | | 1 | 78 A / 5 ms | • | | | | IP40 | X 101, Z 50 | V | • | |
| MD 360i/8 BASIC IP54 (white, similar to RAL 9010) | EB10431319 | 360° | Ø 8 m | SM | 1 | Switching | | 1 | 78 A / 5 ms | • | | | | IP54 | X 102, Z 51 | V | • | ★ |
| MD 360/24 BASIC (white, similar to RAL 9010) | EB10430848 | 360° | Ø 24 m | SM | 1 | Switching | | 1 | 78 A / 5 ms | • | | | | IP40 | X 101, Z 53 | V | • | |
| MD 360/24 BASIC FM (white, similar to RAL 9010) | EB10431715 | 360° | Ø 24 m | FM | 1 | Switching | | 1 | 78 A / 5 µs | • | | | | IP40 | X 101, Z 113 | V | • | ★ |
| MD 360/24 BASIC SMB (white, similar to RAL 9010) | EB10430886 | 360° | Ø 24 m | SM | 1 | Switching | | 1 | 78 A / 5 ms | • | | | | IP40 | X 101, Z 73 | V | • | |
| MD 360/24 BASIC IP54 (white, similar to RAL 9010) | EB10431333 | 360° | Ø 24 m | SM | 1 | Switching | | 1 | 78 A / 5 ms | • | | | | IP54 | X 102, Z 71 | V | • | |
| MD 360i/24 BASIC (white, similar to RAL 9010) | EB10430862 | 360° | Ø 24 m | SM | 1 | Switching | | 1 | 78 A / 5 ms | • | | | | IP40 | X 101, Z 53 | V | • | |
| MD 360i/24 BASIC SMB (white, similar to RAL 9010) | EB10430909 | 360° | Ø 24 m | SM | 1 | Switching | | 1 | 78 A / 5 ms | • | | | | IP40 | X 101, Z 73 | V | • | |
| MD 360i/24 BASIC IP54 (white, similar to RAL 9010) | EB10431326 | 360° | Ø 24 m | SM | 1 | Switching | | 1 | 78 A / 5 ms | • | | | | IP54 | X 102, Z 71 | V | • | |
| **Motion detectors / Wall mounting / ON/OFF** | | | | | | | | | | | | | | | | | | |
| **ON/OFF** | | | | | | | | | | | | | | | | | | |
| MD 180i/16 BASIC Set EXX (white, similar to RAL 9010) | EB10430633 | 180° | Ø 16 m | FM | 1 | Switching | | 1 | 800 A / 200 µs | • | | | | IP40 | X 70, Y 70, Z 55 | X | • | |
| MD 180i/16 BASIC Set SKK (white, similar to RAL 9010) | EB10430626 | 180° | Ø 16 m | FM | 1 | Switching | | 1 | 800 A / 200 µs | • | | | | IP40 | X 70, Y 70, Z 55 | X | • | |
| MD 180i/16 BASIC (opal matt) | EB10430459 | 180° | Ø 16 m | FM | 1 | Switching | | 1 | 800 A / 200 µs | • | | | | IP40 | X 70, Y 70, Z 53 | X | • | |
| **Presence detectors / Ceiling mounting / ELC** | | | | | | | | | | | | | | | | | | |
| **ELC** | | | | | | | | | | | | | | | | | | |
| PD 360i/8 BASIC ELC (white, similar to RAL 9010) | EB10431357 | 360° | Ø 8 m | SM | 4 | Switching/Regulate | • | | | • | 2 | | | IP20 | X 101, Z 33 | Y | • | |



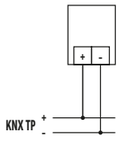


| Product group/product name | Item no. | Detection angle | Detection range | Installation type | Number of light channels | Function | Constant lighting control | Push button input lighting | In-rush current | Adjustable switch-off delay time | Number of HVAC-channels | Push button input HVAC | Slave input | Protection type | Dimensions (mm) | Circuit diagram | Core portfolio | New product |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Presence detectors / Ceiling mounting / KNX** | | | | | | | | | | | | | | | | | | |
| **KNX** | | | | | | | | | | | | | | | | | | |
| PD 360/8 KNX BASIC (white, similar to RAL 9010) | EB10430442 | 360° | Ø 8 m | SM | 1 | Switching | | | | • | | | • | IP40 | X 101, Z 33 | O | • | |
| PD 360/8 BASIC FM KNX (white, similar to RAL 9010) | EB10431746 | 360° | Ø 8 m | RM | 1 | Switching | | | | • | | | • | IP40 | X 101, Z 93 | O | • | ★ |
| **Presence detectors / Ceiling mounting / ON/OFF** | | | | | | | | | | | | | | | | | | |
| **ON/OFF** | | | | | | | | | | | | | | | | | | |
| PD 360i/8 BASIC SMB (white, similar to RAL 9010) | EB10430473 | 360° | Ø 8 m | SM | 1 | Switching | | 1 | 78 A / 5 ms | • | | | | IP40 | X 101, Z 50 | T | • | |
| PD 360i/8 BASIC IP54 (white, similar to RAL 9010) | EB10431272 | 360° | Ø 8 m | SM | 1 | Switching | | 1 | 78 A / 5 ms | • | | | | IP54 | X 102, Z 51 | T | • | ★ |
| PD 360/8 BASIC (white, similar to RAL 9010) | EB10430411 | 360° | Ø 8 m | SM | 1 | Switching | | 1 | 78 A / 5 ms | • | | | | IP40 | X 101, Z 33 | T | • | |
| PD 360/8 BASIC FM (white, similar to RAL 9010) | EB10431722 | 360° | Ø 8 m | FM | 1 | Switching | | 1 | 78 A / 5 µs | • | | | | IP40 | X 101, Z 93 | T | • | ★ |
| PD 360/8 BASIC SMB (white, similar to RAL 9010) | EB10430480 | 360° | Ø 8 m | SM | 1 | Switching | | 1 | 78 A / 5 ms | • | | | | IP40 | X 101, Z 50 | T | • | |
| PD 360/8 BASIC IP54 (white, similar to RAL 9010) | EB10431302 | 360° | Ø 8 m | SM | 1 | Switching | | 1 | 78 A / 5 ms | • | | | | IP54 | X 102, Z 51 | T | • | ★ |
| PD 360i/8 BASIC (white, similar to RAL 9010) | EB10430435 | 360° | Ø 8 m | SM | 1 | Switching | | 1 | 78 A / 5 ms | • | | | | IP40 | X 101, Z 33 | T | • | |
| PD 360/24 BASIC (white, similar to RAL 9010) | EB10430855 | 360° | Ø 24 m | SM | 1 | Switching | | 1 | 78 A / 5 ms | • | | | | IP40 | X 101, Z 53 | W | • | |
| PD 360/24 BASIC FM (white, similar to RAL 9010) | EB10431739 | 360° | Ø 24 m | FM | 1 | Switching | | 1 | 78 A / 5 µs | • | | | | IP40 | X 101, Z 113 | W | • | ★ |
| PD 360/24 BASIC SMB (white, similar to RAL 9010) | EB10430893 | 360° | Ø 24 m | SM | 1 | Switching | | 1 | 78 A / 5 ms | • | | | | IP40 | X 101, Z 73 | W | • | |
| PD 360/24 BASIC IP54 (white, similar to RAL 9010) | EB10431289 | 360° | Ø 24 m | SM | 1 | Switching | | 1 | 78 A / 5 ms | • | | | | IP54 | X 102, Z 71 | W | • | |
| PD 360i/24 BASIC (white, similar to RAL 9010) | EB10430879 | 360° | Ø 24 m | SM | 1 | Switching | | 1 | 78 A / 5 ms | • | | | | IP40 | X 101, Z 53 | W | • | |
| PD 360i/24 BASIC SMB (white, similar to RAL 9010) | EB10430916 | 360° | Ø 24 m | SM | 1 | Switching | | 1 | 78 A / 5 ms | • | | | | IP40 | X 101, Z 73 | W | • | |
| PD 360i/24 BASIC IP54 (white, similar to RAL 9010) | EB10431296 | 360° | Ø 24 m | SM | 1 | Switching | | 1 | 78 A / 5 ms | • | | | | IP54 | X 102, Z 71 | W | • | |

| Product group/product name | Item no. | Product description | Dimensions (mm) | Core portfolio | New product |
|---|---|---|---|---|---|
| **Accessories** | | | | | |
| **Accessories** | | | | | |
| BASIC MOUNTING BOX IP20 SM WH | EB10423147 | Surface-mounted box for BASIC series, IP20, white | X 102, Z 29 | • | |
| **Adapter** | | | | | |
| BASIC SPACER WH | EB10423130 | Spacer for BASIC series, white, compatible with BASIC IP40 variants | X 78,2, Y 27, Z 16 | • | |
| **Cover** | | | | | |
| BASIC 24 LENS MASK | EB10423109 | Lens mask 24/32 m | X 68, Z 25 | • | |
| BASIC 8 LENS MASK | EB10423093 | Lens mask 8 m | X 47, Z 7,2 | • | |
| BASIC IP54 24 LENS MASK | EB10423505 | Lens mask 24 m IP54 | X 60, Z 25 | • | |
| BASIC IP54 8 LENS MASK | EB10423512 | Lens mask 8 m IP54 | X 40, Z 7 | • | |
| COVER BER MOD2 IP20 WH | EP10427138 | Cover for wall detector fits with Berker module 2, IP20, white | X 55, Y 55, Z 27 | • | |
| COVER BER S1 IP20 PWH | EP10427107 | Cover for wall detector fits with Berker S.1, IP20, polar white | X 55, Y 55, Z 27 | • | |
| COVER BUJ REF IP20 WH | EP10427145 | Cover for wall detector fits with Busch-Jäger Reflex, IP20, white | X 55, Y 55, Z 27 | • | |
| COVER ELK RS/PLUS IP20 WH | EM10055270 | Cover for wall detector fits with Elko RS/PLUS, IP20, white | X 56, Y 56, Z 27 | • | |
| COVER GIR S55 IP20 WH | EP10427169 | Cover for wall detector fits with Gira Standard 55, IP20, white | X 55, Y 55, Z 27 | • | |

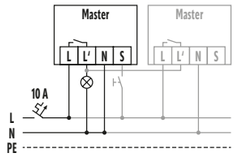
| Product group/product name | Item no. | Product description | Dimensions (mm) | Core portfolio | New product |
|---|---|---|---|---|---|
| COVER IP20 AN | EM10055133 | Cover for wall detectors from the STANDARD series, IP20, anthracite, similar to RAL 7021 | X 87, Y 87, Z 29 | • | |
| COVER IP20 CWH | EM10055126 | Cover for wall detectors from the STANDARD series, IP20, white, similar to RAL 1013 | X 87, Y 87, Z 29 | • | |
| COVER IP20 SR | EM10055140 | Cover for wall detectors from the STANDARD series, IP20, silver | X 87, Y 87, Z 29 | • | |
| COVER IP20 SWH | EM10055119 | Cover for wall detectors from the STANDARD series, IP20, white, similar to RAL 9016 | X 87, Y 87, Z 29 | • | |
| COVER IP20 WH | EM10055102 | Cover for wall detectors from the STANDARD series, IP20, white, similar to RAL 9010 | X 87, Y 87, Z 29 | • | |
| COVER IP44 WH | EM10055157 | Cover for wall detectors from the STANDARD series, IP44, white | X 87, Y 87, Z 67 | • | |
| **Electrical accessories** | | | | | |
| FILTER 230 V | EP10426988 | Filter for suppression of inductive loads, such as relays, contactors, fluorescent lamps and transformers | X 62, Y 26, Z 10 | • | |
| **Mounting** | | | | | |
| MOUNTING SET IP20 FM 62 WH | EP10425929 | Recessed ceiling mounting set includes installation bracket and dust-protected box, 62 mm | X 63, Z 62 | • | |
| **Protection** | | | | | |
| BASKET GUARD ROUND LARGE | EM10425608 | Basket guard for presence and motion detectors and smoke detectors, Ø 180 mm, height 90 mm | X 180, Z 90 | • | |
| BASKET GUARD ROUND SMALL | EM10425615 | Basket guard for presence and motion detectors and smoke detectors, Ø 165 mm, height 70 mm | X 165, Z 70 | • | |
| **Remote control** | | | | | |
| ESY-Pen | EP10425356 | ESY-Pen and ESY-App, two tools for every task: (1) Parameterisation, (2) remote control, (3) light measurement, (4) project management | X 166, Y 24, Z 21,5 | • | |
| REMOTE CONTROL MDi/PDi | EM10425509 | IR remote control for presence detectors and motion detectors | X 100, Y 50, Z 9 | • | |

**O**



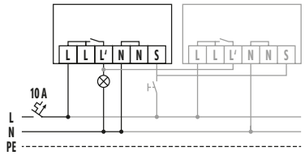

Standard operation.

**T**



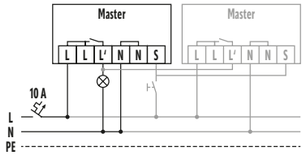

Standard operation with optional control via a closing button and parallel wiring of max. 8 devices

**V**



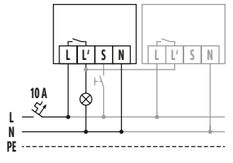

Standard with optional control via a closing button and parallel wiring of max. 8 devices.

**W**



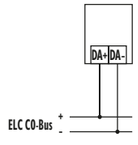

Standard with optional control via a closing button and parallel wiring of max. six devices.

**X**



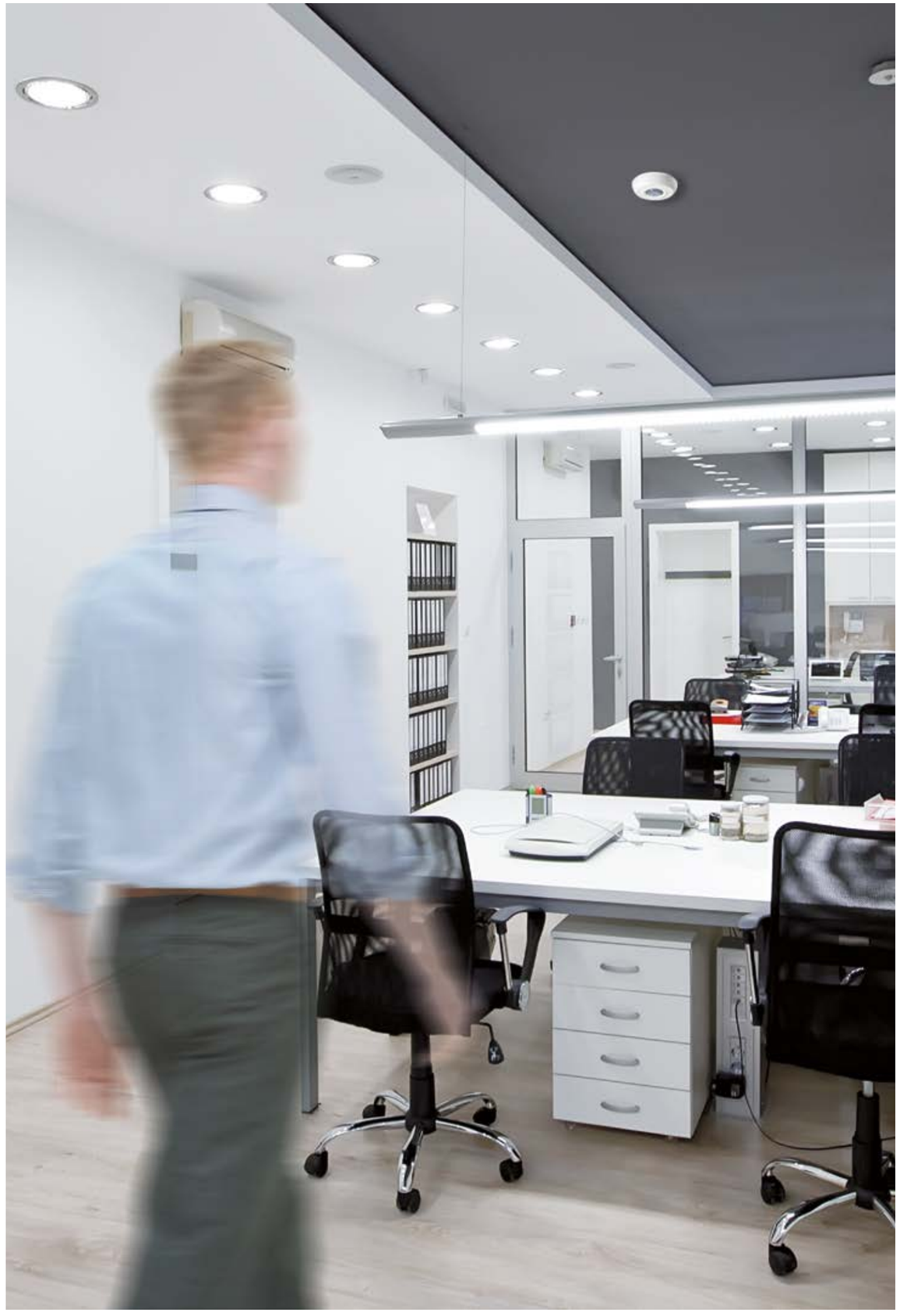

Standard with optional control via a closing button and parallel wiring of max. six devices.

**Y**




Standard operation.





- **High-quality technology at an entry-level price**
- **Fast recessed ceiling mounting without accessories**
- **Discreet appearance thanks to installation flush to the ceiling**




The presence and motion detectors in the BASIC EXPRESS series provide a simple entry point for intelligent, demand-driven light control. Their one-piece housing allows for fast, flush-mounted installation in suspended ceilings. Zero-cross switching means the relay is protected when the LED lighting is switched, improving energy efficiency and convenience even when the budget is limited – or in building areas where simpler functionality is sufficient.





# BASIC EXPRESS
# SIMPLE ENERGY EFFICIENCY FOR CEILING SYSTEMS



Demand-driven switching of lighting

Zero-cross switching for LED lighting to protect the relay

Push button input

Protection type IP23

Easy to configure via remote control or using the ESY-Pen and ESY-App



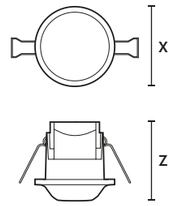
Flush-mounted installation in suspended ceilings without accessories

Switching delay prevents switching faults caused by temporary changes in brightness

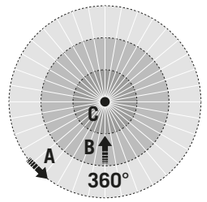
Through-wiring with double diaphragm cable entry for cables up to 2.5 mm²

Ready for use immediately with factory settings

## PRODUCT TYPES




## FIELD OF DETECTION




## DETECTION RANGE

| | Ceiling 8 m |
|---|---|
| Diagonally (A) | Ø 8 m |
| Frontal (B) | Ø 5 m |
| Presence area (C) | Ø 4 m |

Note: Technical data for specific products can be found at www.esylux.com.

# BASIC EXPRESS

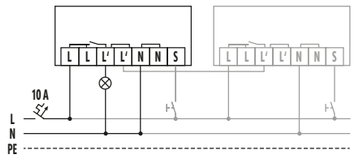
## INDOOR AUTOMATION / PRESENCE AND MOTION DETECTORS



- Demand-driven switching of lighting
- Flush-mounted installation in suspended ceilings without accessories
- Zero-cross switching for LED lighting to protect the relay
- Switching delay prevents switching faults caused by temporary changes in brightness
- Push button input
- Through-wiring with double diaphragm cable entry for cables up to 2.5 mm²
- Protection type IP23
- Ready for use immediately with factory settings
- Easy to configure via remote control or using the ESY-Pen and ESY-App

| Product group/product name | Item no. | Detection angle | Detection range | Installation type | Number of light channels | Function | Constant lighting control | Push button input lighting | In-rush current | Adjustable switch-off delay time | Number of HVAC-channels | Push button input HVAC | Slave input | Protection type | Dimensions (mm) | Circuit diagram | Core portfolio | New product |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Motion detectors / Ceiling mounting / ON/OFF** | | | | | | | | | | | | | | | | | | |
| **ON/OFF** | | | | | | | | | | | | | | | | | | |
| BASIC EXPRESS MD 360° 08 IR 1C FM IP23 WH (white, similar to RAL 9010) | EB10431777 | 360° | Ø 8 m | RM | | Switching | | 1 | 78 A / 5 µs | | | | | IP23 | X79, Z79 | CY | • | ★ |
| 10x BASIC EXPRESS MD 360° 08 IR 1C FM IP23 WH (white, similar to RAL 9010) | EB10431791 | 360° | Ø 8 m | RM | | Switching | | 1 | 78 A / 5 µs | | | | | IP23 | X79, Z79 | CY | • | ★ |
| **Presence detectors / Ceiling mounting / ON/OFF** | | | | | | | | | | | | | | | | | | |
| **ON/OFF** | | | | | | | | | | | | | | | | | | |
| BASIC EXPRESS PD 360° 08 IR 1C FM IP23 WH (white, similar to RAL 9010) | EB10431784 | 360° | Ø 8 m | RM | | Switching | • | 1 | 78 A / 5 µs | | | | | IP23 | X79, Z79 | CY | • | ★ |
| 10x BASIC EXPRESS PD 360° 08 IR 1C FM IP23 WH (white, similar to RAL 9010) | EB10431807 | 360° | Ø 8 m | RM | | Switching | • | 1 | 78 A / 5 µs | | | | | IP23 | X79, Z79 | CY | • | ★ |

CY




Standard with optional control via a closing button and parallel wiring of max. 8 devices.







INDOOR AUTOMATION

- **Smallest design with a flat lens**

**5 YEARS MANUFACTURER WARRANTY**



The LS FLAT mini KNX dimmer switch ensures that a better level of individuality, flexibility and energy efficiency can be achieved for any KNX lighting control system. Hidden in a tiny housing, its light measurement can be used to switch, regulate or control two separate light channels. It can align two external light values with its own value, thereby providing almost unlimited possibilities for multi-point measurements and cascading.





INDOOR AUTOMATION / BRIGHTNESS CONTROLLER

# FLAT MINI
# SAVES ENERGY WITHOUT BEING NOTICED

Switches, controls and regulates up to two separate light channels

Extensive measuring range of the internal light sensor of up to 10,000 lux

Light channels can be configured extensively

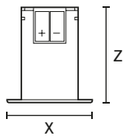
Can be combined with presence and motion detectors as well as additional light sensors for optimal control and regulation of large or complex room situations

Flat lens with an installation height of only 3 mm and a diameter of 33 mm

With orientation light and twilight switch function



## PRODUCT TYPES




Note: Technical data for specific products can be found at www.esylux.com.

# FLAT MINI

## INDOOR AUTOMATION / BRIGHTNESS CONTROLLER

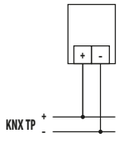


- Switches, controls and regulates up to two separate light channels
- Can be combined with presence and motion detectors as well as additional light sensors for optimal control and regulation of large or complex room situations
- Extensive measuring range of the internal light sensor of up to 10,000 lux
- Flat lens with an installation height of only 3 mm and a diameter of 33 mm
- Light channels can be configured extensively
- With orientation light and twilight switch function

| Product group/product name | Item no. | Detection angle | Detection range | Installation type | Number of light channels | Function | Constant lighting control | Push button input lighting | In-rush current | Adjustable switch-off delay time | Number of HVAC-channels | Push button input HVAC | Slave input | Protection type | Dimensions (mm) | Circuit diagram | Core portfolio | New product |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Brightness controller / Ceiling mounting / KNX** | | | | | | | | | | | | | | | | | | |
| **KNX** | | | | | | | | | | | | | | | | | | |
| LS FLAT mini KNX (opal matt) | ED10429002 | | | RM | 2 | Switching/Regulate | • | | | | | | | IP55 | X 33, Z 48 | 0 | • | |

| Product group/product name | Item no. | Product description | Dimensions (mm) | Core portfolio | New product |
|---|---|---|---|---|---|
| **Accessories** | | | | | |
| **Adapter** | | | | | |
| COMPACT MINI SPOTLIGHT ADAPTER 51/25 | EP10426391 | Adapter for COMPACT MINI (8 m and 12 m) series for installing motion and presence detectors in spotlights (illuminant size QR-CBC51-Ø 51 mm) with retaining ring | X 51, Z 3 | • | |

0




Standard operation.



- **ELC lights and ELC sensor systems are quick to connect via plug-and-play**
- **Lights can be grouped, scaled and networked via plug-and-play**
- **Immediate commissioning without programming**

**5 YEARS MANUFACTURER WARRANTY**

The SMARTDRIVER-2 is an integrated control unit for system lights with ESYLUX Light Control (ELC) that enables easy room-by-room modernisation using plug-and-play, without any programming effort. The system lights combine ELC control units, ELC sensor systems, ELC ceiling lights and cabling to implement presence- and daylight-dependent lighting. These system lights also meet the highest standards for energy-efficient human centric lighting with SymbiLogic technology. Lights manufactured by third parties can also be integrated into and controlled by the system.




Parameterisable with ESY-Pen and ESY-App. More on pages 220 – 221 and at: esylux.com/esy-pen.





INDOOR AUTOMATION / CONTROLS

# SMARTDRIVER-2
# ROOM-BY-ROOM CONTROL FOR THE BEST TASK LIGHT

ELC control unit with compact, easy-to-install housing for room-by-room modernisation via plug-and-play

Variable current output and adapter for integrating and controlling any other types of light

Simple grouping via plug connection

Two inputs for conventional 230-V buttons

Presence-dependent HVAC switching via a DALI actuator (accessory)



Variants for energy-efficient human centric lighting (SymbiLogic) and presence- and daylight- dependent constant light control

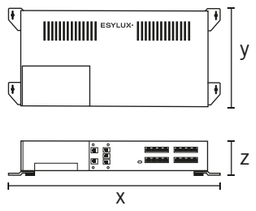
Quick and easy scaling to different room sizes

Intuitive ESYLUX multifunction button (accessory)

Two DALI control outputs for additional DALI lights (includes DT8)

Variants with integrated module for direct integration into KNX building automation (without separate KNX DALI gateway)

## PRODUCT TYPES




Note: Technical data for specific products can be found at www.esylux.com.

# SMARTDRIVER-2

## INDOOR AUTOMATION / CONTROLS

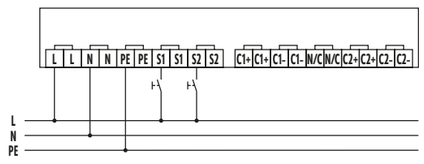


- ELC control unit with compact, easy-to-install housing for room-by-room modernisation via plug-and-play
- Variants for energy-efficient human centric lighting (SymbiLogic) and presence- and daylight- dependent constant light control
- Variable current output and adapter for integrating and controlling any other types of light
- Quick and easy scaling to different room sizes
- Simple grouping via plug connection
- Intuitive ESYLUX multifunction button (accessory)
- Two inputs for conventional 230-V buttons
- Two DALI control outputs for additional DALI lights (includes DT8)
- Presence-dependent HVAC switching via a DALI actuator (accessory)
- Variants with integrated module for direct integration into KNX building automation (without separate KNX DALI gateway)

| Product group/product name | Item no. | Number of light channels | Number of outputs luminaires ELC | Number of outputs luminaires DALI | Number of control units per grou | Number of HVAC-channels | Orientation light | Constant lighting control | Orientation light duration or time | HCL-lighting control | Push button input lighting | Number of scenes | BT (Bluetooth) | KNX | ELC | Dimensions (mm) | Circuit diagram | Core portfolio | New product |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Controls / ELC** | | | | | | | | | | | | | | | | | | | |
| SMARTDRIVER-2 IR 4C+2 x4 ELC (white) | EC10431401 | 4 | 4 | 2 | 20 | 2 | 10 – 50 % | • | • | | 2 | 4 | | | • | X 555, Y 262, Z 85 | CK | • | ★ |
| SMARTDRIVER-2 IR 4C+2 x4 ELC KNX (white) | EC10431449 | 4 | 4 | 2 | 20 | 2 | 10 – 50 % | • | • | | 2 | 4 | | • | • | X 555, Y 262, Z 85 | CL | | |
| SMARTDRIVER-2 IR 4C+2 x8 ELC (white) | EC10431425 | 4 | 8 | 2 | 10 | 2 | 10 – 50 % | • | • | | 2 | 4 | | | • | X 555, Y 262, Z 85 | CK | • | ★ |
| SMARTDRIVER-2 IR 4C+2 x8 ELC KNX (white) | EC10431432 | 4 | 8 | 2 | 10 | 2 | 10 – 50 % | • | • | | 2 | 4 | • | • | • | X 555, Y 262, Z 85 | CL | | |
| SMARTDRIVER-2 TW IR 2C+2 x4 ELC (white) | EC10431418 | 2 | 4 | 2 | 10 | 2 | 10 – 50 % | • | • | • | 2 | 13 | | | • | X 555, Y 262, Z 85 | CK | • | ★ |
| SMARTDRIVER-2 TW IR 2C+2 x4 ELC KNX (white) | EC10431470 | 2 | 4 | 2 | 10 | 2 | 10 – 50 % | • | • | • | 2 | 13 | • | • | • | X 555, Y 262, Z 85 | CL | | |
| SMARTDRIVER-2 TW IR 2C+2 x6 ELC (white) | EC10431487 | 2 | 6 | 2 | 6 | 2 | 10 – 50 % | • | • | • | 2 | 13 | | | • | X 555, Y 262, Z 85 | CK | • | ★ |
| SMARTDRIVER-2 TW IR 2C+2 x6 ELC KNX (white) | EC10431456 | 2 | 6 | 2 | 6 | 2 | 10 – 50 % | • | • | • | 2 | 13 | • | • | • | X 555, Y 262, Z 85 | CL | | |
| SMARTDRIVER-2 TW IR 2C+2 x8 ELC (white) | EC10431494 | 2 | 8 | 2 | 5 | 2 | 10 – 50 % | • | • | • | 2 | 13 | | | • | X 555, Y 262, Z 85 | CK | • | ★ |
| SMARTDRIVER-2 TW IR 2C+2 x8 ELC KNX (white) | EC10431463 | 2 | 8 | 2 | 5 | 2 | 10 – 50 % | • | • | • | 2 | 13 | • | • | • | X 555, Y 262, Z 85 | CL | | |

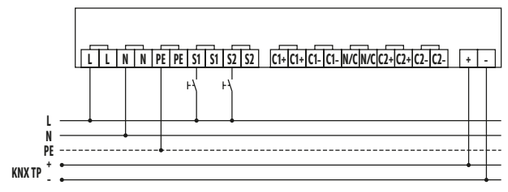
| Product group/product name | Item no. | Product description | Dimensions (mm) | Core portfolio | New product |
|---|---|---|---|---|---|
| **Cable** | | | | | |
| CABLE RJ10 10m WH | EC10431500 | Connection cable RJ10, 10 m | X 10000 | • | ★ |
| CABLE RJ10-OPEN END 10m WH | EC10431517 | Connection cable RJ10 Open end, 10 m | X 10000 | • | ★ |
| CABLE RJ11 10m WH | EC10431524 | Connection cable RJ11, 10 m, white | X 10000 | • | ★ |
| CABLE RJ45 10m BL | EQ10019999 | Connection cable RJ45, 10 m, blue | X 10000 | • | |
| CABLE RJ45 10m RD | EQ10020155 | Connection cable RJ45, 10 m, red | X 10000 | • | |
| CABLE RJ45 10m WH | EC10430749 | Connection cable RJ45, 10 m, white | X 10000 | • | |
| CABLE RJ45 3m BL | EC10431548 | Connection cable RJ45, 3 m, blue | X 3000 | • | ★ |
| CABLE RJ45 3m RD | EC10431555 | Connection cable RJ45, 3 m, red | X 3000 | • | ★ |
| CABLE RJ45 3m WH | EC10431531 | Connection cable RJ45, 3 m, white | X 3000 | • | ★ |
| CABLE RJ45 5m BL | EQ10019982 | Connection cable RJ45, 5 m, blue | X 5000 | • | |
| CABLE RJ45 5m RD | EQ10019890 | RJ45 connection cable, 5 m, red | X 5000 | • | |
| CABLE RJ45 5m WH | EC10430695 | Connection cable RJ45, 5 m, white | X 5000 | • | |
| FERRITE-SET x4 | EC10429972 | Set of 4 ferrite cores (folding ferrite) for shielding up to two RJ45 cables per ferrite core on the SMARTDRIVER-2 | X 40, Y 24, Z 20 | • | ★ |
| CABLE-SET-2 RJ45 10m TW x4 | EC10431951 | Connection cable set for SMARTDRIVER x4 TW series | X 10000 | • | ★ |
| CABLE-SET-2 RJ45 10m TW x6 | EC10431975 | Connection cable set for SMARTDRIVER x6 TW series | X 10000 | • | ★ |
| CABLE-SET-2 RJ45 10m TW x8 | EC10431999 | Connection cable set for SMARTDRIVER x8 TW series | X 10000 | • | ★ |
| CABLE-SET-2 RJ45 10m x4 | EC10431913 | Connection cable set for SMARTDRIVER x4 series | X 10000 | • | ★ |
| CABLE-SET-2 RJ45 10m x8 | EC10431937 | Connection cable set for SMARTDRIVER x8 series | X 10000 | • | ★ |
| CABLE-SET-2 RJ45 5m TW x4 | EC10431944 | Connection cable set for SMARTDRIVER x4 TW series | X 5000 | • | ★ |
| CABLE-SET-2 RJ45 5m TW x6 | EC10431968 | Connection cable set for SMARTDRIVER x6 TW series | X 5000 | • | ★ |
| CABLE-SET-2 RJ45 5m TW x8 | EC10431982 | Connection cable set for SMARTDRIVER x8 TW series | X 5000 | • | ★ |
| CABLE-SET-2 RJ45 5m x4 | EC10431906 | Connection cable set for SMARTDRIVER x4 series | X 5000 | • | ★ |
| CABLE-SET-2 RJ45 5m x8 | EC10431920 | Connection cable set for SMARTDRIVER x8 series | X 5000 | • | ★ |
| **Electrical accessories** | | | | | |
| ACTUATOR FULL AUTO C3 DALI | EP10427473 | Modul for the conversion of bus commands from the DALI presence detector and other light controls into switching signals (fully automatic) | X 45, Y 45, Z 24 | • | |
| ACTUATOR SEMI AUTO C4 DALI | EP10427480 | Modul for the conversion of bus commands from the DALI presence detector and other light controls into switching signals (semi-automatic) | X 45, Y 45, Z 24 | • | |
| **Push button** | | | | | |
| PUSH BUTTON x4 PATIENT ROOM ELC | EC10431258 | DALI 4-way push button | X 71, Y 71, Z 21,5 | • | |
| PUSH BUTTON x8 CLASSROOM ELC | EC10431241 | DALI 8-way push button | X 71, Y 71, Z 21,5 | • | |
| PUSH BUTTON x8 ELC | EC10430923 | DALI 8-way push button | X 71, Y 71, Z 21,5 | • | |
| PUSH BUTTON x8 PATIENT ROOM ELC | EC10431265 | DALI 8-way push button | X 71, Y 71, Z 21,5 | • | |
| PUSH BUTTON x8 TW ELC | EC10430930 | DALI 8 x push button Tunable White | X 71, Y 71, Z 21,5 | • | |

CK




Standard operation.

CL




Standard operation.





INDOOR AUTOMATION

3 YEARS MANUFACTURER WARRANTY



The Protector series provides comprehensive protection against typical hazards in buildings.





# PROTECTOR
# SMART TECHNOLOGY FOR SUSTAINABLE SAFETY

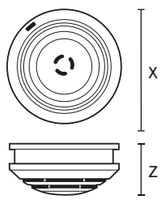


Smoke detector

Universal compatibility due to stand-alone mounting or networking



## PRODUCT TYPES




Note: Technical data for specific products can be found at www.esylux.com.

# PROTECTOR

## INDOOR AUTOMATION / SMOKE ALARM

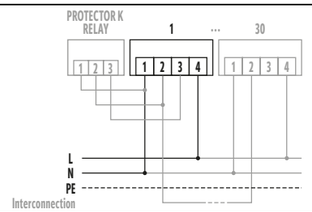


- Smoke detector
- Universal compatibility due to stand-alone mounting or networking

| Product group/product name | Item no. | Installation type | 230 V (ON / OFF) | 1 - 10 V | DALI | ELC | BT (Bluetooth) | KNX | UC / 12 - 36 V | Dimensions (mm) | Circuit diagram | Core portfolio | New product |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Smoke alarm / Ceiling mounting / ON/OFF** | | | | | | | | | | | | | |
| PROTECTOR K 230 V ~ (white, similar to RAL 9010) | ER10018916 | Surface mounted (plaster) | | | | | | | | X 106, Z 48 | CN | • | |

| Product group/product name | Item no. | Product description | Dimensions (mm) | Core portfolio | New product |
|---|---|---|---|---|---|
| **Electrical accessories** | | | | | |
| PROTECTOR K 230 V FILTER | ER10019098 | Filter for PROTECTOR K series to prevent network interference, 230 V ~ | X 106, Z 27 | • | |
| PROTECTOR K RELAY | ER10018923 | Switching relay for PROTECTOR K series for triggering external devices such as sounders, flash lights and alarm horns | X 41, Y 28, Z 23 | • | |
| **Mounting** | | | | | |
| PROTECTOR K MOUNTING BOX 20 SM WH | ER10018992 | Surface-mounted box for PROTECTOR K series, 20 mm | X 106, Z 20 | • | |
| PROTECTOR K MOUNTING BOX 27 SM WH | ER10018985 | Surface-mounted box for PROTECTOR K series, 27 mm | X 106, Z 27 | • | |
| **Protection** | | | | | |
| BASKET GUARD ROUND LARGE | EM10425608 | Basket guard for presence and motion detectors and smoke detectors, Ø 180 mm, height 90 mm | X 180, Z 90 | • | |
| BASKET GUARD ROUND SMALL | EM10425615 | Basket guard for presence and motion detectors and smoke detectors, Ø 165 mm, height 70 mm | X 165, Z 70 | • | |

CN




230-V connection. Also available networking with max. 30 detectors (max. line length 300 m) and PROTECTOR K relay.



# ESYLUX LIGHT CONTROL ELC
# INTELLIGENT LIGHTING SYSTEMS

- **Pre-configured, ready-to-install ELC integrated solution with plug-and-play installation**
- **Smart factory settings for immediate commissioning**
- **Variant with SymbiLogic technology for energy-efficient Human Centric Lighting**

**5 YEARS MANUFACTURER WARRANTY**




Plug-and-play lighting solutions with no programming required

Simply install, group and scale using plug-and-play

Long lifetime due to positioning of LEDs on rear

Alternative: fixed Colour temperature 4000 K (constant lighting control)

Suitable for computer workstations (UGR ≤ 19)

Ready-to-install integrated solution for rooms up to approx. 20 m² in area: 4x LED recessed lights for ceiling systems, sensors, control unit, cable (please note any special features and restrictions imposed by the ceiling system manufacturer

Up to 60 % reduction in installation time

Cost-efficient: Price per square metre from EUR 60 incl. SymbiLogic technology for energy-efficient human centric lighting (Colour temperature: Tunable White, 2700 – 6500 K)

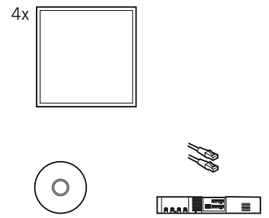
Flicker-free light for healthy and fatigue-free working

Available for different system dimensions

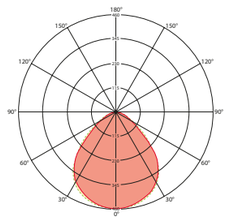
The ELC lighting systems are an ideal solution for workplace lighting in office buildings, educational and healthcare facilities. The sets are installed by plug-and-play with no programming required. The combination of the master and slave luminaires with directly integrated sensors and control unit delivers high-quality lighting with intelligent, presence and daylight dependent control — and at the highest configuration level it produces the biologically effective light of the SymbiLogic technology.

Parameterisable with ESY-Pen and ESY-App. More on pages 220 – 221 and at: esylux.com/esy-pen.

## PRODUCT TYPES

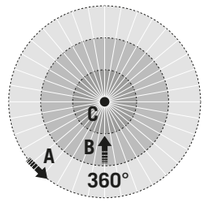



## LIGHT DISTRIBUTION




C0, C90, C0 / C90

## FIELD OF DETECTION




## DETECTION RANGE

| | Ceiling 8 m | Ceiling 24 m |
|---|---|---|
| Diagonally (A) | Ø 8 m | Ø 24 m |
| Frontal (B) | Ø 6 m | Ø 11 m |
| Presence area (C) | Ø 4 m | Ø 8 m |

Note: Technical data for specific products can be found at www.esylux.com.

# ESYLUX LIGHT CONTROL ELC

## INDOOR LIGHTING / PRE-CONFIGURED LIGHTING SYSTEMS FOR OFFICES



- Plug-and-play lighting solutions with no programming required
- Ready-to-install integrated solution for rooms up to approx. 20 $m^2$ in area: 4x LED recessed lights for ceiling systems, sensors, control unit, cable (please note any special features and restrictions imposed by the ceiling system manufacturer
- Simply install, group and scale using plug-and-play
- Up to 60 % reduction in installation time
- Long lifetime due to positioning of LEDs on rear
- Cost-efficient: Price per square metre from EUR 60 incl. SymbiLogic technology for energy-efficient human centric lighting (Colour temperature: Tunable White, 2700 – 6500 K)
- Alternative: fixed Colour temperature 4000 K (constant lighting control)
- Flicker-free light for healthy and fatigue-free working
- Suitable for computer workstations (UGR ≤ 19)
- Available for different system dimensions
- Also suitable for recessed ceiling mounting or surface ceiling mounting with accessories

| Product group/product name | Item no. | Light colour (IEC 1231) | Luminous flux | Rated output P | Luminous efficacy | Unified Glare Rating | Glare suppression | Diffuser | Protection type | Control system | BT (Bluetooth) | Sensor | Energy efficiency class | Dimensions (mm) | Circuit diagram | Core portfolio | New product |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **CELINE-2 / 2700 - 6500 K / 600 x 600 mm** | | | | | | | | | | | | | | | | | |
| QUADRO-SET CELINE-2 HCL 600 DDP OP 8TW IR ELC (white, similar to RAL 9016) | EQ10132438 | 8TW | 16000 lm | 132 W | 121 lm/W | ≤ 19 | DDP | OP | IP20 | ELC | | • | LED EEI E | X 596, Y 596, Z 65 | | | ★ |
| QUADRO-SET CELINE-2 HCL 600 DDP TR 8TW IR ELC (white, similar to RAL 9016) | EQ10132452 | 8TW | 17600 lm | 132 W | 133 lm/W | ≤ 19 | DDP | TR | IP20 | ELC | | • | LED EEI E | X 596, Y 596, Z 65 | | | ★ |
| **CELINE-2 / 4000 K / 600 x 600 mm** | | | | | | | | | | | | | | | | | |
| QUADRO-SET CELINE-2 600 DDP OP 840 IR ELC (white, similar to RAL 9016) | EQ10132421 | 840 | 16800 lm | 132 W | 127 lm/W | ≤ 19 | DDP | OP | IP20 | ELC | | • | LED EEI E | X 596, Y 596, Z 65 | | | ★ |
| QUADRO-SET CELINE-2 600 DDP TR 840 IR ELC (white, similar to RAL 9016) | EQ10132445 | 840 | 18400 lm | 132 W | 139 lm/W | < 19 | DDP | TR | IP20 | ELC | | • | LED EEI E | X 596, Y 596, Z 65 | | | ★ |

| Product group/product name | Item no. | Product description | Dimensions (mm) | Core portfolio | New product |
|---|---|---|---|---|---|
| **Accessories** | | | | | |
| **Cable** | | | | | |
| CABLE RJ10 10m WH | EC10431500 | Connection cable RJ10, 10 m | X 10000 | • | ★ |
| CABLE RJ10-OPEN END 10m WH | EC10431517 | Connection cable RJ10 Open end, 10 m | X 10000 | • | ★ |
| CABLE RJ11 10m WH | EC10431524 | Connection cable RJ11, 10 m, white | X 10000 | • | ★ |
| **Electrical accessories** | | | | | |
| ACTUATOR FULL AUTO C3 DALI | EP10427473 | Modul for the conversion of bus commands from the DALI presence detector and other light controls into switching signals (fully automatic) | X 45, Y 45, Z 24 | • | |
| ACTUATOR SEMI AUTO C4 DALI | EP10427480 | Modul for the conversion of bus commands from the DALI presence detector and other light controls into switching signals (semi-automatic) | X 45, Y 45, Z 24 | • | |
| **Mounting** | | | | | |
| MOUNTING FRAME 600 FM WH | EQ10113086 | Flush-mounted ceiling installation frame 600 for panel lights | X 635,4, Y 635, Z 48,2 | • | |
| MOUNTING FRAME 600/625 SM WH | EQ10113468 | Surface-mounted ceiling installation frame 600/625 for panel lights | X 627,2, Y 627, Z 100 | • | |
| **Push button** | | | | | |
| PUSH BUTTON x4 PATIENT ROOM ELC | EC10431258 | DALI 4-way push button | X 71, Y 71, Z 21,5 | • | |
| PUSH BUTTON x8 CLASSROOM ELC | EC10431241 | DALI 8-way push button | X 71, Y 71, Z 21,5 | • | |
| PUSH BUTTON x8 ELC | EC10430923 | DALI 8-way push button | X 71, Y 71, Z 21,5 | • | |
| PUSH BUTTON x8 PATIENT ROOM ELC | EC10431265 | DALI 8-way push button | X 71, Y 71, Z 21,5 | • | |
| PUSH BUTTON x8 TW ELC | EC10430930 | DALI 8 x push button Tunable White | X 71, Y 71, Z 21,5 | • | |
| **Remote control** | | | | | |
| ESY-Pen | EP10425356 | ESY-Pen and ESY-App, two tools for every task: (1) Parameterisation, (2) remote control, (3) light measurement, (4) project management | X 166, Y 24, Z 21,5 | • | |

INDOOR LIGHTING

- **Freely configurable intelligent system lights**
- **Smart factory settings for immediate commissioning**
- **SymbiLogic Technology for energy-efficient Human Centric Lighting**

The ESYLUX Light Control ELC technology is designed to radically simplify intelligent lighting and ventilation of rooms while at the same time offering the best possible light quality, even for those on a limited budget. You have the option to easily compile your own customised lighting system from various individual components, including ELC ceiling lights, ELC sensors, ELC control units (SMARTDRIVER), cables and other accessories. All items can be installed via plug-and-play, the system can be used immediately without any programming effort and rapid modernisation is possible during ongoing operation. The integrated SymbiLogic technology delivers energy-efficient Human Centric Lighting, while demand-driven ventilation ensures an optimal indoor climate.

Parameterisable with ESY-Pen and ESY-App. More on pages 220 – 221 and at: esylux.com/esy-pen.





# ESYLUX LIGHT CONTROL ELC
# FREELY CONFIGURABLE INTELLIGENT SYSTEM LIGHTS

Prices per square metre include lights, presence detectors, controls and cabling, and exclude VAT and installation costs

Includes quality of life: SymbiLogic technology for energy-efficient Human Centric Lighting (light colour: Tunable White)

Error-free networking: simple grouping via plug-and-play

Individual control: convenient manual or digital operating options

Plug-and-play in a new dimension: easy to configure in seven steps

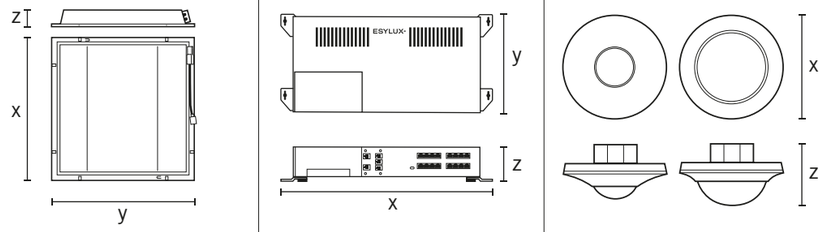




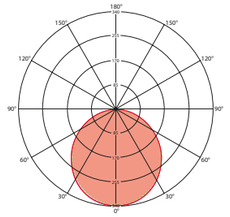
## EASY TO CONFIGURE IN SEVEN STEPS

| 1. | 2. | 3. | 4. | 5. | 6. | 7. |
|---|---|---|---|---|---|---|
| Select luminaire design | Select luminaire type | Select number of luminaires | Select control system | Select sensor | Select cables | Select additional accessories |

## PRODUCT TYPES

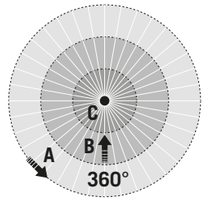



## LIGHT DISTRIBUTION




C0, C90, C0 / C90

## FIELD OF DETECTION




## DETECTION RANGE

| | Ceiling 8 m | Ceiling 24 m |
|---|---|---|
| Diagonally (A) | Ø 8 m | Ø 24 m |
| Frontal (B) | Ø 6 m | Ø 11 m |
| Presence area (C) | Ø 4 m | Ø 8 m |

Note: Technical data for specific products can be found at www.esylux.com.

# ESYLUX LIGHT CONTROL ELC

## INDOOR LIGHTING | FREELY CONFIGURABLE LIGHTING SYSTEMS



- Prices per square metre include lights, presence detectors, controls and cabling, and exclude VAT and installation costs
- Includes quality of life: SymbiLogic technology for energy-efficient Human Centric Lighting (light colour: Tunable White)
- Error-free networking: simple grouping via plug-and-play
- Individual control: convenient manual or digital operating options
- Plug-and-play in a new dimension: easy to configure in seven steps

| Product group/product name | Item no. | Light colour (IEC 1231) | Luminous flux | Rated output P | Luminous efficacy | Unified Glare Rating | Glare suppression | Diffuser | Protection type | Control system | BT (Bluetooth) | Sensor | Energy efficiency class | Dimensions (mm) | Circuit diagram | Core portfolio | New product |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Recessed lights CELINE-2** | | | | | | | | | | | | | | | | | |
| **2700 - 6500 K / 600 x 600 mm / 30 W** | | | | | | | | | | | | | | | | | |
| CELINE-2 PNL 600 DDP OP 3800 8TW IP20 ELC (white, similar to RAL 9016) | EQ10132322 | 8TW | 4000 lm | 33 W | 121 lm/W | < 19 | DDP | OP | IP20 | ELC | | | LED EEI E | X 596, Y 596, Z 65 | | • | |
| CELINE-2 PNL 600 DDP TR 4200 8TW IP20 ELC (white, similar to RAL 9016) | EQ10132353 | 8TW | 4400 lm | 33 W | 133 lm/W | < 19 | DDP | TR | IP20 | ELC | | | LED EEI E | X 596, Y 596, Z 65 | | • | |
| **3000 K / 600 x 600 mm / 30 W** | | | | | | | | | | | | | | | | | |
| CELINE-2 PNL 600 DDP OP 3600 830 IP20 ELC (white, similar to RAL 9016) | EQ10132308 | 830 | 3900 lm | 33 W | 118 lm/W | < 19 | DDP | OP | IP20 | ELC | | | LED EEI E | X 596, Y 596, Z 65 | | • | |
| CELINE-2 PNL 600 DDP TR 4000 830 IP20 ELC (white, similar to RAL 9016) | EQ10132339 | 830 | 4300 lm | 33 W | 130 lm/W | < 19 | DDP | TR | IP20 | ELC | | | LED EEI E | X 596, Y 596, Z 65 | | • | |
| **4000 K / 600 x 600 mm / 30 W** | | | | | | | | | | | | | | | | | |
| CELINE-2 PNL 600 DDP OP 4000 840 IP20 ELC (white, similar to RAL 9016) | EQ10132315 | 840 | 4200 lm | 33 W | 127 lm/W | < 19 | DDP | OP | IP20 | ELC | | | LED EEI E | X 596, Y 596, Z 65 | | • | |
| CELINE-2 PNL 600 DDP TR 4400 840 IP20 ELC (white, similar to RAL 9016) | EQ10132346 | 840 | 4600 lm | 33 W | 139 lm/W | < 19 | DDP | TR | IP20 | ELC | | | LED EEI E | X 596, Y 596, Z 65 | | • | |



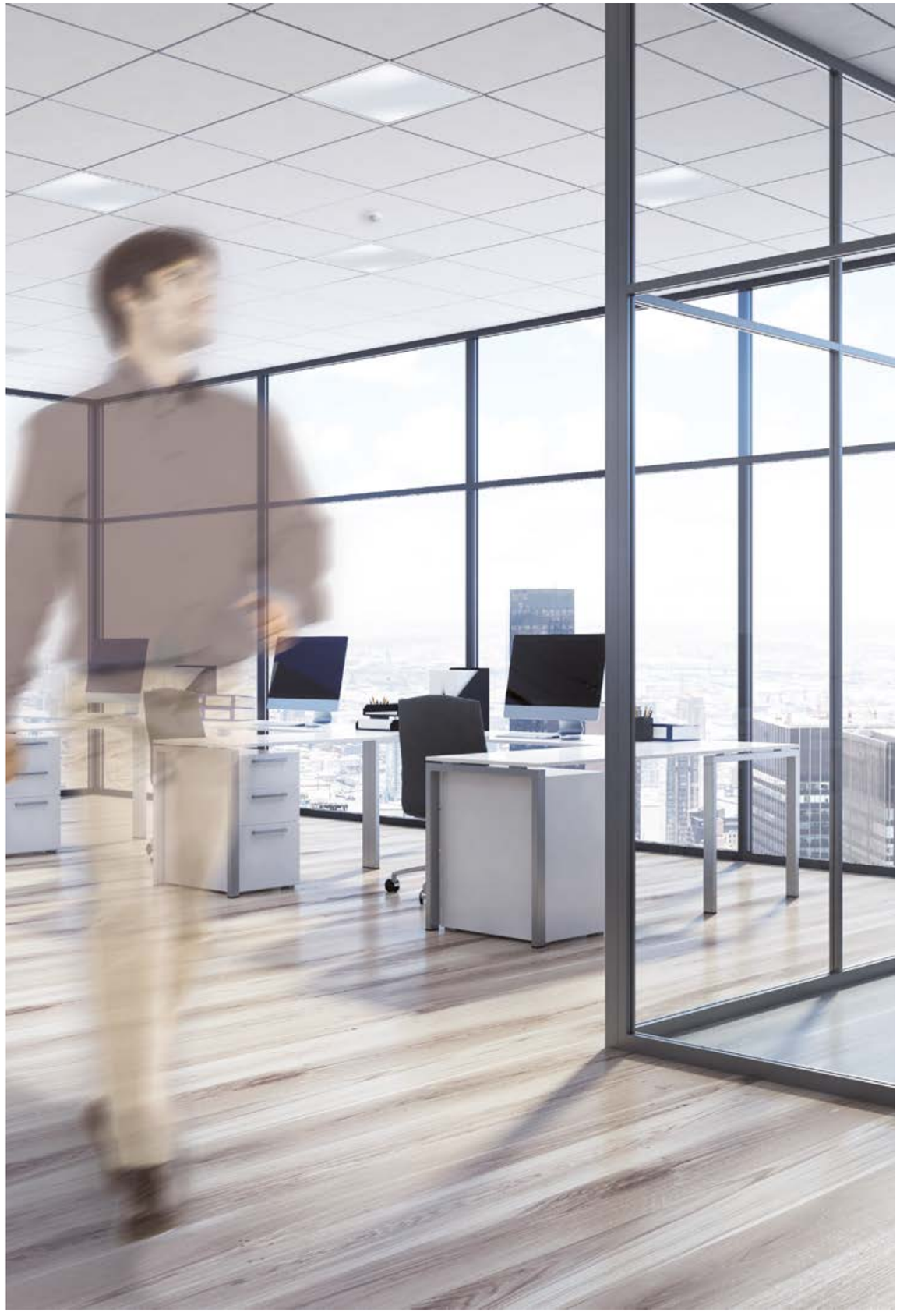


| Product group/product name | Item no. | Detection angle | Detection range | Installation type | Number of light channels | Function | Constant lighting control | Push button input lighting | In-rush current | Adjustable switch-off delay time | Number of HVAC-channels | Push button input HVAC | Slave input | Protection type | Dimensions (mm) | Circuit diagram | Core portfolio | New product |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Presence detectors BASIC** | | | | | | | | | | | | | | | | | | |
| **Presence detectors / Ceiling mounting / ELC** | | | | | | | | | | | | | | | | | | |
| PD 360i/8 BASIC ELC (white, similar to RAL 9010) | EB10431357 | 360 ° | Ø 8 m | SM | 4 | Switching/Regulate | • | | | • | 2 | | | IP20 | X 101, Z 33 | Y | • | |
| **Presence detectors COMPACT** | | | | | | | | | | | | | | | | | | |
| **Presence detectors / Ceiling mounting / ELC** | | | | | | | | | | | | | | | | | | |
| PD-C 360i/24 ELC (white, similar to RAL 9010) | EP10427619 | 360 ° | Ø 24 m | FM | 4 | Send values | • | | | • | 2 | | | IP20 | X 108, Z 70 | P | • | |
| PD-C 360i/8 ELC (white, similar to RAL 9010) | EP10427602 | 360 ° | Ø 8 m | FM | 4 | Send values | • | | | • | 2 | | | IP20 | X 108, Z 62 | P | • | |

| Product group/product name | Item no. | Number of light channels | Number of outputs luminaires ELC | Number of outputs luminaires DALI | Number of control units per grou | Number of HVAC-channels | Orientation light | Constant lighting control | Orientation light duration or time | HCL-lighting control | Push button input lighting | Number of scenes | BT (Bluetooth) | KNX | ELC | Dimensions (mm) | Circuit diagram | Core portfolio | New product |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **SMARTDRIVER-2** | | | | | | | | | | | | | | | | | | | |
| **Controls / ELC** | | | | | | | | | | | | | | | | | | | |
| SMARTDRIVER-2 IR 4C+2 x4 ELC (white) | EC10431401 | 4 | 4 | 2 | 20 | 2 | 10 - 50 % | • | • | | 2 | 4 | | | • | X 555, Y 262, Z 85 | CK | • | ★ |
| SMARTDRIVER-2 IR 4C+2 x4 ELC KNX (white) | EC10431449 | 4 | 4 | 2 | 20 | 2 | 10 - 50 % | • | • | | 2 | 4 | | • | • | X 555, Y 262, Z 85 | CL | | |
| SMARTDRIVER-2 IR 4C+2 x8 ELC (white) | EC10431425 | 4 | 8 | 2 | 10 | 2 | 10 - 50 % | • | • | | 2 | 4 | | | • | X 555, Y 262, Z 85 | CK | • | ★ |
| SMARTDRIVER-2 IR 4C+2 x8 ELC KNX (white) | EC10431432 | 4 | 8 | 2 | 10 | 2 | 10 - 50 % | • | • | | 2 | 4 | | • | • | X 555, Y 262, Z 85 | CL | | |
| SMARTDRIVER-2 TW IR 2C+2 x4 ELC (white) | EC10431418 | 2 | 4 | 2 | 10 | 2 | 10 - 50 % | • | • | • | 2 | 13 | | | • | X 555, Y 262, Z 85 | CK | • | ★ |
| SMARTDRIVER-2 TW IR 2C+2 x4 ELC KNX (white) | EC10431470 | 2 | 4 | 2 | 10 | 2 | 10 - 50 % | • | • | • | 2 | 13 | | • | • | X 555, Y 262, Z 85 | CL | | |
| SMARTDRIVER-2 TW IR 2C+2 x6 ELC (white) | EC10431487 | 2 | 6 | 2 | 6 | 2 | 10 - 50 % | • | • | • | 2 | 13 | | | • | X 555, Y 262, Z 85 | CK | • | ★ |
| SMARTDRIVER-2 TW IR 2C+2 x6 ELC KNX (white) | EC10431456 | 2 | 6 | 2 | 6 | 2 | 10 - 50 % | • | • | • | 2 | 13 | | • | • | X 555, Y 262, Z 85 | CL | | |
| SMARTDRIVER-2 TW IR 2C+2 x8 ELC (white) | EC10431494 | 2 | 8 | 2 | 5 | 2 | 10 - 50 % | • | • | • | 2 | 13 | | | • | X 555, Y 262, Z 85 | CK | • | ★ |
| SMARTDRIVER-2 TW IR 2C+2 x8 ELC KNX (white) | EC10431463 | 2 | 8 | 2 | 5 | 2 | 10 - 50 % | • | • | • | 2 | 13 | | • | • | X 555, Y 262, Z 85 | CL | | |

| Product group/product name | Item no. | Product description | Dimensions (mm) | Core portfolio | New product |
|---|---|---|---|---|---|
| **Accessories** | | | | | |
| **Cable** | | | | | |
| CABLE RJ10 10m WH | EC10431500 | Connection cable RJ10, 10 m | X 10000 | • | ★ |
| CABLE RJ10-OPEN END 10m WH | EC10431517 | Connection cable RJ10 Open end, 10 m | X 10000 | • | ★ |
| CABLE RJ11 10m WH | EC10431524 | Connection cable RJ11, 10 m, white | X 10000 | • | ★ |
| CABLE RJ45 10m BL | EQ10019999 | Connection cable RJ45, 10 m, blue | X 10000 | • | |
| CABLE RJ45 10m RD | EQ10020155 | Connection cable RJ45, 10 m, red | X 10000 | • | |
| CABLE RJ45 10m WH | EC10430749 | Connection cable RJ45, 10 m, white | X 10000 | • | |
| CABLE RJ45 3m BL | EC10431548 | Connection cable RJ45, 3 m, blue | X 3000 | • | ★ |
| CABLE RJ45 3m RD | EC10431555 | Connection cable RJ45, 3 m, red | X 3000 | • | ★ |
| CABLE RJ45 3m WH | EC10431531 | Connection cable RJ45, 3 m, white | X 3000 | • | ★ |

| Product group/product name | Item no. | Product description | Dimensions (mm) | Core portfolio | New product |
|---|---|---|---|---|---|
| CABLE RJ45 5m BL | EQ10019982 | Connection cable RJ45, 5 m, blue | X 5000 | • | |
| CABLE RJ45 5m RD | EQ10019890 | RJ45 connection cable, 5 m, red | X 5000 | • | |
| CABLE RJ45 5m WH | EC10430695 | Connection cable RJ45, 5 m, white | X 5000 | • | |
| FERRITE-SET x4 | EC10429972 | Set of 4 ferrite cores (folding ferrite) for shielding up to two RJ45 cables per ferrite core on the SMARTDRIVER-2 | X 40, Y 24, Z 20 | • | ★ |
| CABLE-SET-2 RJ45 10m TW x4 | EC10431951 | Connection cable set for SMARTDRIVER x4 TW series | X 10000 | • | ★ |
| CABLE-SET-2 RJ45 10m TW x6 | EC10431975 | Connection cable set for SMARTDRIVER x6 TW series | X 10000 | • | ★ |
| CABLE-SET-2 RJ45 10m TW x8 | EC10431999 | Connection cable set for SMARTDRIVER x8 TW series | X 10000 | • | ★ |
| CABLE-SET-2 RJ45 10m x4 | EC10431913 | Connection cable set for SMARTDRIVER x4 series | X 10000 | • | ★ |
| CABLE-SET-2 RJ45 10m x8 | EC10431937 | Connection cable set for SMARTDRIVER x8 series | X 10000 | • | ★ |
| CABLE-SET-2 RJ45 5m TW x4 | EC10431944 | Connection cable set for SMARTDRIVER x4 TW series | X 5000 | • | ★ |
| CABLE-SET-2 RJ45 5m TW x6 | EC10431968 | Connection cable set for SMARTDRIVER x6 TW series | X 5000 | • | ★ |
| CABLE-SET-2 RJ45 5m TW x8 | EC10431982 | Connection cable set for SMARTDRIVER x8 TW series | X 5000 | • | ★ |
| CABLE-SET-2 RJ45 5m x4 | EC10431906 | Connection cable set for SMARTDRIVER x4 series | X 5000 | • | ★ |
| CABLE-SET-2 RJ45 5m x8 | EC10431920 | Connection cable set for SMARTDRIVER x8 series | X 5000 | • | ★ |
| **Electrical accessories** | | | | | |
| ACTUATOR FULL AUTO C3 DALI | EP10427473 | Modul for the conversion of bus commands from the DALI presence detector and other light controls into switching signals (fully automatic) | X 45, Y 45, Z 24 | • | |
| ACTUATOR SEMI AUTO C4 DALI | EP10427480 | Modul for the conversion of bus commands from the DALI presence detector and other light controls into switching signals (semi-automatic) | X 45, Y 45, Z 24 | • | |
| **Mounting** | | | | | |
| MOUNTING FRAME 600 FM WH | EQ10113086 | Flush-mounted ceiling installation frame 600 for panel lights | X 635,4, Y 635, Z 48,2 | • | |
| MOUNTING FRAME 625 FM WH | EQ10113093 | Surface-mounted ceiling installation frame 625 for panel lights | X 660,4, Y 660, Z 48,2 | • | |
| MOUNTING FRAME 600/625 SM WH | EQ10113468 | Surface-mounted ceiling installation frame 600/625 for panel lights | X 627,2, Y 627, Z 100 | • | |
| **Protection** | | | | | |
| DROP PROTECTION | EQ10121616 | Steel cable for securing ESYLUX panel lights to the ceiling. | X 800 | • | |
| **Push button** | | | | | |
| PUSH BUTTON x8 TW ELC | EC10430930 | DALI 8 x push button Tunable White | X 71, Y 71, Z 21,5 | • | |
| PUSH BUTTON x8 ELC | EC10430923 | DALI 8-way push button | X 71, Y 71, Z 21,5 | • | |
| **Remote control** | | | | | |
| ESY-Pen | EP10425356 | ESY-Pen and ESY-App, two tools for every task: (1) Parameterisation, (2) remote control, (3) light measurement, (4) project management | X 166, Y 24, Z 21,5 | • | |



INDOOR LIGHTING

- **Energy-efficient lighting with high light quality**
- **Plug-and-play connection for system lights with ESYLUX Light Control (ELC)**
- **Powerful Tunable White variants for energy-efficient Human Centric Lighting with SymbiLogic technology**

**5 YEARS MANUFACTURER WARRANTY**

EN EC 05

The LED recessed lights in the CELINE-2 series provide the highest-quality lighting in workplaces such as offices, educational institutions and medical facilities. These lights are suitable for use as system lights with ESYLUX Light Control (ELC) via their plug-and-play connection and can also be used in DALI lighting systems via driver sets that are available as an optional accessory. Variants with Tunable White enable energy-efficient human centric lighting with SymbiLogic technology using ELC system lights or DALI-2 presence detectors from ESYLUX.





# CELINE-2
# LIGHT QUALITY FOR THE MOST DEMANDING VISUAL TASKS

Recessed lights for ceiling systems with hidden or visible mounting rails

Plug-and-play connection for system lights with ESYLUX Light Control (ELC)

Variants with Tunable White (2700 – 6500 K) for SymbiLogic technology

Suitable for screen-based work places in accordance with DIN EN 12464-1 (UGR ≤ 19)

Accessories: Ceiling installation frame and surface-mounted ceiling frame (600 x 600)

Note: Please observe any special features and restrictions stipulated by the ceiling system manufacturer.

Suitable for use in other lighting systems when using driver sets (available as an optional accessory)

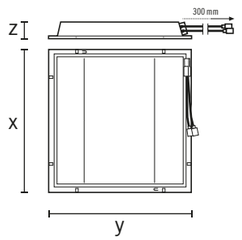
Homogeneous illumination and long service life due to the backlight layout of the LEDs

Flicker-free lighting for healthy, fatigue-free working

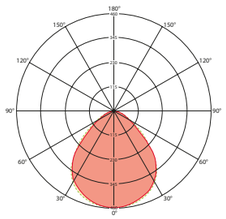
Robust, durable metal housing



## PRODUCT TYPES




## LIGHT DISTRIBUTION




C0, C90, C0 / C90

Note: Technical data for specific products can be found at www.esylux.com.

# CELINE-2

## INDOOR LIGHTING / RECESSED LIGHTS



- Recessed lights for ceiling systems with hidden or visible mounting rails
- Note: Please observe any special features and restrictions stipulated by the ceiling system manufacturer.
- Plug-and-play connection for system lights with ESYLUX Light Control (ELC)
- Suitable for use in other lighting systems when using driver sets (available as an optional accessory)
- Variants with Tunable White (2700 – 6500 K) for SymbiLogic technology
- Homogeneous illumination and long service life due to the backlight layout of the LEDs
- Suitable for screen-based work places in accordance with DIN EN 12464-1 (UGR ≤ 19)
- Flicker-free lighting for healthy, fatigue-free working
- Accessories: Ceiling installation frame and surface-mounted ceiling frame (600 x 600)
- Robust, durable metal housing
- Front housing cover made from a single piece
- High-quality PMMA plastic diffusor

| Product group/product name | Item no. | Light colour (IEC 1231) | Luminous flux | Rated output P | Luminous efficacy | Unified Glare Rating | Glare suppression | Diffuser | Protection type | Control system | BT (Bluetooth) | Sensor | Energy efficiency class | Dimensions (mm) | Circuit diagram | Core portfolio | New product |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **2700 - 6500 K / 600 x 600 mm / 30 W** | | | | | | | | | | | | | | | | | |
| CELINE-2 PNL 600 DDP OP 3800 8TW IP20 ELC (white, similar to RAL 9016) | EQ10132322 | 8TW | 4000 lm | 33 W | 121 lm/W | < 19 | DDP | OP | IP20 | ELC | | | LED EEI E | X 596, Y 596, Z 65 | | • | |
| CELINE-2 PNL 600 DDP TR 4200 8TW IP20 ELC (white, similar to RAL 9016) | EQ10132353 | 8TW | 4400 lm | 33 W | 133 lm/W | < 19 | DDP | TR | IP20 | ELC | | | LED EEI E | X 596, Y 596, Z 65 | | • | |
| **3000 K / 600 x 600 mm / 30 W** | | | | | | | | | | | | | | | | | |
| CELINE-2 PNL 600 DDP OP 3600 830 IP20 ELC (white, similar to RAL 9016) | EQ10132308 | 830 | 3900 lm | 33 W | 118 lm/W | < 19 | DDP | OP | IP20 | ELC | | | LED EEI E | X 596, Y 596, Z 65 | | • | |
| CELINE-2 PNL 600 DDP TR 4000 830 IP20 ELC (white, similar to RAL 9016) | EQ10132339 | 830 | 4300 lm | 33 W | 130 lm/W | < 19 | DDP | TR | IP20 | ELC | | | LED EEI E | X 596, Y 596, Z 65 | | • | |
| **4000 K / 600 x 600 mm / 30 W** | | | | | | | | | | | | | | | | | |
| CELINE-2 PNL 600 DDP OP 4000 840 IP20 ELC (white, similar to RAL 9016) | EQ10132315 | 840 | 4200 lm | 33 W | 127 lm/W | < 19 | DDP | OP | IP20 | ELC | | | LED EEI E | X 596, Y 596, Z 65 | | • | |
| CELINE-2 PNL 600 DDP TR 4400 840 IP20 ELC (white, similar to RAL 9016) | EQ10132346 | 840 | 4600 lm | 33 W | 139 lm/W | < 19 | DDP | TR | IP20 | ELC | | | LED EEI E | X 596, Y 596, Z 65 | | • | |

| Product group/product name | Item no. | Product description | Dimensions (mm) | Core portfolio | New product |
|---|---|---|---|---|---|
| **Accessories** | | | | | |
| **Control gear** | | | | | |
| DRIVER-SET 30W 700mA RJ45 | EQ10127878 | Plug-and-play LED driver set ON/OFF 30 W | X 119, Y 42, Z 28 | • | ★ |
| DRIVER-SET 30W 700mA RJ45 DALI-2 | EQ10127793 | Plug-and-play LED driver set 30 W DALI-2 | X 103, Y 68, Z 31 | • | ★ |
| DRIVER-SET 30W 700mA RJ45 WAGO WINSTA DALI-2 | EQ10127809 | Plug-and-play LED driver set 30 W DALI-2, WAGO WINSTA | X 103, Y 68, Z 31 | • | ★ |
| DRIVER-SET 30W 700mA RJ45 WIELAND GST DALI-2 | EQ10127816 | Plug-and-play LED driver set 30 W DALI-2, WIELAND GST | X 103, Y 68, Z 31 | • | ★ |
| DRIVER-SET TW 32W 700mA RJ45 DALI-2 DT8 | EQ10127847 | Plug-and-play LED driver set DALI-2 DT8 | X 117, Y 46, Z 29 | • | ★ |
| DRIVER-SET TW 32W 700mA RJ45 WAGO WINSTA DALI-2 DT8 | EQ10127830 | Plug-and-play LED driver set DALI-2 DT8, WAGO WINSTA | X 117, Y 46, Z 29 | • | ★ |
| DRIVER-SET TW 32W 700mA RJ45 WIELAND GST DALI-2 DT8 | EQ10127823 | Plug-and-play LED driver set DALI-2 DT8, WIELAND GST | X 117, Y 46, Z 29 | • | ★ |
| **Mounting** | | | | | |
| MOUNTING FRAME 600 FM WH | EQ10113086 | Flush-mounted ceiling installation frame 600 for panel lights | X 635,4, Y 635, Z 48,2 | • | |
| MOUNTING FRAME 600/625 SM WH | EQ10113468 | Surface-mounted ceiling installation frame 600/625 for panel lights | X 627,2, Y 627, Z 100 | • | |
| **Remote control** | | | | | |
| ESY-Pen | EP10425356 | ESY-Pen and ESY-App, two tools for every task: (1) Parameterisation, (2) remote control, (3) light measurement, (4) project management | X 166, Y 24, Z 21,5 | • | |

- **Flat design for universal use**
- **Homogeneous light emission**
- **Three installation types: Recessed light, also suitable for surface mounting with accessories**

**5 YEARS MANUFACTURER WARRANTY**



With their low profile design, LED recessed lights in the STELLA series are well-suited to flexible applications in offices, learning environments and healthcare facilities. As such, they fulfil all requirements of contemporary light installations in terms of their straightforward handling, light quality and energy efficiency.





# STELLA
# FLAT AND FLEXIBLE



Easy installation at a low installation heights due to the particularly flat design (housing height: 10 mm)

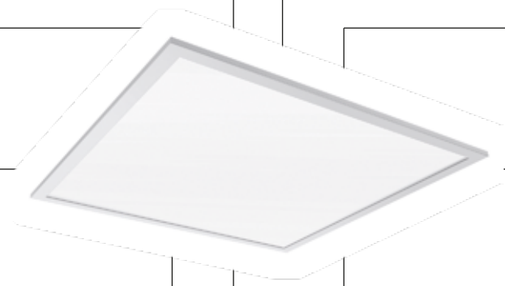
Low weight for easy handling

Installation with no additional accessories, electronic ballast included in delivery

Electronic ballast simply plugs in to connect to the luminaire

DALI variants withSwitchDIM function for 230 V push button

Two installation types: Recessed light, also suitable for surface mounting with accessories

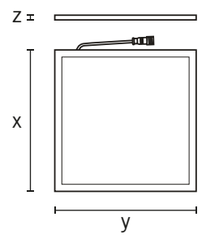


For conventional system ceilings: 600 x 600 mm

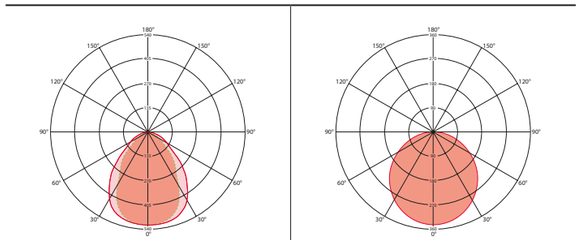
Flicker-free light for healthy and fatigue-free working

Suitable for computer workstations (UGR ≤ 19)

## PRODUCT TYPES




## LIGHT DISTRIBUTION




C0, C90, C0 / C90

Note: Technical data for specific products can be found at www.esylux.com.

# STELLA

## INDOOR LIGHTING / RECESSED LIGHTS

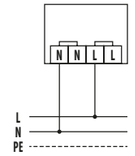


- Easy installation at a low installation heights due to the particularly flat design (housing height: 10 mm)
- Low weight for easy handling
- Installation with no additional accessories, electronic ballast included in delivery
- Electronic ballast simply plugs in to connect to the luminaire
- DALI variants withSwitchDIM function for 230 V push button
- Two installation types: Recessed light, also suitable for surface mounting with accessories
- For conventional system ceilings: 600 x 600 mm
- Flicker-free light for healthy and fatigue-free working
- Suitable for computer workstations (UGR ≤ 19)

| Product group/product name | Item no. | Light colour (IEC 1231) | Luminous flux | Rated output P | Luminous efficacy | Unified Glare Rating | Glare suppression | Diffuser | Protection type | Control system | BT (Bluetooth) | Sensor | Energy efficiency class | Dimensions (mm) | Circuit diagram | Core portfolio | New product |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **3000 K / 600 x 600 mm / 33 W** | | | | | | | | | | | | | | | | | |
| STELLA PNL 600 OP 3600 830 IP20 (white, similar to RAL 9003) | EQ10600012 | 830 | 3700 lm | 35,5 W | 104 lm/W | ≤ 22 | | OP | IP20 | ON/OFF | | | E | X 595, Y 595, Z 11 | BR | • | |
| **4000 K / 600 x 600 mm / 33 W** | | | | | | | | | | | | | | | | | |
| STELLA PNL 600 DDP OP 3800 840 IP20 (white, similar to RAL 9003) | EQ10600227 | 840 | 3900 lm | 37 W | 105 lm/W | ≤ 19 | DDP | OP | IP20 | ON/OFF | | | F | X 595, Y 595, Z 11 | BR | • | |
| STELLA PNL 600 DDP OP 3800 840 IP20 DALI (white, similar to RAL 9003) | EQ10600234 | 840 | 3800 lm | 37 W | 102 lm/W | ≤ 19 | DDP | OP | IP20 | DALI | | | F | X 595, Y 595, Z 11 | BS | • | |

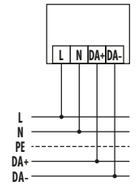
| Product group/product name | Item no. | Product description | Dimensions (mm) | Core portfolio | New product |
|---|---|---|---|---|---|
| **Accessories** | | | | | |
| **Mounting** | | | | | |
| MOUNTING FRAME 600 FM WH | EQ10113086 | Flush-mounted ceiling installation frame 600 for panel lights | X 635,4, Y 635, Z 48,2 | • | |
| STELLA MOUNTING FRAME 600 SM WH | EQ10600173 | Ceiling installation frame for STELLA series, 600 mm | X 602, Y 602, Z 50 | • | |
| **Protection** | | | | | |
| DROP PROTECTION | EQ10121616 | Steel cable for securing ESYLUX panel lights to the ceiling. | X 800 | • | |

**BR**




Standard operation.

**BS**




Standard operation.

INDOOR LIGHTING

- **Particularly resistant version with IK10 and IP65**
- **Variants with integrated motion detector, optimised to control additional LED lights**

**5 YEARS MANUFACTURER WARRANTY**



The lights in the ALMA series are suitable for anywhere that requires robust yet stylish wall lighting or ceiling lighting. With IP65 protection type and IK10 impact resistance, these lights deliver continuous functionality even in adverse conditions, and the variants with integrated, invisible movement and light sensor technology enable demand-driven, energy-efficient operation.





# ALMA
# ELEGANT, ROBUST, OPTIONALLY INTELLIGENT



Protection type IP65

Impact resistance IK10

Variants with integrated motion detector (HF) for motion and daylight-dependent switching of lighting

Motion detector with switching output for master/master or master/slave networking



A metal plate prevents unwanted backwards detection, e.g. in neighbouring rooms

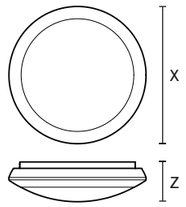
Easy to change the field of detection, switch-off delay time and target brightness via DIP switch in the light

Easy to install using plug-in terminals

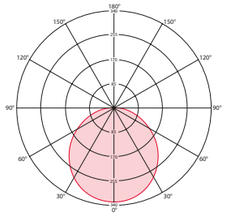
Push terminals with through-wiring option

UV-resistant plastic diffusor

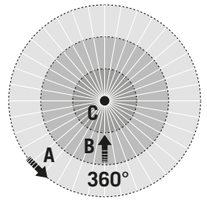
## PRODUCT TYPES




## LIGHT DISTRIBUTION




## FIELD OF DETECTION




## DETECTION RANGE

| | Ceiling 8 m | Wall 16 m |
|---|---|---|
| Diagonally (A) | Ø 8 m | Ø 16 m |
| - | - | - |
| - | - | - |

C0, C90, C0 / C90

Note: Technical data for specific products can be found at www.esylux.com.

# ALMA

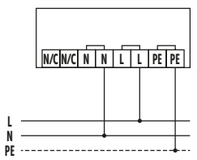
## INDOOR LIGHTING / WALL AND CEILING LIGHTS



- Protection type IP65
- Impact resistance IK10
- Variants with integrated motion detector (HF) for motion and daylight-dependent switching of lighting
- Motion detector with switching output for master/master or master/slave networking
- A metal plate prevents unwanted backwards detection, e.g. in neighbouring rooms
- Easy to change the field of detection, switch-off delay time and target brightness via DIP switch in the light
- Easy to install using plug-in terminals
- Push terminals with through-wiring option
- UV-resistant plastic diffusor

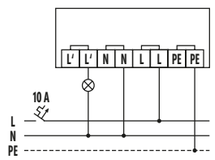
| Product group/product name | Item no. | Light colour (IEC 1231) | Luminous flux | Rated output P | Luminous efficacy | Unified Glare Rating | Glare suppression | Diffuser | Protection type | Control system | BT (Bluetooth) | Sensor | Energy efficiency class | Dimensions (mm) | Circuit diagram | Core portfolio | New product |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **3000 K** | | | | | | | | | | | | | | | | | |
| ALMA WCL 300 OP 1600 830 IP65 (white, similar to RAL 9003) | EO10850318 | 830 | 1600 lm | 15,5 W | 103 lm/W | ≤ 22 | | OP | IP65 | ON/OFF | | | LED EEI C | X 300, Z 87 | BT | • | |
| ALMA WCL 300 OP 1600 830 IP65 MD (white, similar to RAL 9003) | EO10850301 | 830 | 1600 lm | 16 W | 100 lm/W | ≤ 22 | | OP | IP65 | ON/OFF | • | | LED EEI C | X 300, Z 87 | BU | • | |
| **4000 K** | | | | | | | | | | | | | | | | | |
| ALMA WCL 300 OP 1600 840 IP65 (white, similar to RAL 9003) | EO10850332 | 840 | 1600 lm | 15,5 W | 103 lm/W | ≤ 22 | | OP | IP65 | ON/OFF | | | LED EEI C | X 300, Z 87 | BT | • | |
| ALMA WCL 300 OP 1600 840 IP65 MD (white, similar to RAL 9003) | EO10850325 | 840 | 1600 lm | 16 W | 100 lm/W | ≤ 22 | | OP | IP65 | ON/OFF | • | | LED EEI C | X 300, Z 87 | BU | • | |

BT

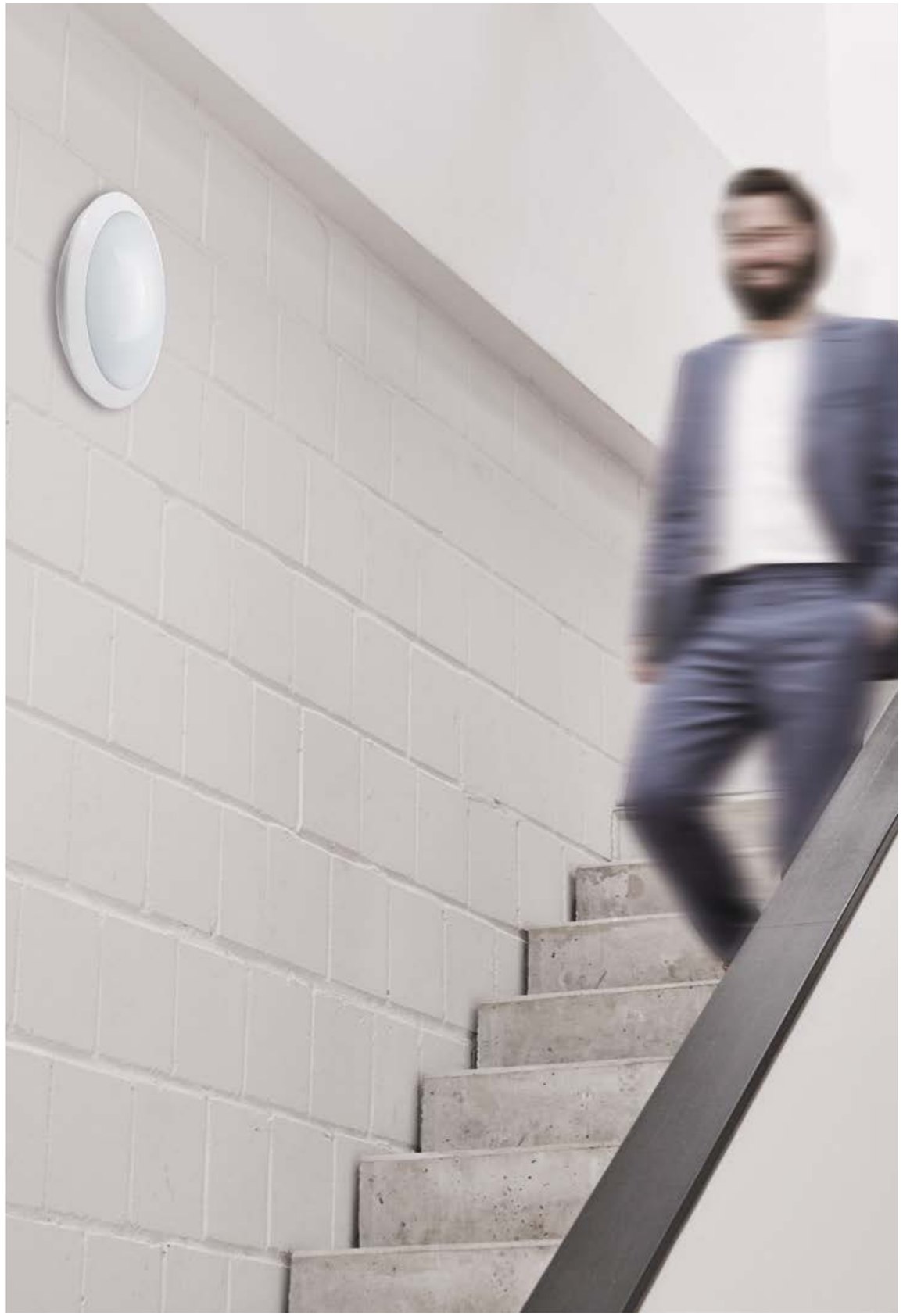



Standard operation.

BU




Standard operation.







INDOOR LIGHTING

- **Variants with integrated motion detector, optimised to control up to 3 additional LED lights**

**3 YEARS MANUFACTURER WARRANTY**

The LED lights in the ELLEN series feature a beautiful, timeless design, making them ideal for ceiling or wall mounting in hallways, staircases and function rooms. The optional concealed motion and light sensor technology and high level of luminous efficacy ensure energy-efficient operation on demand.





# ELLEN
# ROBUST WALL LIGHTING INTELLIGENTLY NETWORKED

Easy to install using plug-in terminals

Push terminals with through-wiring option

Variants with integrated motion detector (HF) for motion and daylight-dependent switching of lighting



Motion detector with switching output for master/master or master/slave networking

Easy to change the field of detection, switch-off delay time and target brightness via DIP switch in the light

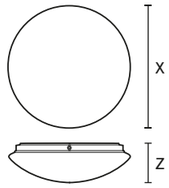
Diffuser made from UV-resistant plastic, impact protection IK07

Flicker-free light

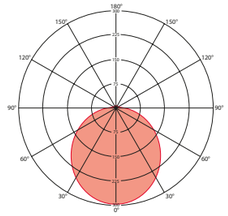
Available with protection types IP20 or IP44



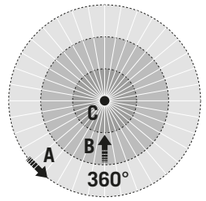
## PRODUCT TYPES




## LIGHT DISTRIBUTION




## FIELD OF DETECTION




## DETECTION RANGE

| | Ceiling 8 m | Wall 16 m |
|---|---|---|
| Diagonally (A) | Ø 8 – 10 m | Ø 20 m |
| - | - | - |
| - | - | - |

C0, C90, C0 / C90

Note: Technical data for specific products can be found at www.esylux.com.

# ELLEN

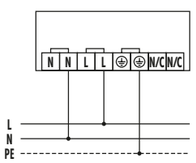
## INDOOR LIGHTING / WALL AND CEILING LIGHTS



- Easy to install using plug-in terminals
- Push terminals with through-wiring option
- Variants with integrated motion detector (HF) for motion and daylight-dependent switching of lighting
- Motion detector with switching output for master/master or master/slave networking
- Easy to change the field of detection, switch-off delay time and target brightness via DIP switch in the light
- Diffuser made from UV-resistant plastic, impact protection IK07
- Flicker-free light
- Available with protection types IP20 or IP44

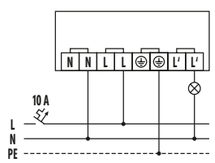
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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **3000 K** | | | | | | | | | | | | | | | | | |
| ELLEN WCL 300 OP 1500 830 IP20 (white) | EO10850011 | 830 | 1450 lm | 11 W | 131 lm/W | ≤ 22 | | OP | IP20 | ON/OFF | | | LED EEI C | X 300, Z 95 | BV | • | |
| ELLEN WCL 300 OP 1500 830 IP20 MD (white) | EO10850004 | 830 | 1450 lm | 11,5 W | 126 lm/W | ≤ 22 | | OP | IP20 | ON/OFF | | • | LED EEI C | X 300, Z 95 | BW | • | |
| ELLEN WCL 300 OP 1500 830 IP44 (white) | EO10850097 | 830 | 1450 lm | 11 W | 131 lm/W | ≤ 22 | | OP | IP44 | ON/OFF | | | LED EEI C | X 300, Z 95 | BV | • | |
| ELLEN WCL 300 OP 1500 830 IP44 MD (white) | EO10850080 | 830 | 1450 lm | 11,5 W | 126 lm/W | ≤ 22 | | OP | IP44 | ON/OFF | | • | LED EEI C | X 300, Z 95 | BW | • | |
| **4000 K** | | | | | | | | | | | | | | | | | |
| ELLEN WCL 300 OP 1600 840 IP20 (white) | EO10850073 | 840 | 1550 lm | 11 W | 140 lm/W | ≤ 22 | | OP | IP20 | ON/OFF | | | LED EEI C | X 300, Z 95 | BV | • | |
| ELLEN WCL 300 OP 1600 840 IP20 MD (white) | EO10850066 | 840 | 1550 lm | 11,5 W | 134 lm/W | ≤ 22 | | OP | IP20 | ON/OFF | | • | LED EEI C | X 300, Z 95 | BW | • | |
| ELLEN WCL 300 OP 1600 840 IP44 (white) | EO10850110 | 840 | 1550 lm | 11 W | 140 lm/W | ≤ 22 | | OP | IP44 | ON/OFF | | | LED EEI C | X 300, Z 95 | BV | • | |
| ELLEN WCL 300 OP 1600 840 IP44 MD (white) | EO10850103 | 840 | 1550 lm | 11,5 W | 134 lm/W | ≤ 22 | | OP | IP44 | ON/OFF | | • | LED EEI C | X 300, Z 95 | BW | • | |

BV

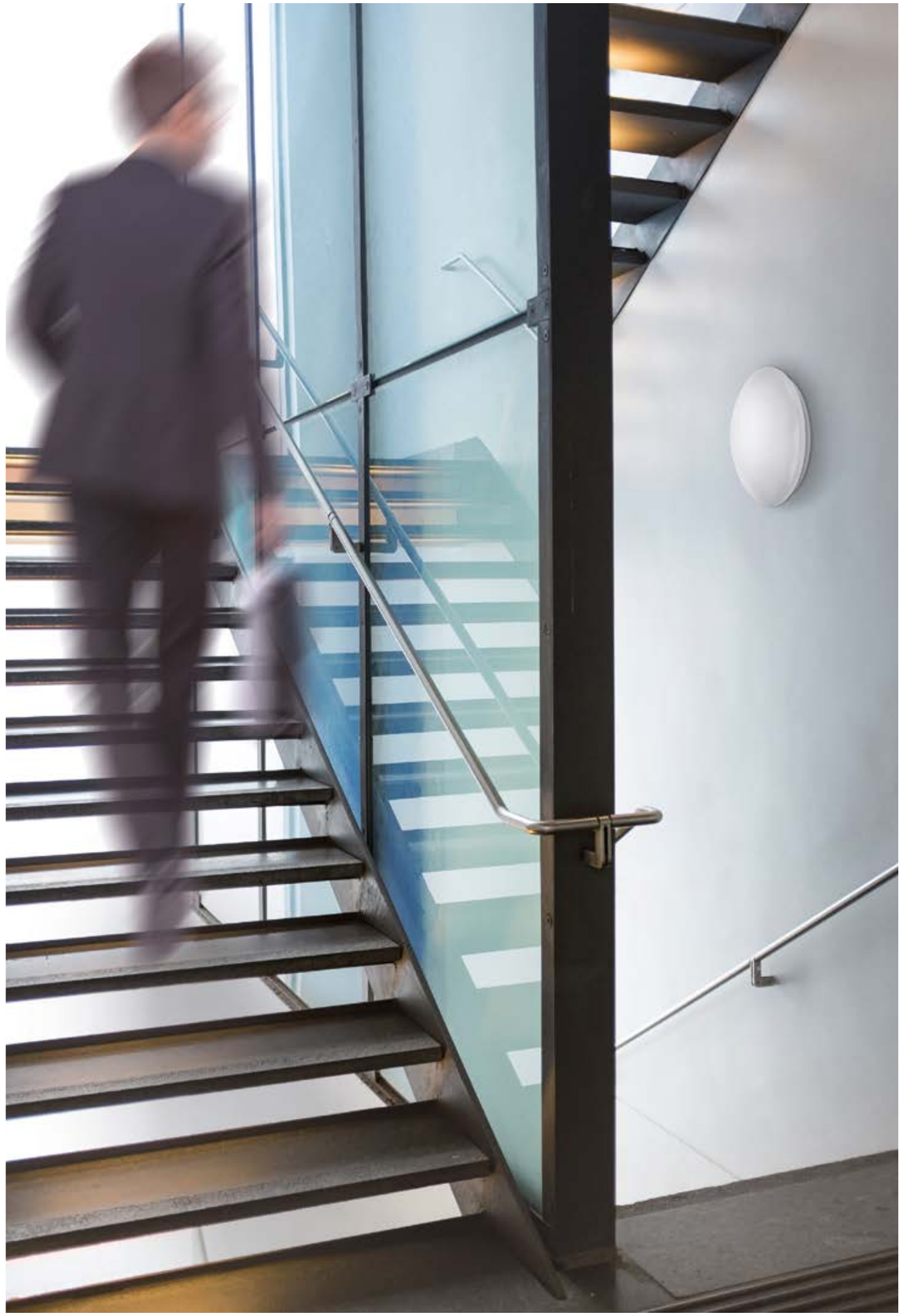



Standard operation.

BW




Standard operation.







INDOOR LIGHTING

- **High lighting quality in timeless, modern design**
- **Indirect light makes lights appear to float on the ceiling**
- **For presence and daylight dependent constant light control with DALI-2**

**5 YEARS MANUFACTURER WARRANTY**



High light quality, visual comfort through perfect glare suppression, easy to install: This is what characterises the SVENJA series LED surface-mounted lights. With a timeless, modern design, a high proportion of indirect light and the appearance of floating lights, they are ideal for use as atmospheric lighting solutions in social areas such as foyers, assembly halls, break areas and canteens. DALI-2 variants deliver presence and daylight dependent constant light control in schools, residential homes, hospitals and offices.





# SVENJA
# FUNCTIONAL DESIGN, FLOATING LIGHT



Flat surface-mounted LED lights in diameters of 450, 600 and 900 mm

DALI-2 variants with fixed light colour for presence and daylight dependent constant light control or with Tunable White (2700 – 6500 K)

Indirect light component of 35 % improves the impression of the room and makes luminaires appear to float below the ceiling

DALI-2 (except Ø 900 mm) and DALI-2 DT8 (TW) variants have the SwitchDIM function

Variants with diameters of 450 and 600 mm can be installed by one person



High-quality, powder-coated aluminium housing

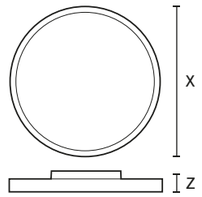
Possible control of the light colour and brightness of DALI-2 DT8 luminaires (TW) using an ESYLUX-specific push-button and a DALI power supply.

Homogeneous, glare-free illumination and long LED service life thanks to flat backlight arrangement and harmonised lenses

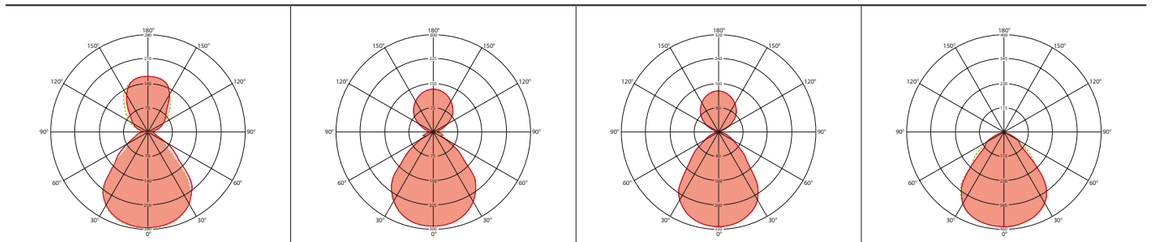
Simple installation thanks to two-part structure with snap lock

Suspended mounting with wire suspension set (2 m) or tube suspension set (1 m) as optional accessories (lengths can be shortened)

## PRODUCT TYPES




## LIGHT DISTRIBUTION



C0, C90, C0 / C90

Note: Technical data for specific products can be found at www.esylux.com.

# SVENJA

## INDOOR LIGHTING / WALL AND CEILING LIGHTS



- Flat surface-mounted LED lights in diameters of 450, 600 and 900 mm
- High-quality, powder-coated aluminium housing
- DALI-2 variants with fixed light colour for presence and daylight dependent constant light control or with Tunable White (2700 – 6500 K)
- Possible control of the light colour and brightness of DALI-2 DT8 luminaires (TW) using an ESYLUX-specific push-button and a DALI power supply.
- Indirect light component of 35 % improves the impression of the room and makes luminaires appear to float below the ceiling
- Homogeneous, glare-free illumination and long LED service life thanks to flat backlight arrangement and harmonised lenses
- DALI-2 (except Ø 900 mm) and DALI-2 DT8 (TW) variants have the SwitchDIM function
- Simple installation thanks to two-part structure with snap lock
- Variants with diameters of 450 and 600 mm can be installed by one person
- Suspended mounting with wire suspension set (2 m) or tube suspension set (1 m) as optional accessories (lengths can be shortened)

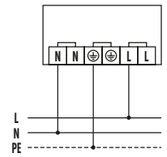
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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **450 mm** | | | | | | | | | | | | | | | | | |
| SVENJA CL 450 DDP OP 3300 830 IP20 (white, similar to RAL 9003) | EO10850592 | 830 | 3300 lm | 30 W | 110 lm/W | <19 | DDP | OP | IP20 | ON/OFF | | | LED EEI D | X 450, Z 82 | BF | • | ★ |
| SVENJA CL 450 DDP OP 3300 830 IP20 DALI-2 (white, similar to RAL 9003) | EO10850608 | 830 | 3300 lm | 30 W | 110 lm/W | <19 | DDP | OP | IP20 | DALI-2 | | | LED EEI D | X 450, Z 82 | CV | • | ★ |
| SVENJA CL 450 DDP OP 3400 840 IP20 (white, similar to RAL 9003) | EO10850615 | 840 | 3400 lm | 30 W | 113 lm/W | <19 | DDP | OP | IP20 | ON/OFF | | | LED EEI D | X 450, Z 82 | BF | • | ★ |
| SVENJA CL 450 DDP OP 3400 840 IP20 DALI-2 (white, similar to RAL 9003) | EO10850622 | 840 | 3400 lm | 30 W | 113 lm/W | <19 | DDP | OP | IP20 | DALI-2 | | | LED EEI D | X 450, Z 82 | CV | • | ★ |
| SVENJA CL 450 DDP OP 3400 8TW IP20 DALI-2 DT8 (white, similar to RAL 9003) | EO10850585 | 8TW | 3400 lm | 31 W | 109 lm/W | <19 | DDP | OP | IP20 | DALI-2 | | | LED EEI C | X 450, Z 82 | CW | • | ★ |
| **600 mm** | | | | | | | | | | | | | | | | | |
| SVENJA CL 600 DDP OP 5600 830 IP20 DALI-2 (white, similar to RAL 9003) | EO10850646 | 830 | 5600 lm | 46,5 W | 120 lm/W | <19 | DDP | OP | IP20 | DALI-2 | | | LED EEI D | X 600, Z 82 | CV | • | ★ |
| SVENJA CL 600 DDP OP 5700 840 IP20 DALI-2 (white, similar to RAL 9003) | EO10850653 | 840 | 5700 lm | 46,5 W | 122 lm/W | <19 | DDP | OP | IP20 | DALI-2 | | | LED EEI D | X 600, Z 82 | CV | • | ★ |
| SVENJA CL 600 DDP OP 5600 8TW IP20 DALI-2 DT8 (white, similar to RAL 9003) | EO10850639 | 8TW | 5600 lm | 48 W | 116 lm/W | <19 | DDP | OP | IP20 | DALI-2 | | | LED EEI C | X 600, Z 82 | CW | • | ★ |
| **900 mm** | | | | | | | | | | | | | | | | | |
| SVENJA CL 900 DDP OP 9400 830 IP20 DALI-2 (white, similar to RAL 9003) | EO10850684 | 830 | 9400 lm | 80 W | 117 lm/W | <19 | DDP | OP | IP20 | DALI-2 | | | LED EEI D | X 900, Z 87 | CV | • | ★ |
| SVENJA CL 900 DDP OP 9600 840 IP20 DALI-2 (white, similar to RAL 9003) | EO10850660 | 840 | 9600 lm | 80 W | 120 lm/W | <19 | DDP | OP | IP20 | DALI-2 | | | LED EEI D | X 900, Z 87 | CV | • | ★ |
| SVENJA CL 900 DDP OP 7000 8TW IP20 DALI-2 DT8 (white, similar to RAL 9003) | EO10850677 | 8TW | 7000 lm | 60 W | 116 lm/W | <19 | DDP | OP | IP20 | DALI-2 | | | LED EEI C | X 900, Z 87 | CW | • | ★ |





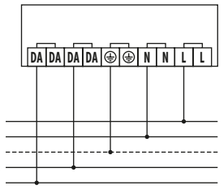
| Product group/product name | Item no. | Product description | Dimensions (mm) | Core portfolio | New product |
|---|---|---|---|---|---|
| **Accessories** | | | | | |
| **Electrical accessories** | | | | | |
| POWER SUPPLY 200mA DALI | EC10430008 | 200mA power pack for supplying power to DALI operating units or DALI control modules that do not have their own power supply | X 48, Y 45, Z 25 | • | |
| **Mounting** | | | | | |
| SVENJA POLE PENDULUM SET 1000 | EO10850561 | Pendulum set with centrally mounted tube, transparent 5-pole connection cable and round ceiling canopy | X 1000 | • | ★ |
| SVENJA WIRE PENDULUM SET 2000 | EO10850578 | Pendulum kit with 3 wire cables, transparent 5-pole connection cable and round ceiling canopy | X 2000 | • | ★ |
| **Push button** | | | | | |
| PUSH BUTTON x8 TW | EO10431388 | DALI Broadcast 8 x push button Tunable White for manual override of luminaires with DALI-2 DT8 drivers | X 71, Y 71, Z 21,5 | • | ★ |

BF

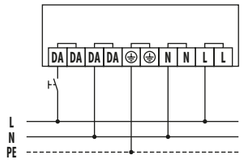



Standard operation.

CV

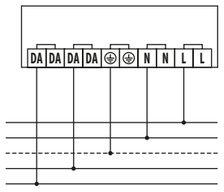



Standard operation DALI/DALI-2.

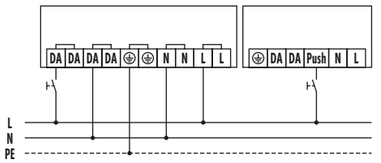



Standard operation with optional SwitchDIM (PushDIM) function.

CW




Standard operation DALI/DALI-2.




Standard operation with optional SwitchDIM (PushDIM) function.

- **High-quality aluminium housing with low installation depth**
- **Variants with a diameter of 225 mm, integrated presence or motion detector, optimised for controlling additional LED lights, remotely controlled**
- **Sensorless DALI variants with SwitchDIM function for 230 V button**

**5 YEARS MANUFACTURER WARRANTY**






With their minimalist design, ELSA-2 downlights are ideally suited as supplement to main lighting or as a stand-alone solution in conference rooms, hallways, staircases, entrance areas and sanitary facilities. Installation requires no additional accessories and the light ensures a harmonious appearance.

Parameterisable with ESY-Pen and ESY-App. More on pages 220 – 221 and at: esylux.com/esy-pen.





# ELSA-2
# IF REQUIRED: INTELLIGENCE INCLUDED



High-quality aluminium housing with low installation depth

Detector optimised for controlling additional LED lights

Sensorless DALI variants with SwitchDIM function for 230 V button

Installation without additional accessories

Protection type IP20/Variants without IP44 sensor under the ceiling (installed)



Variants with a diameter of 225 mm with an integrated remotely controlled motion detector or DALI presence detector (DALI broadcast)

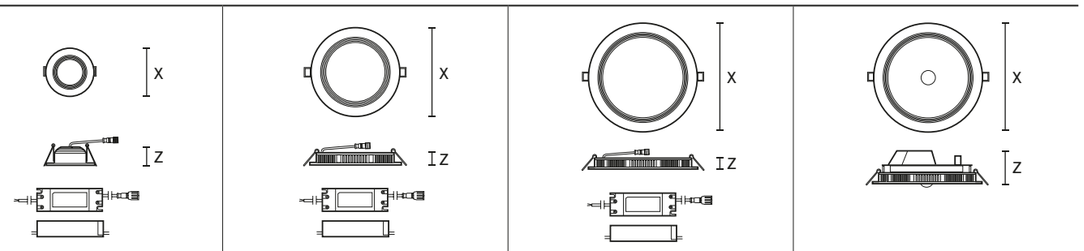
Available with additional integrated DALI bus power supply

Flicker-free light for healthy and fatigue-free working

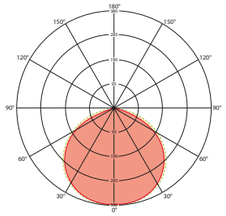
Simple plug-in connection of the driver to the light

Rated lifetime $L_{80}B_{50}$ at 25°C: 40000 h

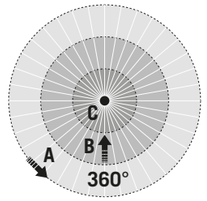
## PRODUCT TYPES




## LIGHT DISTRIBUTION




## FIELD OF DETECTION




## DETECTION RANGE

| | Ceiling 8 m |
|---|---|
| Diagonally (A) | Ø 8 m |
| Frontal (B) | Ø 5 m |
| Presence area (C) | Ø 3 m |

C0, C90, C0 / C90

Note: Technical data for specific products can be found at www.esylux.com.

# ELSA-2

## INDOOR LIGHTING / DOWNLIGHTS

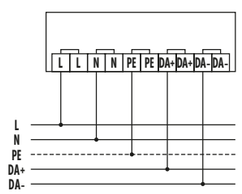


- High-quality aluminium housing with low installation depth
- Variants with a diameter of 225 mm with an integrated remotely controlled motion detector or DALI presence detector (DALI broadcast)
- Detector optimised for controlling additional LED lights
- Available with additional integrated DALI bus power supply
- Sensorless DALI variants with SwitchDIM function for 230 V button
- Flicker-free light for healthy and fatigue-free working
- Installation without additional accessories
- Simple plug-in connection of the driver to the light
- Protection type IP20/Variants without IP44 sensor under the ceiling (installed)
- Rated lifetime $L_{80}B_{50}$ at 25°C: 40000 h

| Product group/product name | Item no. | Light colour (IEC 1231) | Luminous flux | Rated output P | Luminous efficacy | Unified Glare Rating | Glare suppression | Diffuser | Protection type | Control system | BT (Bluetooth) | Sensor | Energy efficiency class | Dimensions (mm) | Circuit diagram | Core portfolio | New product |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **3000 K / Ø 165 mm / 9 W / 110°** | | | | | | | | | | | | | | | | | |
| ELSA-2 DL 165 OP 110° 900 830 DALI WH (white, similar to RAL 9003) | EO10298929 | 830 | 900 lm | 9,5 W | 94 lm/W | ≤ 25 | | OP | IP44 | DALI | | | E | X 180, Z 25 | BS | • | |
| ELSA-2 DL 165 OP 110° 900 830 WH (white, similar to RAL 9003) | EO10298981 | 830 | 900 lm | 9 W | 100 lm/W | ≤ 25 | | OP | IP44 | ON/OFF | | | E | X 180, Z 25 | BX | • | |
| **3000 K / Ø 225 mm / 18 W / 110°** | | | | | | | | | | | | | | | | | |
| ELSA-2 DL 225 OP 110° 1800 830 DALI WH (white, similar to RAL 9003) | EO10298943 | 830 | 1700 lm | 19 W | 89 lm/W | ≤ 25 | | OP | IP44 | DALI | | | F | X 240, Z 25 | BS | • | |
| ELSA-2 DL 225 OP 110° 1800 830 MD IR WH (white, similar to RAL 9003) | EO10299025 | 830 | 1650 lm | 17,5 W | 94 lm/W | ≤ 25 | | OP | IP20 | ON/OFF | • | | LED EEI F | X 240, Z 60 | BY | • | |
| ELSA-2 DL 225 OP 110° 1800 830 PD IR DALI WH (white, similar to RAL 9003) | EO10299698 | 830 | 1750 lm | 19 W | 92 lm/W | ≤ 25 | | OP | IP20 | DALI | • | | LED EEI F | X 240, Z 60 | BZ | • | |
| ELSA-2 DL 225 OP 110° 1800 830 PD IR PS DALI WH (white, similar to RAL 9003) | EO10299681 | 830 | 1750 lm | 19 W | 92 lm/W | ≤ 25 | | OP | IP20 | DALI | • | | LED EEI F | X 240, Z 60 | BN | • | |
| ELSA-2 DL 225 OP 110° 1800 830 WH (white, similar to RAL 9003) | EO10299001 | 830 | 1700 lm | 18 W | 94 lm/W | ≤ 25 | | OP | IP44 | ON/OFF | | | F | X 240, Z 25 | BX | • | |
| **3000 K / Ø 68 mm / 5 W / 100°** | | | | | | | | | | | | | | | | | |
| ELSA-2 DL 68 OP 100° 500 830 DALI WH (white, similar to RAL 9003) | EO10298905 | 830 | 500 lm | 6,5 W | 76 lm/W | ≤ 30 | | OP | IP44 | DALI | | | F | X 98, Z 45 | BS | • | |
| ELSA-2 DL 68 OP 100° 500 830 WH (white, similar to RAL 9003) | EO10298967 | 830 | 500 lm | 6,5 W | 76 lm/W | ≤ 30 | | OP | IP44 | ON/OFF | | | F | X 98, Z 45 | BX | • | |
| **4000 K / Ø 165 mm / 9 W / 110°** | | | | | | | | | | | | | | | | | |
| ELSA-2 DL 165 OP 110° 900 840 DALI WH (white, similar to RAL 9003) | EO10298936 | 840 | 900 lm | 9,5 W | 94 lm/W | ≤ 25 | | OP | IP44 | DALI | | | E | X 180, Z 25 | BS | • | |
| ELSA-2 DL 165 OP 110° 900 840 WH (white, similar to RAL 9003) | EO10298998 | 840 | 850 lm | 10,5 W | 80 lm/W | ≤ 25 | | OP | IP44 | ON/OFF | | | F | X 180, Z 25 | BX | • | |
| **4000 K / Ø 225 mm / 18 W / 110°** | | | | | | | | | | | | | | | | | |
| ELSA-2 DL 225 OP 110° 1800 840 DALI WH (white, similar to RAL 9003) | EO10298950 | 840 | 1800 lm | 19 W | 94 lm/W | ≤ 25 | | OP | IP44 | DALI | | | F | X 240, Z 25 | BS | • | |
| ELSA-2 DL 225 OP 110° 1800 840 MD IR WH (white, similar to RAL 9003) | EO10299032 | 840 | 1750 lm | 18 W | 97 lm/W | ≤ 25 | | OP | IP20 | ON/OFF | • | | LED EEI F | X 240, Z 60 | BY | • | |
| ELSA-2 DL 225 OP 110° 1800 840 PD IR DALI WH (white, similar to RAL 9003) | EO10299674 | 840 | 1850 lm | 19 W | 97 lm/W | ≤ 25 | | OP | IP20 | DALI | • | | LED EEI F | X 240, Z 60 | BZ | • | |
| ELSA-2 DL 225 OP 110° 1800 840 PD IR PS DALI WH (white, similar to RAL 9003) | EO10299667 | 840 | 1850 lm | 19,5 W | 94 lm/W | ≤ 25 | | OP | IP20 | DALI | • | | LED EEI F | X 240, Z 60 | BN | • | |
| ELSA-2 DL 225 OP 110° 1800 840 WH (white, similar to RAL 9003) | EO10299018 | 840 | 1800 lm | 18 W | 100 lm/W | ≤ 25 | | OP | IP44 | ON/OFF | | | E | X 240, Z 25 | BX | • | |
| **4000 K / Ø 68 mm / 5 W / 100°** | | | | | | | | | | | | | | | | | |
| ELSA-2 DL 68 OP 100° 500 840 DALI WH (white, similar to RAL 9003) | EO10298912 | 840 | 500 lm | 6,5 W | 76 lm/W | ≤ 30 | | OP | IP44 | DALI | | | F | X 98, Z 45 | BS | • | |
| ELSA-2 DL 68 OP 100° 500 840 WH (white, similar to RAL 9003) | EO10298974 | 840 | 475 lm | 6,5 W | 73 lm/W | ≤ 30 | | OP | IP44 | ON/OFF | | | F | X 98, Z 45 | BX | • | |

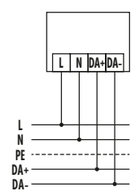
| Product group/product name | Item no. | Product description | Dimensions (mm) | Core portfolio | New product |
|---|---|---|---|---|---|
| **Accessories** | | | | | |
| **Adapter** | | | | | |
| ELSA-2 RING 165 | EO10300271 | Adapter ring 165 – 200 mm for ELSA-2 series | X 215, Z 1,5 | • | |
| ELSA-2 RING 225 | EO10300264 | Adapter ring 225 – 265 mm for ELSA-2 series | X 280, Z 1,5 | • | |
| ELSA-2 RING 65 | EO10300288 | Adapter ring 65 – 105 mm for ELSA-2 series | X 120, Z 1,5 | • | |
| **Electrical accessories** | | | | | |
| ACTUATOR FULL AUTO C3 DALI | EP10427473 | Modul for the conversion of bus commands from the DALI presence detector and other light controls into switching signals (fully automatic) | X 45, Y 45, Z 24 | • | |
| ACTUATOR SEMI AUTO C4 DALI | EP10427480 | Modul for the conversion of bus commands from the DALI presence detector and other light controls into switching signals (semi-automatic) | X 45, Y 45, Z 24 | • | |
| JUNCTION BOX 5-POLE BK | EO10430992 | Universal junction box, black, 5-pin, 2.5 $mm^2$ | X 103, Y 62, Z 27 | • | |
| POWER SUPPLY 200mA DALI | EC10430008 | 200mA power pack for supplying power to DALI operating units or DALI control modules that do not have their own power supply | X 48, Y 45, Z 25 | • | |
| **Mounting** | | | | | |
| ELSA-2 MOUNTING FRAME 165 SM WH | EO10300882 | Ceiling installation frame for ELSA-2 165 series | X 250, Z 70 | • | |
| ELSA-2 MOUNTING FRAME 225 SM WH | EO10300899 | Ceiling installation frame for ELSA-2 225 series | X 310, Z 70 | • | |
| **Remote control** | | | | | |
| ESY-Pen | EP10425356 | ESY-Pen and ESY-App, two tools for every task: (1) Parameterisation, (2) remote control, (3) light measurement, (4) project management | X 166, Y 24, Z 21,5 | • | |
| REMOTE CONTROL MDi/PDi | EM10425509 | IR remote control for presence detectors and motion detectors | X 100, Y 50, Z 9 | • | |
| REMOTE CONTROL PDi DALI | EP10425899 | IR remote control for DALI presence detectors and motion detectors | X 100, Y 50, Z 9 | • | |

BN




Standard operation.

BS



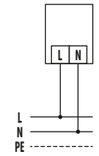

Standard operation.





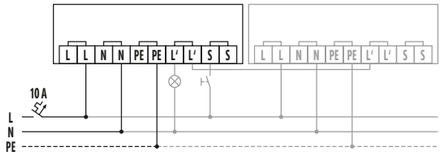
INDOOR LIGHTING

## BX



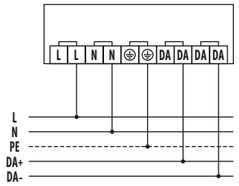

Standard operation.

## BY




Standard with optional control via a closing button and parallel wiring of max. ten devices.

## BZ




Standard operation.



- **DALI-2 variants for presence and daylight-dependent constant light control and for orientation light**
- **Optional integrated HF motion detector**
- **Particularly resistant: IP66 and IK08**



Whether in corridors, storage rooms, car parks, carports or cellars: OLIVIA-2 series damp-proof luminaires offer optimally protected light with high energy-saving potential. An optional built-in HF motion detector and excellent luminous efficacy ensure optimum energy efficiency. Sophisticated details such as integrated through-wiring simplify installation, while IP66 protection and IK08 impact resistance ensure long-lasting functionality.





# OLIVIA-2
# EFFICIENT, ROBUST, INTELLIGENTLY CONTROLLED.



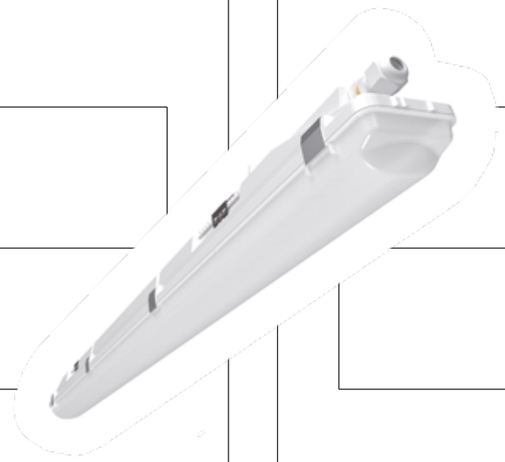
LED moisture-proof luminaires ith integrated DALI-2-certified or ON/OFF drivers and ENEC test mark

Motion detectors of the DALI-2 variants serve as input devices for APC presence detectors of the COMPACT series (control up to 16 groups)

Simple group installation thanks to integrated through-wiring with 5 x 2.5 $mm^2$ and plug-in terminals on both sides

Outstanding light transmission factor thanks to opal diffuser made of UV-stabilised polycarbonate

High IP66 protection rating thanks to injected silicone-based seal



Optional built-in HF motion detector for motion and daylight-dependent control of a luminaire group

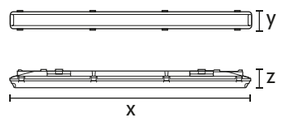
Optionally with safety lighting function with long-life LiFePO4 battery and automatic self-test

Two cable glands for cables up to 5 x 2.5 $mm^2$ included

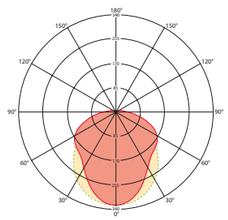
Excellent luminous efficacy of up to 162 lm/W

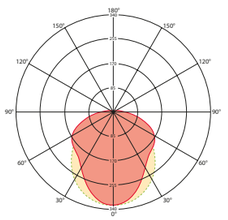
Tamper-proof stainless steel locking clips (cannot be removed by hand)

## PRODUCT TYPES



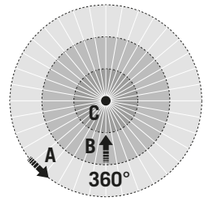

## LIGHT DISTRIBUTION




C0, C90, C0 / C90

## FIELD OF DETECTION




## DETECTION RANGE

| | Ceiling 8 m |
|---|---|
| Diagonally (A) | Ø 8-9 m |
| - | - |
| - | - |

Note: Technical data for specific products can be found at www.esylux.com.

# OLIVIA-2

## INDOOR LIGHTING / MOISTURE-PROOF LIGHTS



- LED moisture-proof luminaires ith integrated DALI-2-certified or ON/OFF drivers and ENEC test mark
- Optional built-in HF motion detector for motion and daylight-dependent control of a luminaire group
- Motion detectors of the DALI-2 variants serve as input devices for APC presence detectors of the COMPACT series (control up to 16 groups)
- Optionally with safety lighting function with long-life LiFePO4 battery and automatic self-test
- Simple group installation thanks to integrated through-wiring with 5 x 2.5 mm² and plug-in terminals on both sides
- Two cable glands for cables up to 5 x 2.5 mm² included
- Outstanding light transmission factor thanks to opal diffuser made of UV-stabilised polycarbonate
- Excellent luminous efficacy of up to 162 lm/W
- High IP66 protection rating thanks to injected silicone-based seal
- Tamper-proof stainless steel locking clips (cannot be removed by hand)
- Two snap-in and flexibly adjustable brackets for ceiling mounting included
- Reinforced brackets for wall mounting and hangers for suspended mounting as optional accessories

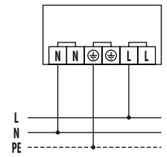
| Product group/product name | Item no. | Light colour (IEC 1231) | Luminous flux | Rated output P | Luminous efficacy | Unified Glare Rating | Glare suppression | Diffuser | Protection type | Control system | BT (Bluetooth) | Sensor | Energy efficiency class | Dimensions (mm) | Circuit diagram | Core portfolio | New product |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **4000 K / 1200 mm / 33 W** | | | | | | | | | | | | | | | | | |
| OLIVIA-2 MPL 1200 OP 5000 840 IP66 (light grey, similar to RAL 7035) | EO10310393 | 840 | 5000 lm | 32 W | 156 lm/W | < 25 | | OP | IP66 | ON/OFF | | | LED EEI C | X 1185, Y 85, Z 86 | BF | • | ★ |
| OLIVIA-2 MPL 1200 OP 5000 840 IP66 3h 5x2.5 (light grey, similar to RAL 7035) | EO10310423 | 840 | 5000 lm | 36 W | 138 lm/W | < 25 | | OP | IP66 | ON/OFF | | | LED EEI C | X 1185, Y 85, Z 86 | DC | • | ★ |
| OLIVIA-2 MPL 1200 OP 5000 840 IP66 3h 5x2.5 DALI-2 (light grey, similar to RAL 7035) | EO10310386 | 840 | 5000 lm | 36 W | 138 lm/W | < 25 | | OP | IP66 | DALI-2 | | | LED EEI C | X 1185, Y 85, Z 86 | BZ | • | ★ |
| OLIVIA-2 MPL 1200 OP 5000 840 IP66 5x2.5 (light grey, similar to RAL 7035) | EO10310409 | 840 | 5000 lm | 32 W | 156 lm/W | < 25 | | OP | IP66 | ON/OFF | | | LED EEI C | X 1185, Y 85, Z 86 | BF | • | ★ |
| OLIVIA-2 MPL 1200 OP 5000 840 IP66 5x2.5 DALI-2 (light grey, similar to RAL 7035) | EO10310362 | 840 | 5000 lm | 33 W | 151 lm/W | < 25 | | OP | IP66 | DALI-2 | | | LED EEI C | X 1185, Y 85, Z 86 | BZ | • | ★ |
| OLIVIA-2 MPL 1200 OP 5000 840 IP66 5x2.5 MD (light grey, similar to RAL 7035) | EO10310416 | 840 | 5000 lm | 33 W | 151 lm/W | < 25 | | OP | IP66 | ON/OFF | • | | LED EEI C | X 1185, Y 85, Z 86 | BF | • | ★ |
| OLIVIA-2 MPL 1200 OP 5000 840 IP66 5x2.5 MD DALI-2 (light grey, similar to RAL 7035) | EO10310379 | 840 | 5000 lm | 35 W | 142 lm/W | < 25 | | OP | IP66 | DALI-2 | • | | LED EEI C | X 1185, Y 85, Z 86 | BZ | • | ★ |
| **4000 K / 1500 mm / 44 W** | | | | | | | | | | | | | | | | | |
| OLIVIA-2 MPL 1500 OP 6800 840 IP66 (light grey, similar to RAL 7035) | EO10310461 | 840 | 6800 lm | 42 W | 161 lm/W | < 25 | | OP | IP66 | ON/OFF | | | LED EEI C | X 1477, Y 85, Z 86 | BF | • | ★ |
| OLIVIA-2 MPL 1500 OP 6800 840 IP66 3h 5x2.5 (light grey, similar to RAL 7035) | EO10310492 | 840 | 6800 lm | 46 W | 147 lm/W | < 25 | | OP | IP66 | ON/OFF | | | LED EEI C | X 1477, Y 85, Z 86 | DC | • | ★ |
| OLIVIA-2 MPL 1500 OP 6800 840 IP66 3h 5x2.5 DALI-2 (light grey, similar to RAL 7035) | EO10310454 | 840 | 6800 lm | 46 W | 147 lm/W | < 25 | | OP | IP66 | DALI-2 | | | LED EEI C | X 1477, Y 85, Z 86 | BZ | • | ★ |
| OLIVIA-2 MPL 1500 OP 6800 840 IP66 5x2.5 (light grey, similar to RAL 7035) | EO10310478 | 840 | 6800 lm | 42 W | 161 lm/W | < 25 | | OP | IP66 | ON/OFF | | | LED EEI C | X 1477, Y 85, Z 86 | BF | • | ★ |
| OLIVIA-2 MPL 1500 OP 6800 840 IP66 5x2.5 DALI-2 (light grey, similar to RAL 7035) | EO10310430 | 840 | 6800 lm | 43 W | 158 lm/W | < 25 | | OP | IP66 | DALI-2 | | | LED EEI C | X 1477, Y 85, Z 86 | BZ | • | ★ |
| OLIVIA-2 MPL 1500 OP 6800 840 IP66 5x2.5 MD (light grey, similar to RAL 7035) | EO10310485 | 840 | 6800 lm | 43 W | 158 lm/W | < 25 | | OP | IP66 | ON/OFF | • | | LED EEI C | X 1477, Y 85, Z 86 | BF | • | ★ |
| OLIVIA-2 MPL 1500 OP 6800 840 IP66 5x2.5 MD DALI-2 (light grey, similar to RAL 7035) | EO10310447 | 840 | 6800 lm | 45 W | 151 lm/W | < 25 | | OP | IP66 | DALI-2 | • | | LED EEI C | X 1477, Y 85, Z 86 | BZ | • | ★ |





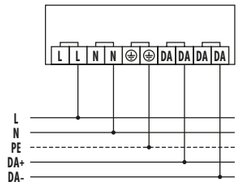
| Product group/product name | Item no. | Product description | Dimensions (mm) | Core portfolio | New product |
|---|---|---|---|---|---|
| **Accessories** | | | | | |
| OLIVIA-2 HANGER BRACKET SET 2x | EO10310515 | 2x stainless steel hangers for suspended mounting. For insertion into the mounting brackets supplied with the OLIVIA-2 moisture-proof luminaires. | | • | ★ |
| OLIVIA-2 WALL MOUNTING BRACKET SET 2x | EO10310508 | 2x reinforced stainless steel mounting brackets for wall mounting. | | • | ★ |

**BF**



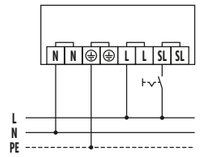

Standard operation.

**BZ**




Standard operation.

**DC**




Standard operation.

- **Special lens for outstandingly far-reaching illumination**

**5 YEARS MANUFACTURER WARRANTY**



The ELH series provides escape route lighting for single-battery operation with a lens construction that is specially designed for extensive areas — either for oval illumination of floors or circular illumination of large rooms. Its larger-than-average range reduces the number of lights required. The integrated DALI interface ensures high levels of control flexibility during operation and convenient maintenance.





# ELH
# RELIABLY ILLUMINATE EXTENSIVE AREAS

Single-battery 3-h emergency light

Special lenses for the far-reaching illumination of large rooms (O) or long hallways (C)

Test results indicated by coloured status LEDs

Includes rechargeable NiCd battery with reverse polarity protected connection

Optional remote disconnection and status readout function via DALI bus



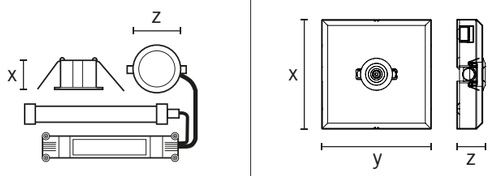
Suitable for surface or recessed ceiling mounting

Continual load monitoring with automatic weekly function test and six-monthly continuous function test

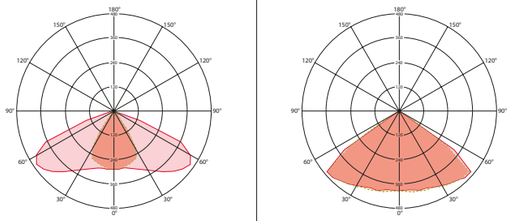
Optionally, operation in continuous or standby mode

Connection via push terminals with through-wiring option

## PRODUCT TYPES




## LIGHT DISTRIBUTION




C0, C90, C0 / C90

Note: Technical data for specific products can be found at www.esylux.com.

# ELH

## INDOOR LIGHTING / EMERGENCY LIGHTS



- Single-battery 3-h emergency light
- Suitable for surface or recessed ceiling mounting
- Special lenses for the far-reaching illumination of large rooms (O) or long hallways (C)
- Continual load monitoring with automatic weekly function test and six-monthly continuous function test
- Test results indicated by coloured status LEDs
- Optionally, operation in continuous or standby mode
- Includes rechargeable NiCd battery with reverse polarity protected connection
- Connection via push terminals with through-wiring option
- Optional remote disconnection and status readout function via DALI bus

| Product group/product name | Item no. | Installation position | Installation type | Light duration | Viewing distance | Luminous flux | Rated output P | Luminous efficacy | Lamp holder | DALI | Automatic testing | Battery | Dimensions (mm) | Circuit diagram | Core portfolio | New product |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **3 h / Corridor** | | | | | | | | | | | | | | | | |
| ELH EL LED 3h SC RM CORRIDOR (white, similar to RAL 9016) | EN10080012 | Ceiling | RM | 3 h | | 155 lm | 4 W | 38 lm/W | | • | • | NiCd | X 55, Z 45 | CB | • | |
| ELH EL LED 3h SC SM CORRIDOR (white, similar to RAL 9016) | EN10080005 | Ceiling | SM | 3 h | | 155 lm | 4 W | 38 lm/W | | • | • | NiCd | X 190, Y 190, Z 44 | CA | • | |
| **3 h / Office** | | | | | | | | | | | | | | | | |
| ELH EL LED 3h SC RM OFFICE (white, similar to RAL 9016) | EN10080029 | Ceiling | RM | 3 h | | 155 lm | 4 W | 38 lm/W | | • | • | NiCd | X 55, Z 45 | CB | • | |
| ELH EL LED 3h SC SM OFFICE (white, similar to RAL 9016) | EN10080036 | Ceiling | SM | 3 h | | 155 lm | 4 W | 38 lm/W | | • | • | NiCd | X 190, Y 190, Z 44 | CA | • | |

| Product group/product name | Item no. | Product description | Dimensions (mm) | Core portfolio | New product |
|---|---|---|---|---|---|
| **Spare parts** | | | | | |
| **Battery** | | | | | |
| ELH FM BATTERY 2000mAh | EN00007361 | Battery for ELH series, 2000 mAh, built-in version | X 37, Z 210 | • | |
| ELH SM BATTERY NiCd 2000mAh | EN00007378 | Battery for ELH series, 2000 mAh, surface-mounted version | X 25, Z 170 | • | |

CA




Standard operation.

CB




Standard operation.



- **Large wiring area with numerous line feeds**

**5 YEARS MANUFACTURER WARRANTY**






With the same basic housing, the ELX series LED emergency lights supplement the escape route signage in the SLX series with a reliable, energy-efficient escape route light. In addition to the large illumination area, they impress with their versatile installation options and easy installation. Designs for systems with single-battery or central battery operation are available.

Parameterisable with ESY-Pen and ESY-App. More on pages 220 – 221 and at: esylux.com/esy-pen.





# ELX
# IMPROVED SAFETY EASILY INSTALLED

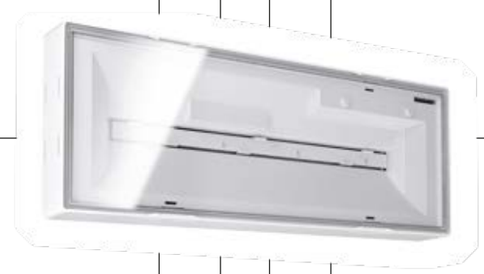
Single-battery emergency light for escape route lighting with 3-hour or 8-hour emergency light duration

Self-monitoring with coloured status indicator

Optionally, operation in continuous or stand-by mode possible

Continual load monitoring with automatic weekly function test and six-monthly continuous function test

Wide range of accessories available for a variety of installation types



Basic housing made from UV-stabilised plastic with large wiring area and line feeds from several directions

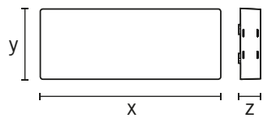
Tamper-resistant function check can be executed by remote control or magnet

Plug-in terminal with through-wiring function

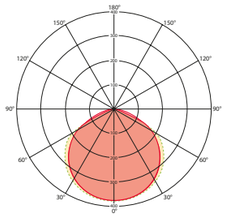
Test results shown on coloured status display

Replaceable, rechargeable NiCd battery with plug-in connection protected against reverse polarity

## PRODUCT TYPES




## LIGHT DISTRIBUTION




C0, C90, C0 / C90

Note: Technical data for specific products can be found at www.esylux.com.

# ELX

## INDOOR LIGHTING / EMERGENCY LIGHTS



- Single-battery emergency light for escape route lighting with 3-hour or 8-hour emergency light duration
- Basic housing made from UV-stabilised plastic with large wiring area and line feeds from several directions
- Self-monitoring with coloured status indicator
- Tamper-resistant function check can be executed by remote control or magnet
- Optionally, operation in continuous or stand-by mode possible
- Plug-in terminal with through-wiring function
- Continual load monitoring with automatic weekly function test and six-monthly continuous function test
- Test results shown on coloured status display
- Wide range of accessories available for a variety of installation types
- Replaceable, rechargeable NiCd battery with plug-in connection protected against reverse polarity
- Variant (CPS) for connecting to a central, uninterruptible power supply (24 V – 230 V AC/DC)

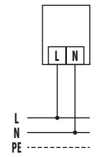
| Product group/product name | Item no. | Installation position | Installation type | Light duration | Viewing distance | Luminous flux | Rated output P | Luminous efficacy | Lamp holder | DALI | Automatic testing | Battery | Dimensions (mm) | Circuit diagram | Core portfolio | New product |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **3 h / ELX** | | | | | | | | | | | | | | | | |
| ELX EL LED 3h IR SM (white, similar to RAL 9016) | EN10077227 | Ceiling / wall | SM | 3 h | | 186 lm | 3 W | 62 lm/W | | | | NiCd | X 388, Y 148, Z 46 | BX | • | |
| **8 h / ELX** | | | | | | | | | | | | | | | | |
| ELX EL LED 8h IR SM (white, similar to RAL 9016) | EN10077340 | Ceiling / wall | SM | 8 h | | 60 lm | 3 W | 20 lm/W | | | | NiCd | X 388, Y 148, Z 46 | BX | • | |
| **CPS / ELX** | | | | | | | | | | | | | | | | |
| ELX EL LED CPS SM (white, similar to RAL 9016) | EN10077067 | Ceiling / wall | SM | | | 200 lm | 3 W | 66 lm/W | | | | | X 388, Y 148, Z 46 | CC | • | |

| Product group/product name | Item no. | Product description | Dimensions (mm) | Core portfolio | New product |
|---|---|---|---|---|---|
| **Accessories** | | | | | |
| **Mounting** | | | | | |
| SLX/ELX MOUNTING FRAME 430 FM | EN10077234 | Installation frame for SLX and ELX series, installation hole size 430 x 155 mm | X 469, Y 229, Z 36 | • | |
| SLX/ELX TUBE PENDULUM SET | EN10078316 | Conduit pendulum set for SLX and ELX series | X 530 | • | |
| SLX/ELX WALL BRACKET 110 | EN10077289 | Wall bracket mounting for SLX and ELX series, 110 mm length | X 112, Y 35, Z 55 | • | |
| **Protection** | | | | | |
| SLX/ELX BASKET GUARD WALL | EN10077265 | Basket guard for SLX and ELX series, 80 mm high | X 440, Y 230, Z 80 | • | |
| **Remote control** | | | | | |
| ESY-Pen | EP10425356 | ESY-Pen and ESY-App, two tools for every task: (1) Parameterisation, (2) remote control, (3) light measurement, (4) project management | X 166, Y 24, Z 21.5 | • | |
| SL REMOTE CONTROL | EN10017704 | IR remote control for emergency lights | X 56, Y 29, Z 7 | • | |



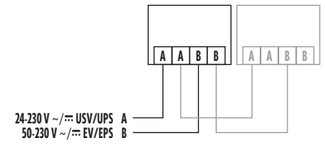
| Product group/product name | Item no. | Product description | Dimensions (mm) | Core portfolio | New product |
|---|---|---|---|---|---|
| **Spare parts** | | | | | |
| **Battery** | | | | | |
| ELX BATTERY NiCd 1800mAh | EN10077418 | NiCd rechargeable battery (3.6V/1800 mAh) for ELX series with reverse polarity protected plug-in connection | X 130, Y 24, Z 24 | • | |

BX




Standard operation.

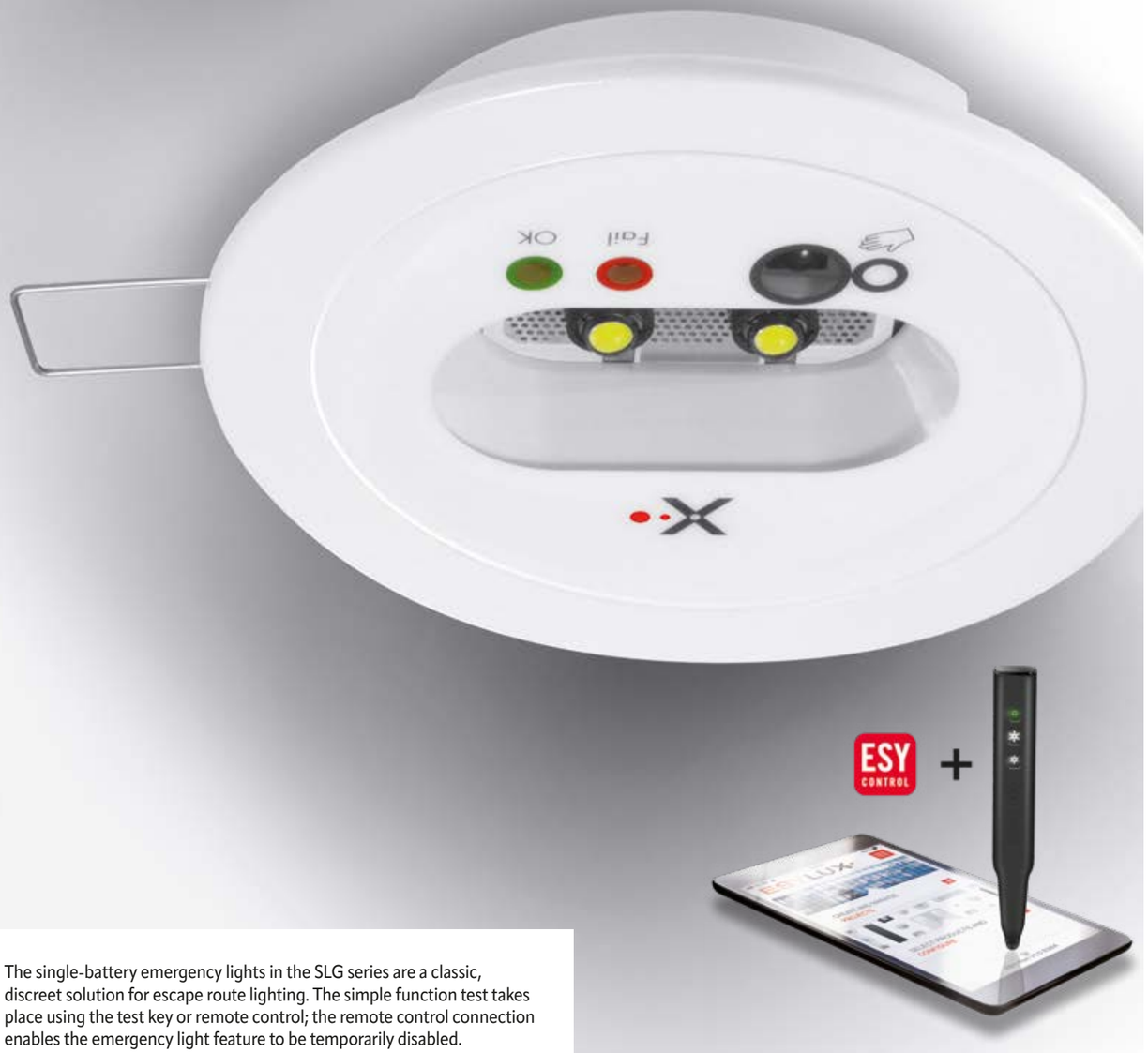
CC




Standard operation with optional series connection to other emergency lights.

- Can be switched off remotely when not in use

5 YEARS MANUFACTURER WARRANTY




The single-battery emergency lights in the SLG series are a classic, discreet solution for escape route lighting. The simple function test takes place using the test key or remote control; the remote control connection enables the emergency light feature to be temporarily disabled.

Parameterisable with ESY-Pen and ESY-App. More on pages 220 – 221 and at: esylux.com/esy-pen.





# SLG
# UNOBTRUSIVE, SAFE, CAN BE SWITCHED OFF REMOTELY

Single-battery 3 h emergency light

Self-control (SC) and fail-safe contact (opens in event of fault)

Function test and self-control feature can be enabled using conventional test key or conveniently using the SL REMOTE CONTROL

Test results indicated by coloured status LEDs

Includes rechargeable NiMh battery with reverse polarity protected connection



Suitable for recessed ceiling mounting

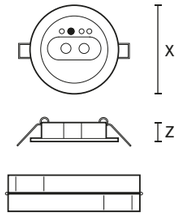
Additional remote control connection (F+, F-) for disabling emergency lighting when building is not in use

Continual load monitoring with automatic weekly function test and six-monthly continuous function test

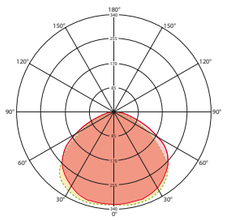
Operation either in continuous or standby mode

Connection via plug-in terminals

## PRODUCT TYPES




## LIGHT DISTRIBUTION




C0, C90, C0 / C90

Note: Technical data for specific products can be found at www.esylux.com.

# SLG

## INDOOR LIGHTING / EMERGENCY LIGHTS

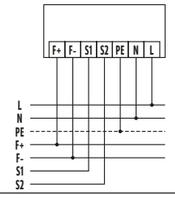


- Single-battery 3 h emergency light
- Suitable for recessed ceiling mounting
- Self-control (SC) and fail-safe contact (opens in event of fault)
- Additional remote control connection (F+, F-) for disabling emergency lighting when building is not in use
- Function test and self-control feature can be enabled using conventional test key or conveniently using the SL REMOTE CONTROL
- Continual load monitoring with automatic weekly function test and six-monthly continuous function test
- Test results indicated by coloured status LEDs
- Operation either in continuous or standby mode
- Includes rechargeable NiMh battery with reverse polarity protected connection
- Connection via plug-in terminals

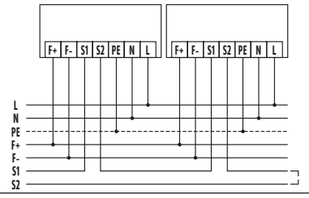
| Product group/product name | Item no. | Installation position | Installation type | Light duration | Viewing distance | Luminous flux | Rated output P | Luminous efficacy | Lamp holder | DALI | Automatic testing | Battery | Dimensions (mm) | | Circuit diagram | Core portfolio | New product |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **3 h / SLG** | | | | | | | | | | | | | | | | | |
| SLG EL LED 3h IR RM (white, similar to RAL 9010) | EN10061301 | Ceiling | RM | 3 h | | 100 lm | 4 W | 25 lm/W | | | | NiMH | X 90, Z 37 | | CE | • | |

| Product group/product name | Item no. | Product description | Dimensions (mm) | | Core portfolio | New product |
|---|---|---|---|---|---|---|
| **Accessories** | | | | | | |
| **Mounting** | | | | | | |
| SLG BRACKET SET | EN10061318 | Mounting set for SLG series | X 180, Y 55, Z 42 | | • | |
| **Remote control** | | | | | | |
| ESY-Pen | EP10425356 | ESY-Pen and ESY-App, two tools for every task: (1) Parameterisation, (2) remote control, (3) light measurement, (4) project management | X 166, Y 24, Z 21,5 | | • | |
| SL REMOTE CONTROL | EN10017704 | IR remote control for emergency lights | X 56, Y 29, Z 7 | | • | |

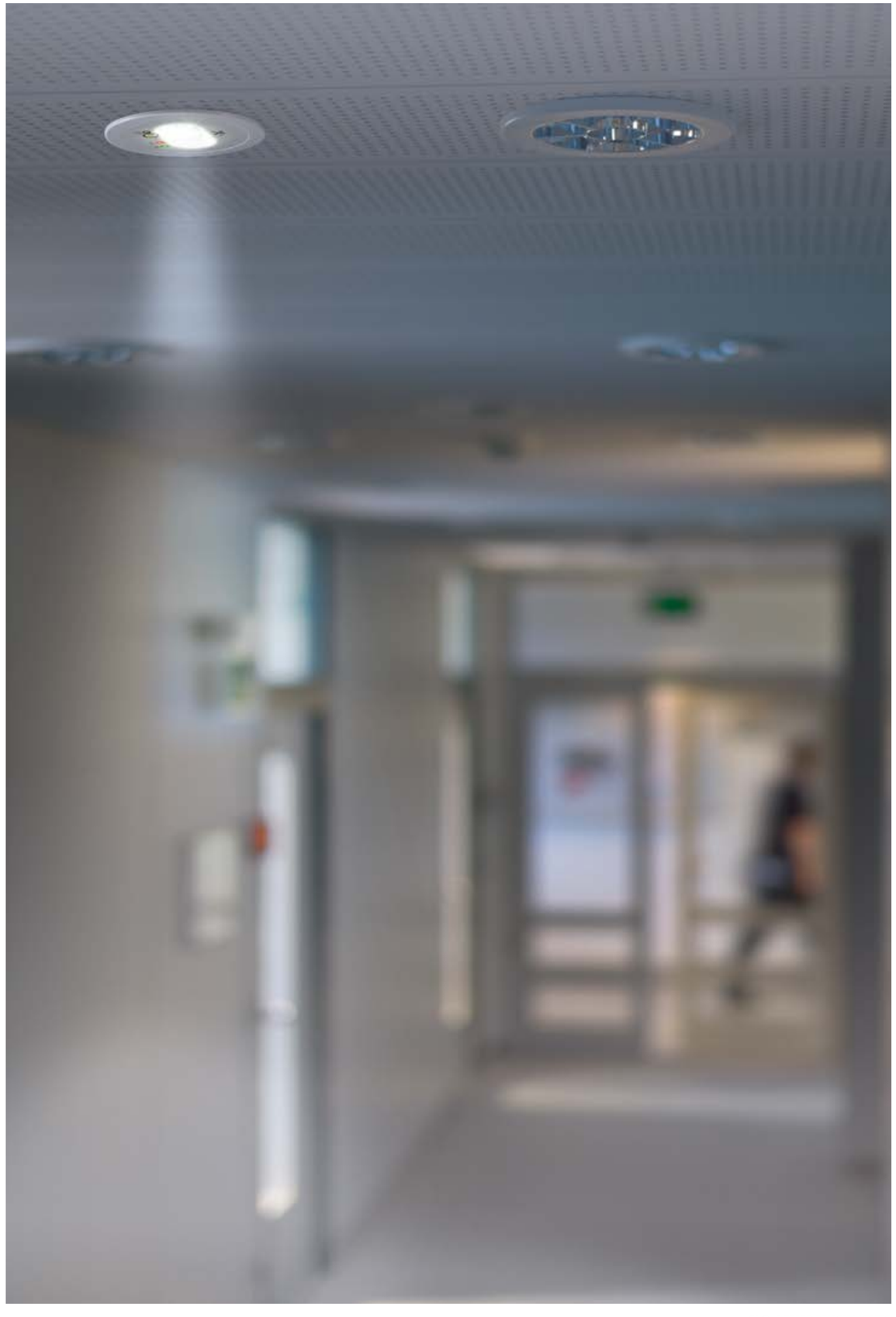
CE




Standard operation with fail-safe contact and remote switch-off contact.




Series connection with other emergency lights.







INDOOR LIGHTING

- **Function control via remote control possible**
- **Flexible wall or ceiling mounting without accessories**
- **Variants with self-control are available**

**5 YEARS MANUFACTURER WARRANTY**




The single-battery emergency lights in the SLA series are a conventional emergency sign solution with a viewing distance of 14 metres. Either the test button or remote control can be used for simple function testing, with LED versions with self-control also available. An accessory basket guard enhances safety for ceiling mounting, whilst the additional downwards light emission ensures better orientation in an emergency.




Parameterisable with ESY-Pen and ESY-App. More on pages 220 – 221 and at: esylux.com/esy-pen.





# SLA
# REMOTELY CONTROLLED, COMPACT EMERGENCY LIGHT FOR VARIOUS AREAS OF APPLICATION

Single-battery emergency light with 3 h or 8 h emergency light duration and 14 m detection range

Including lamp and symbol sheets (depending on variant)

Continuous and standby mode

Additional downwards light emission for better orientation in case of emergency

Connection via push terminals

Suitable for wall and ceiling mounting

Simple function test using conventional test key or convenient ESY-Pen and ESY-App or SL REMOTE CONTROL remote control; LED status indicator

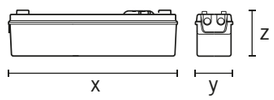
LED variants with self-control

Includes rechargeable battery with reverse polarity protected connection

Rear or side line entrance with elastic sealing membranes



## PRODUCT TYPES




Note: Technical data for specific products can be found at www.esylux.com.

# SLA

## INDOOR LIGHTING / EMERGENCY LIGHTS



- Single-battery emergency light with 3 h or 8 h emergency light duration and 14 m detection range
- Suitable for wall and ceiling mounting
- Including lamp and symbol sheets (depending on variant)
- Simple function test using conventional test key or convenient ESY-Pen and ESY-App or SL REMOTE CONTROL remote control; LED status indicator
- Continuous and standby mode
- LED variants with self-control
- Additional downwards light emission for better orientation in case of emergency
- Includes rechargeable battery with reverse polarity protected connection
- Connection via push terminals
- Rear or side line entrance with elastic sealing membranes

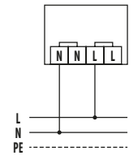
| Product group/product name | Item no. | Installation position | Installation type | Light duration | Viewing distance | Luminous flux | Rated output P | Luminous efficacy | Lamp holder | DALI | Automatic testing | Battery | Dimensions (mm) | Circuit diagram | Core portfolio | New product |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **14 m / SLA** | | | | | | | | | | | | | | | | |
| SLA EL LED 3h 14m IR SC SM (white, similar to RAL 9003) | EN10017551 | Ceiling / wall | SM | 3 h | 14 m | | 3 W | | | | • | $LiFePO_4$ | X 355, Y 90, Z 115 | BR | • | |
| SLA EL LED 8h 14m IR SC SM (white, similar to RAL 9003) | EN10032660 | Ceiling / wall | SM | 8 h | 14 m | | 3 W | | | | • | $LiFePO_4$ | X 355, Y 90, Z 115 | BR | • | |

| Product group/product name | Item no. | Product description | Dimensions (mm) | Core portfolio | New product |
|---|---|---|---|---|---|
| **Accessories** | | | | | |
| **Protection** | | | | | |
| SLA 14 BASKET GUARD | EN10017841 | Basket guard for SLA series with normal unit (14 m) | X 410, Y 140, Z 140 | • | |
| **Remote control** | | | | | |
| ESY-Pen | EP10425356 | ESY-Pen and ESY-App, two tools for every task: (1) Parameterisation, (2) remote control, (3) light measurement, (4) project management | X 166, Y 24, Z 21,5 | • | |
| SL REMOTE CONTROL | EN10017704 | IR remote control for emergency lights | X 56, Y 29, Z 7 | • | |
| **Symbol** | | | | | |
| SLA 14 SYMBOL SET 2 | EN10032707 | Symbol set for SLA series, 14 m, detection range, up right, up left, down right, down left | X 310, Z 70 | • | |



| Product group/product name | Item no. | Product description | Dimensions (mm) | Core portfolio | New product |
|---|---|---|---|---|---|
| **Spare parts** | | | | | |
| **Battery** | | | | | |
| SLA/SLB BATTERY LiFePO4 1500mAh | EN10032721 | Spare battery for emergency lights of the SLA and SLB series, revised from 2022 with LiFePO4 rechargeable battery | X 18, Z 65 | • | |
| **Symbol** | | | | | |
| SLA 14 SYMBOL SET 1 | EN10032769 | Symbol set for SLA series, 14 m detection range, arrow right, left, upwards and downwards | X 310, Z 70 | • | |

BR




Standard operation.

- **Flexible wall or ceiling mounting without accessories**

**5 YEARS MANUFACTURER WARRANTY**




The single-battery emergency lights in the SLB series are a conventional solution for locations that require a viewing distance of 21 metres. Their function can be tested easily using the test button and the push terminals enable fast and easy wall or ceiling mounting. Additional downwards light emission ensures better orientation in an emergency.





# SLB
# ROBUST, EASY-TO-USE EMERGENCY LIGHT

Single-battery emergency light with 3 hour or 8 hour emergency light duration and 21 m viewing distance

Includes light source and symbol-sheets

Continuous and standby mode

Includes rechargeable battery with reverse polarity protected connection

Line entrance on the back or side with elastic sealing membranes



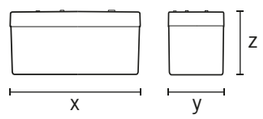

Suitable for wall and ceiling mounting

Simple standard function test with test key, LED status indicator

Additional light distribution below for better orientation in an emergency

Connection via push terminals

## PRODUCT TYPES




Note: Technical data for specific products can be found at www.esylux.com.

# SLB

## INDOOR LIGHTING / EMERGENCY LIGHTS



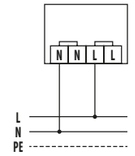
- Single-battery emergency light with 3 hour or 8 hour emergency light duration and 21 m viewing distance
- Suitable for wall and ceiling mounting
- Includes light source and symbol-sheets
- Simple standard function test with test key, LED status indicator
- Continuous and standby mode
- Additional light distribution below for better orientation in an emergency
- Includes rechargeable battery with reverse polarity protected connection
- Connection via push terminals
- Line entrance on the back or side with elastic sealing membranes

| Product group/product name | Item no. | Installation position | Installation type | Light duration | Viewing distance | Luminous flux | Rated output P | Luminous efficacy | Lamp holder | DALI | Automatic testing | Battery | Dimensions (mm) | Circuit diagram | Core portfolio | New product |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **21 m / SLB** | | | | | | | | | | | | | | | | |
| SLB EL LED 3h 21m SM (white, similar to RAL 9003) | EN10026836 | Ceiling / wall | SM | 3 h | 21 m | | 3 W | | | | | $LiFePO_4$ | X 250, Y 150, Z 135 | BR | • | |
| SLB EL LED 8h 21m SM (white, similar to RAL 9003) | EN10032677 | Ceiling / wall | SM | 8 h | 21 m | | 3 W | | | | | $LiFePO_4$ | X 250, Y 150, Z 135 | BR | • | |

| Product group/product name | Item no. | Product description | Dimensions (mm) | Core portfolio | New product |
|---|---|---|---|---|---|
| **Accessories** | | | | | |
| **Protection** | | | | | |
| SLB 21 BASKET GUARD | EN10027062 | Basket guard for SLB series | X 310, Y 185, Z 190 | • | |
| **Symbol** | | | | | |
| SLB 21 SYMBOL SET 2 | EN10032738 | Symbol set for SLB series, 21 m, detection range, up right, up left, down right, down left | X 210, Z 105 | • | |

| Product group/product name | Item no. | Product description | Dimensions (mm) | Core portfolio | New product |
|---|---|---|---|---|---|
| **Spare parts** | | | | | |
| **Battery** | | | | | |
| SLA/SLB BATTERY LiFePO4 1500mAh | EN10032721 | Spare battery for emergency lights of the SLA and SLB series, revised from 2022 with LiFePO4 rechargeable battery | X 18, Z 65 | • | |
| **Symbol** | | | | | |
| SLB 21 SYMBOL SET 1 | EN10032783 | Symbol set for SLB series, 21 m, detection range, right, left, up, down | X 210, Z 105 | • | |

BR




Standard operation.

INDOOR LIGHTING

- **Functional, high-quality and discreet design for diverse installation types**
- **Function control via remote control and self-control possible**
- **Can be switched off remotely when not in use**

**5 YEARS MANUFACTURER WARRANTY**

When sophisticated interior design demands discreetly designed escape route signage, design and functionality can be brought into perfect harmony with the SLC/SLD single-battery emergency lights. A wide range of variants enable flexible use — and are already preconfigured for various installation types.

Parameterisable with ESY-Pen and ESY-App. More on pages 220 – 221 and at: esylux.com/esy-pen.





# SLC/SLD
# HIGHEST LEVELS OF SAFETY IN HIGH-QUALITY DESIGN

Single-battery emergency light with 3 hour emergency light duration and 25 m (SLC) or 32 m (SLD) detection range

Variants for wall, wall arm, pendulum, surface ceiling and ceiling flush mounting

Self-control (SC) and fail-safe contact (opens in event of fault)

Additional remote control connection (F+, F-) for disabling emergency lighting when building is not in use



Includes illuminant (LEDs)

Function test and self-control feature can be enabled using conventional test key or conveniently using the ESY-Pen or SL REMOTE CONTROL

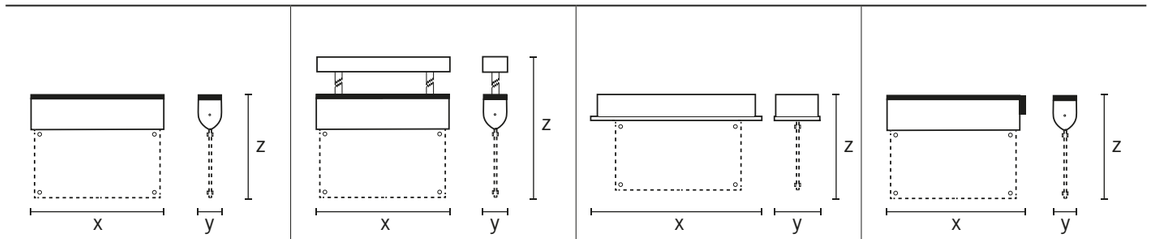
Continual load monitoring with automatic weekly function test and annual continuous function test

Test results indicated by coloured LEDs (green/red)

Continuous and standby mode

Includes rechargeable battery with reverse polarity protected connection

## PRODUCT TYPES




Note: Technical data for specific products can be found at www.esylux.com.

# SLC/SLD

## INDOOR LIGHTING / EMERGENCY LIGHTS



- Single-battery emergency light with 3 hour emergency light duration and 25 m (SLC) or 32 m (SLD) detection range
- Variants for wall, wall arm, pendulum, surface ceiling and ceiling flush mounting
- Self-control (SC) and fail-safe contact (opens in event of fault)
- Additional remote control connection (F+, F-) for disabling emergency lighting when building is not in use
- Includes illuminant (LEDs)
- Function test and self-control feature can be enabled using conventional test key or conveniently using the ESY-Pen or SL REMOTE CONTROL
- Continual load monitoring with automatic weekly function test and annual continuous function test
- Test results indicated by coloured LEDs (green/red)
- Continuous and standby mode
- Includes rechargeable battery with reverse polarity protected connection
- Connection via push terminals
- Exclusive symbol

| Product group/product name | Item no. | Installation position | Installation type | Light duration | Viewing distance | Luminous flux | Rated output P | Luminous efficacy | Lamp holder | DALI | Automatic testing | Battery | Dimensions (mm) | Circuit diagram | Core portfolio | New product |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **25 m / SLC** | | | | | | | | | | | | | | | | |
| SLC EL LED 3h 25m IR SC/C PM (aluminium) | EN10031595 | Ceiling | PM | | 25 m | | 3 W | | | | • | $LiFePO_4$ | X 300, Y 55, Z 575 | CE | • | ★ |
| SLC EL LED 3h 25m IR SC/C RM (white, similar to RAL 9010) | EN10031601 | Ceiling | RM | | 25 m | | 3 W | | | | • | $LiFePO_4$ | X 355, Y 115, Z 215 | CE | • | ★ |
| SLC EL LED 3h 25m IR SC/C SM (aluminium) | EN10031618 | Ceiling | SM | | 25 m | | 3 W | | | | • | $LiFePO_4$ | X 300, Y 55, Z 235 | CE | • | ★ |
| SLC EL LED 3h 25m IR SC/C WBM (aluminium) | EN10031632 | Wall bracket | SM | | 25 m | | 3 W | | | | • | $LiFePO_4$ | X 315, Y 55, Z 235 | CE | • | ★ |
| SLC EL LED 3h 25m IR SC/C WM (aluminium) | EN10031625 | Wall | SM | | 25 m | | 3 W | | | | • | $LiFePO_4$ | X 300, Y 67, Z 235 | CE | • | ★ |
| **32 m / SLD** | | | | | | | | | | | | | | | | |
| SLD EL LED 3h 32m IR SC/C PM (aluminium) | EN10031649 | Ceiling | PM | | 32 m | | 3 W | | | | • | $LiFePO_4$ | X 360, Y 55, Z 605 | CE | • | ★ |
| SLD EL LED 3h 32m IR SC/C RM (white, similar to RAL 9010) | EN10031656 | Ceiling | RM | | 32 m | | 3 W | | | | • | $LiFePO_4$ | X 425, Y 115, Z 245 | CE | • | ★ |
| SLD EL LED 3h 32m IR SC/C SM (aluminium) | EN10031663 | Ceiling | SM | | 32 m | | 3 W | | | | • | $LiFePO_4$ | X 360, Y 55, Z 270 | CE | • | ★ |
| SLD EL LED 3h 32m IR SC/C WBM (aluminium) | EN10031687 | Wall bracket | SM | | 32 m | | 3 W | | | | • | $LiFePO_4$ | X 375, Y 55, Z 270 | CE | • | ★ |
| SLD EL LED 3h 32m IR SC/C WM (aluminium) | EN10031670 | Wall | SM | | 32 m | | 3 W | | | | • | $LiFePO_4$ | X 360, Y 67, Z 270 | CE | • | ★ |

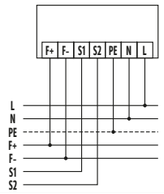
| Product group/product name | Item no. | Product description | Dimensions (mm) | Core portfolio | New product |
|---|---|---|---|---|---|
| **Accessories** | | | | | |
| **Remote control** | | | | | |
| ESY-Pen | EP10425356 | ESY-Pen and ESY-App, two tools for every task: (1) Parameterisation, (2) remote control, (3) light measurement, (4) project management | X 166, Y 24, Z 21,5 | • | |
| SL REMOTE CONTROL | EN10017704 | IR remote control for emergency lights | X 56, Y 29, Z 7 | • | |
| **Symbol** | | | | | |
| SLC SYMBOL SET ALTERNATIVE | EN10031694 | Alternative symbol set with 25 m detection range for single-battery emergency lights from the SLC series Six symbols (up (both sides), down left, down right, up left, up right), including mounting material | X 290, Y 145, Z 10 | • | ★ |
| SLD SYMBOL SET ALTERNATIVE | EN10031700 | Alternative symbol set with 32 m detection range for single-battery emergency lights from the SLD series. Six symbols (up (both sides), down left, down right, up left, up right), including mounting material. | X 350, Y 175, Z 10 | • | ★ |



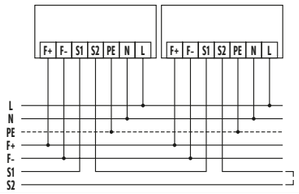


| Product group/product name | Item no. | Product description | Dimensions (mm) | Core portfolio | New product |
|---|---|---|---|---|---|
| **Spare parts** | | | | | |
| **Battery** | | | | | |
| SLC/SLD BATTERY LiFePO4 1500mAh | EN10433054 | Spare battery for emergency lights of the SLC and SLD series, revised from 2022 with LiFePO4 rechargeable battery | X 19, Z 68 | • | ★ |

CE




Standard operation with fail-safe contact and remote switch-off contact.




Series connection with other emergency lights.

- **Dual function as escape route signage and emergency lighting**
- **Function test possible by remote control possible**
- **Can be switched off remotely when not in use**

**5 YEARS MANUFACTURER WARRANTY**




The SLE/SLF series single-battery emergency lights are a classic solution for escape route signage where an optional emergency light duration of eight hours is also required in addition to the appropriate detection range. The simple function test takes place using the test key or remote control. A wide range of accessories enable use and easy installation in all common environments.

Parameterisable with ESY-Pen and ESY-App. More on pages 220 – 221 and at: esylux.com/esy-pen.





# SLE/SLF
# FLEXIBLE DUAL-FUNCTION EMERGENCY LIGHTING

Single-battery emergency light with 3-hour/8-hour emergency light duration and 23-m (SLE) or 30-m (SLF) detection range

Dual function as escape route signage and emergency lighting

3 h mode uses the symbol illumination and downlight function / 8 h mode uses the symbol illumination in emergency mode

Variants for wall and surface ceiling mounting




Self-control (SC) and fail-safe contact (opens in event of fault)

Additional remote control connection (F+, F-) for disabling emergency lighting when building is not in use

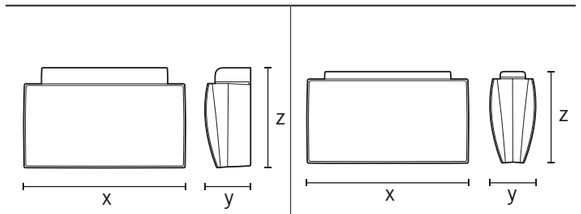
Includes illuminant (LEDs)

Function test and self-control feature can be enabled using a conventional test key or using the convenient SL REMOTE CONTROL

Continual load monitoring with automatic weekly function test and annual continuous function test

Test results indicated by coloured LEDs (green/red)

## PRODUCT TYPES




Note: Technical data for specific products can be found at www.esylux.com.

# SLE/SLF

## INDOOR LIGHTING / EMERGENCY LIGHTS



- Single-battery emergency light with 3-hour/8-hour emergency light duration and 23-m (SLE) or 30-m (SLF) detection range
- Dual function as escape route signage and emergency lighting
- 3 h mode uses the symbol illumination and downlight function / 8 h mode uses the symbol illumination in emergency mode
- Variants for wall and surface ceiling mounting
- Self-control (SC) and fail-safe contact (opens in event of fault)
- Additional remote control connection (F+, F-) for disabling emergency lighting when building is not in use
- Includes illuminant (LEDs)
- Function test and self-control feature can be enabled using a conventional test key or using the convenient SL REMOTE CONTROL
- Continual load monitoring with automatic weekly function test and annual continuous function test
- Test results indicated by coloured LEDs (green/red)
- Continuous and standby mode
- Includes rechargeable battery with reverse polarity protected connection
- Connection via push terminals

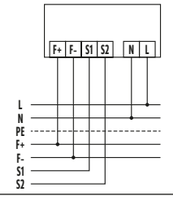
| Product group/product name | Item no. | Installation position | Installation type | Light duration | Viewing distance | Luminous flux | Rated output P | Luminous efficacy | Lamp holder | DALI | Automatic testing | Battery | Dimensions (mm) | Circuit diagram | Core portfolio | New product |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **23 m / SLE** | | | | | | | | | | | | | | | | |
| SLE EL LED 3h/8h 23m IR SC/C SM (white, similar to RAL 9003) | EN10061813 | Ceiling | SM | 3 h | 23 m | 65 lm | 4 W | 16 lm/W | | | • | $LiFePO_4$ | X 245, Y 67, Z 138 | CF | • | |
| SLE EL LED 3h/8h 23m IR SC/C WM (white, similar to RAL 9003) | EN10061806 | Wall | SM | 3 h | 23 m | 65 lm | 4,5 W | 14 lm/W | | | • | $LiFePO_4$ | X 245, Y 70, Z 147 | CF | • | |
| **30 m / SLF** | | | | | | | | | | | | | | | | |
| SLF EL LED 3h/8h 30m IR SC/C SM (white, similar to RAL 9003) | EN10061837 | Ceiling | SM | 3 h | 30 m | 65 lm | 5 W | 13 lm/W | | | • | $LiFePO_4$ | X 306, Y 72, Z 170 | CF | • | |
| SLF EL LED 3h/8h 30m IR SC/C WM (white, similar to RAL 9003) | EN10061820 | Wall | SM | 3 h | 30 m | 65 lm | 5 W | 13 lm/W | | | • | $LiFePO_4$ | X 306, Y 75, Z 184 | CF | • | |

| Product group/product name | Item no. | Product description | Dimensions (mm) | Core portfolio | New product |
|---|---|---|---|---|---|
| **Accessories** | | | | | |
| **Mounting** | | | | | |
| SLE WALL ARM | EN10060335 | Wall arm for SLE series | X 262, Y 108, Z 45 | • | |
| **Protection** | | | | | |
| SLE 24 BASKET GUARD WALL | EN10017995 | Basket guard for SLE series, 100 mm high | X 290, Y 205, Z 105 | • | |
| SLF 30 BASKET GUARD WALL | EN10017971 | Basket guard for SLF series, 100 mm high | X 360, Y 250, Z 105 | • | |
| **Remote control** | | | | | |
| ESY-Pen | EP10425356 | ESY-Pen and ESY-App, two tools for every task: (1) Parameterisation, (2) remote control, (3) light measurement, (4) project management | X 166, Y 24, Z 21,5 | • | |
| SL REMOTE CONTROL | EN10017704 | IR remote control for emergency lights | X 56, Y 29, Z 7 | • | |
| **Symbol** | | | | | |
| SLE 23 SYMBOL SET 2 | EN10032752 | Symbol set for SLE series, 23 m, detection range right upwards, left upwards, right downwards, left downwards | | • | ★ |
| SLF 30 SYMBOL SET 2 | EN10032806 | Symbol set for SLE series, 30 m, detection range right upwards, left upwards, right downwards, left downwards | | • | ★ |

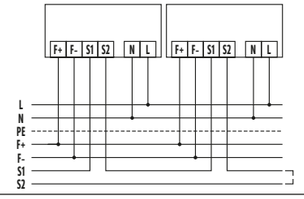


| Product group/product name | Item no. | Product description | Dimensions (mm) | Core portfolio | New product |
|---|---|---|---|---|---|
| **Spare parts** | | | | | |
| **Battery** | | | | | |
| SLE/SLF BATTERY LiFePO4 1500mAh | EN10077784 | Spare battery for emergency lights of the SLE and SLF series, revised from 2022 with LiFePO4 rechargeable battery | X 18, Z 67 | • | ★ |
| **Symbol** | | | | | |
| SLE 23 SYMBOL SET 1 | EN10032745 | Symbol set (23-m viewing distance) for single-battery emergency lights of the SLE series (arrows: right, left, up, 2x down and blank white) | | • | ★ |
| SLF 30 SYMBOL SET 1 | EN10032790 | Symbol set (30-m viewing distance) for single-battery emergency lights from the SLE series (arrows: right, left, up, 2x down and blank white) | | • | ★ |

CF




Standard operation with fail-safe contact and remote switch-off contact.




Series connection with other emergency lights.

- **Functional design for diverse installation types**
- **Can be switched off remotely when not in use**
- **Function control via remote control possible**

**5 YEARS MANUFACTURER WARRANTY**




The SLX series emergency lights provide variable LED solutions for indicating escape routes. Whether a classic, robust design, a modern, discreet design or a slim body especially for wall mounting: Due to the modular design concept, there is the right design for almost every requirement for the shared basic housing.

Parameterisable with ESY-Pen and ESY-App. More on pages 220 – 221 and at: esylux.com/esy-pen.





# SLX
# MODULAR CONCEPT WITH EASY INSTALLATION

Single-battery emergency light with 3-hour emergency light duration and 14-m, 24-m or 32-m detection range

Basic housing made from UV-stabilised plastic with large wiring area and line feeds from several directions

Self-control (SC)

Function test and self-control feature can be enabled using a conventional magnet or using the convenient SL REMOTE CONTROL

Test results indicated by coloured LEDs (green/red)

Variants for wall mounting and surface mounting on ceilings

Three attachment options: flat cover, display panel or High Cover

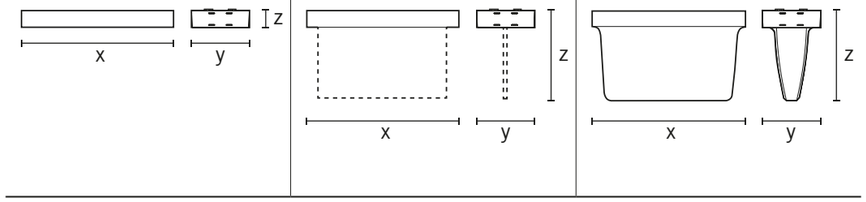
Includes illuminant (LEDs)

Continual load monitoring with automatic weekly function test and annual continuous function test

Continuous and standby mode




## PRODUCT TYPES




Note: Technical data for specific products can be found at www.esylux.com.

# SLX

## INDOOR LIGHTING / EMERGENCY LIGHTS



- Single-battery emergency light with 3-hour emergency light duration and 14-m, 24-m or 32-m detection range
- Variants for wall mounting and surface mounting on ceilings
- Basic housing made from UV-stabilised plastic with large wiring area and line feeds from several directions
- Three attachment options: flat cover, display panel or High Cover
- Self-control (SC)
- Includes illuminant (LEDs)
- Function test and self-control feature can be enabled using a conventional magnet or using the convenient SL REMOTE CONTROL
- Continual load monitoring with automatic weekly function test and annual continuous function test
- Test results indicated by coloured LEDs (green/red)
- Continuous and standby mode
- Includes rechargeable NiCd battery with reverse polarity protected connection
- Connection via push terminals with through-wiring option

| Product group/product name | Item no. | Installation position | Installation type | Light duration | Viewing distance | Luminous flux | Rated output P | Luminous efficacy | Lamp holder | DALI | Automatic testing | Battery | Dimensions (mm) | Circuit diagram | Core portfolio | New product |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **14 m / Flat** | | | | | | | | | | | | | | | | |
| SLX EL LED FLAT COVER 3h 14m IR WM (white, similar to RAL 9016) | EN10077609 | Wall | SM | 3 h | 14 m | | 3 W | | | | | NiCd | X 328, Y 108, Z 46 | CG | • | |
| **24 m / Display** | | | | | | | | | | | | | | | | |
| SLX EL LED DISPLAY 3h 24m IR SM (white, similar to RAL 9016) | EN10077371 | Ceiling / wall | SM | 3 h | 24 m | | 3 W | | | | | NiCd | X 328, Y 108, Z 195 | | • | |
| **24 m / Flat** | | | | | | | | | | | | | | | | |
| SLX EL LED FLAT COVER 3h 24m IR WM (white, similar to RAL 9016) | EN10077241 | Wall | SM | 3 h | 24 m | | 3 W | | | | | NiCd | X 388, Y 148, Z 46 | CG | • | |
| **24 m / High Cover** | | | | | | | | | | | | | | | | |
| SLX EL LED HIGH COVER 3h 24m IR SM (white, similar to RAL 9016) | EN10077357 | Ceiling / wall | SM | 3 h | 24 m | | 3 W | | | | | NiCd | X 328, Y 108, Z 206 | CG | • | |
| **32 m / Display** | | | | | | | | | | | | | | | | |
| SLX EL LED DISPLAY 3h 32m IR SM (white, similar to RAL 9016) | EN10077210 | Ceiling / wall | SM | 3 h | 32 m | | 3 W | | | | | NiCd | X 388, Y 148, Z 223 | | • | |
| **32 m / High Cover** | | | | | | | | | | | | | | | | |
| SLX EL LED HIGH COVER 3h 32m IR SM (white, similar to RAL 9016) | EN10077203 | Ceiling / wall | SM | 3 h | 32 m | | 3 W | | | | | NiCd | X 388, Y 148, Z 231 | CG | • | |

| Product group/product name | Item no. | Product description | Dimensions (mm) | Core portfolio | New product |
|---|---|---|---|---|---|
| **Accessories** | | | | | |
| **Mounting** | | | | | |
| SLX MOUNTING FRAME 370 FM | EN10077104 | Installation frame for SLX and ELX series, installation hole size 370 x 155 mm | X 409, Y 189, Z 36 | • | |
| SLX/ELX MOUNTING FRAME 430 FM | EN10077234 | Installation frame for SLX and ELX series, installation hole size 430 x 155 mm | X 469, Y 229, Z 36 | • | |
| SLX/ELX TUBE PENDULUM SET | EN10078316 | Conduit pendulum set for SLX and ELX series | X 530 | • | |
| SLX/ELX WALL BRACKET 110 | EN10077289 | Wall bracket mounting for SLX and ELX series, 110 mm length | X 112, Y 35, Z 55 | • | |



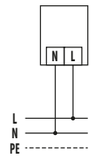


| Product group/product name | Item no. | Product description | Dimensions (mm) | Core portfolio | New product |
|---|---|---|---|---|---|
| **Protection** | | | | | |
| SLX/ELX BASKET GUARD CEILING | EN10077296 | Basket guard for SLX and ELX series, 260 mm high | X 440, Y 230, Z 260 | • | |
| SLX/ELX BASKET GUARD WALL | EN10077265 | Basket guard for SLX and ELX series, 80 mm high | X 440, Y 230, Z 80 | • | |
| **Remote control** | | | | | |
| ESY-Pen | EP10425356 | ESY-Pen and ESY-App, two tools for every task: (1) Parameterisation, (2) remote control, (3) light measurement, (4) project management | X 166, Y 24, Z 21,5 | • | |
| SL REMOTE CONTROL | EN10017704 | IR remote control for emergency lights | X 56, Y 29, Z 7 | • | |
| **Symbol** | | | | | |
| SLX 14 FLAT SYMBOL SET II | EN10077135 | Symbol set for SLX series, FLAT, 14 m detection range right upwards, left upwards, right downwards, left downwards | X 310, Y 90, Z 0,5 | • | |
| SLX 24 DISPLAY SYMBOL 1-SIDE DOWN | EN10079078 | One-sided pictograph panel with 24 m detection range | X 289, Y 155, Z 10 | • | |
| SLX 24 DISPLAY SYMBOL 1-SIDE LEFT | EN10079061 | One-sided pictograph panel with 24 m detection range | X 289, Y 155, Z 10 | • | |
| SLX 24 DISPLAY SYMBOL 1-SIDE RIGHT | EN10079054 | One-sided pictograph panel with 24 m detection range | X 289, Y 155, Z 10 | • | |
| SLX 24 DISPLAY SYMBOL 1-SIDE TOP | EN10032547 | One-sided pictograph panel with 24 m detection range | X 289, Y 155, Z 10 | • | |
| SLX 24 DISPLAY SYMBOL 2-SIDE DOWN | EN10079085 | Two-sided pictograph panel with 24 m detection range | X 289, Y 155, Z 10 | • | |
| SLX 24 DISPLAY SYMBOL 2-SIDE DOWN RIGHT LEFT | EN10032578 | Two-sided pictograph panel with 24 m detection range | X 289, Y 155, Z 10 | • | |
| SLX 24 DISPLAY SYMBOL 2-SIDE RIGHT LEFT | EN10079092 | Two-sided pictograph panel with 24 m detection range | X 289, Y 155, Z 10 | • | |
| SLX 24 DISPLAY SYMBOL 2-SIDE TOP | EN10032554 | Two-sided pictograph panel with 24 m detection range | X 289, Y 155, Z 10 | • | |
| SLX 24 DISPLAY SYMBOL 2-SIDE TOP RIGHT LEFT | EN10032561 | Two-sided pictograph panel with 24 m detection range | X 289, Y 155, Z 10 | • | |
| SLX 24 FLAT SYMBOL SET II | EN10077517 | Symbol set for SLX series, FLAT, 24 m detection range right upwards, left upwards, right downwards, left downwards | X 370, Y 130, Z 0,5 | • | |
| SLX 24 HIGH COVER SYMBOL SET II | EN10077159 | Symbol set for SLX series, High Cover, 24 m, detection range right upwards, left upwards, right downwards, left downwards | X 240, Y 120, Z 0,5 | • | |
| SLX 32 DISPLAY SYMBOL 1-SIDE DOWN | EN10079023 | One-sided pictogram panel with 32 m detection range | X 350, Y 190, Z 10 | • | |
| SLX 32 DISPLAY SYMBOL 1-SIDE LEFT | EN10079016 | One-sided pictogram panel with 32 m detection range | X 350, Y 190, Z 10 | • | |
| SLX 32 DISPLAY SYMBOL 1-SIDE RIGHT | EN10079009 | One-sided pictogram panel with 32 m detection range | X 350, Y 190, Z 10 | • | |
| SLX 32 DISPLAY SYMBOL 1-SIDE TOP | EN10032509 | One-sided pictogram panel with 32 m detection range | X 350, Y 190, Z 10 | • | |
| SLX 32 DISPLAY SYMBOL 2-SIDE DOWN | EN10079030 | Two-sided pictograph panel with 32 m detection range | X 350, Y 190, Z 10 | • | |
| SLX 32 DISPLAY SYMBOL 2-SIDE DOWN RIGHT LEFT | EN10032530 | Two-sided pictogram panel with 32 m detection range | X 350, Y 190, Z 10 | • | |
| SLX 32 DISPLAY SYMBOL 2-SIDE RIGHT LEFT | EN10079047 | Two-sided pictograph panel with 32 m detection range | X 350, Y 190, Z 10 | • | |
| SLX 32 DISPLAY SYMBOL 2-SIDE TOP | EN10032516 | Two-sided pictogram panel with 32 m detection range | X 350, Y 190, Z 10 | • | |
| SLX 32 DISPLAY SYMBOL 2-SIDE TOP RIGHT LEFT | EN10032523 | Two-sided pictogram panel with 32 m detection range | X 350, Y 190, Z 10 | • | |
| SLX 32 HIGH COVER SYMBOL SET II | EN10077531 | Symbol set for SLX series, High Cover, 32 m, detection range right upwards, left upwards, right downwards, left downwards | X 320, Y 160, Z 0,5 | • | |

| Product group/product name | Item no. | Product description | Dimensions (mm) | Core portfolio | New product |
|---|---|---|---|---|---|
| **Spare parts** | | | | | |
| **Battery** | | | | | |
| SLX BATTERY NiCd 800mAh | EN10077401 | NiCd rechargeable battery (3.6V/800 mAh) for SLX series with reverse polarity protected plug-in connection | X 153, Y 15, Z 15 | • | |
| **Symbol** | | | | | |
| SLX 14 FLAT SYMBOL SET I | EN10077128 | Symbol set for SLX series, FLAT, 14 m detection range right, left, upwards, downwards | X 310, Y 90, Z 0,5 | • | |
| SLX 24 FLAT SYMBOL SET I | EN10077500 | Symbol set for SLX series, FLAT, 24 m detection range right, left, upwards, downwards | X 370, Y 130, Z 0,5 | • | |

| Product group/product name | Item no. | Product description | Dimensions (mm) | Core portfolio | New product |
|---|---|---|---|---|---|
| SLX 24 HIGH COVER SYMBOL SET I | EN10077142 | Symbol set for SLX series, High Cover, 24 m detection range right, left, upwards, downwards | X 240, Y 120, Z 0,5 | • | |
| SLX 32 HIGH COVER SYMBOL SET I | EN10077524 | Symbol set for SLX series, High Cover, 32 m detection range right, left, upwards, downwards | X 320, Y 160, Z 0,5 | • | |

CG




Standard operation.



- **Portable spotlight with emergency light feature**

**5 YEARS MANUFACTURER WARRANTY**




The SLP-2 portable spotlight with emergency light feature is impressive thanks to its high luminosity and robustness. Whether continuous or flashing lights are required, clever details enable flexible use in buildings or as standard equipment for response vehicles.





# SLP-2
# MOBILE LIGHTING FOR ALL EVENTUALITIES

Portable spotlight with emergency light feature

Includes orange filter on the back

Charging cradle with power supply for connecting to 230 V and with plug for 12-V DC vehicle sockets

Lamp head can be swivelled 120° horizontally



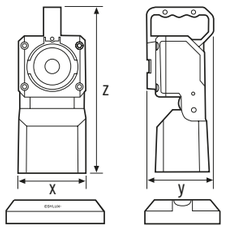

4-hour work light, 8-hour continuous light or 8-hour flashing light can be selected using the button

Standby mode for automatically switching on the light in the charging cradle in the event of a power failure

Maintenance-free lithium-ion rechargeable battery with charge status and capacity indicator

Mounting bracket for mounting the charging cradle on a wall is available as an accessory

## PRODUCT TYPES




Note: Technical data for specific products can be found at www.esylux.com.

# SLP-2

## INDOOR LIGHTING / PORTABLE SPOTLIGHT




- Portable spotlight with emergency light feature
- 4-hour work light, 8-hour continuous light or 8-hour flashing light can be selected using the button
- Includes orange filter on the back
- Standby mode for automatically switching on the light in the charging cradle in the event of a power failure
- Charging cradle with power supply for connecting to 230 V and with plug for 12-V DC vehicle sockets
- Maintenance-free lithium-ion rechargeable battery with charge status and capacity indicator
- Lamp head can be swivelled 120° horizontally
- Mounting bracket for mounting the charging cradle on a wall is available as an accessory

| Product group/product name | Item no. | Installation position | Installation type | Light duration | Viewing distance | Luminous flux | Rated output P | Luminous efficacy | Lamp holder | DALI | Automatic testing | Battery | Dimensions (mm) | Circuit diagram | Core portfolio | New product |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **6200 K** | | | | | | | | | | | | | | | | |
| SLP-2 (red/black) | EN10050015 | Wall | Surface / vehicle | | | 235 lm | | | | | | Li-Ion | X 122, Y 94, Z 270 | | • | |

| Product group/product name | Item no. | Product description | Dimensions (mm) | Core portfolio | New product |
|---|---|---|---|---|---|
| **Accessories** | | | | | |
| **Mounting** | | | | | |
| SLP-2 WALL MOUNTING PLATE | EN10050206 | Wall bracket for the charging cradle of the SLP-2 portable spotlight | X 150, Y 130, Z 110 | • | |

| Product group/product name | Item no. | Product description | Dimensions (mm) | Core portfolio | New product |
|---|---|---|---|---|---|
| **Spare parts** | | | | | |
| **Battery** | | | | | |
| SLP-2 BATTERY Li-Ion 2200mAh | EN10061127 | Spare Li-ion rechargeable battery (7.4 V/2200 mAh) for SLP-2 portable spotlight with plug connection protected against reverse polarity | X 17, Y 36, Z 65 | • | |
| **Power supply** | | | | | |
| SLP-2 POWER SUPPLY | EN10061110 | Plug-in power supply for portable spotlight | X 62, Y 36, Z 49 | • | |



- **Particularly flexible applications due to pivot joint**
- **Equipped with 360° creep protection**
- **KNX version with two dimmable light channels for orientation lights**

**5 YEARS MANUFACTURER WARRANTY**




The RC outdoor motion detectors are suitable for all common applications on building façades and projections thanks to the wide range of setting and installation options. A special bracket also enables trouble-free wall or ceiling mounting on inner and outer corners. 360° creep protection ensures unbroken coverage — and therefore maximum safety.

Parameterisable with ESY-Pen and ESY-App. More on pages 220 – 221 and at: esylux.com/esy-pen.





# RC
# RELIABLE DETECTION FOR FLEXIBLE USE

Movement and daylight-dependent switching of outdoor lighting

Special bracket for mounting on inner and outer corners available as an accessory

High level of safety thanks to 360° creep protection

Simple through-wiring thanks to the double cable entry with elastic sealing membrane

Wide range of options for adapting the detection range to the conditions at the property



Easy wall or ceiling mounting thanks to pivot joint and one-handed plug-in base with large wiring area

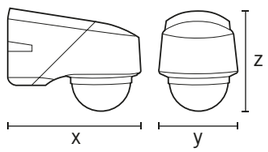
Immediately ready for use thanks to pre-installed factory settings

Convenient modification of settings and functions using an infrared remote control (e.g. permanent on/off switching of the lighting for 12 hours or automatic reading of the current light value)

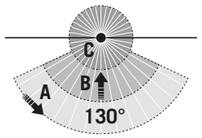
Retractable setting elements prevent unintentional parameter adjustment

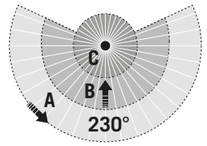
Zero-cross switching for LED switching that protects the relay

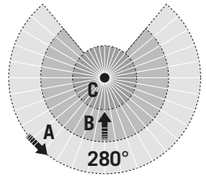
## PRODUCT TYPES




## FIELD OF DETECTION




## DETECTION RANGE

| | Wall 130° | Wall 230°/280° |
|---|---|---|
| Diagonally (A) | 20 m | Ø 40 m |
| Frontal (B) | 8 m | Ø 16 m |
| Creep protection (C) | Ø 6 m | Ø 6 m |

Note: Technical data for specific products can be found at www.esylux.com.

# RC

## OUTDOOR AUTOMATION / MOTION DETECTORS

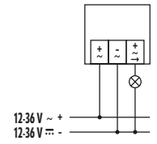


- Movement and daylight-dependent switching of outdoor lighting
- Easy wall or ceiling mounting thanks to pivot joint and one-handed plug-in base with large wiring area
- Special bracket for mounting on inner and outer corners available as an accessory
- Immediately ready for use thanks to pre-installed factory settings
- High level of safety thanks to 360° creep protection
- Convenient modification of settings and functions using an infrared remote control (e.g. permanent on/off switching of the lighting for 12 hours or automatic reading of the current light value)
- Simple through-wiring thanks to the double cable entry with elastic sealing membrane
- Retractable setting elements prevent unintentional parameter adjustment
- Wide range of options for adapting the detection range to the conditions at the property
- Zero-cross switching for LED switching that protects the relay

| Product group/product name | Item no. | Detection angle | Detection range | Installation type | Number of light channels | Function | Constant lighting control | Push button input lighting | In-rush current | Adjustable switch-off delay time | Number of HVAC-channels | Push button input HVAC | Slave input | Protection type | Dimensions (mm) | Circuit diagram | Core portfolio | New product |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Motion detectors / Ceiling and wall mounting / 12 - 36 V UC** | | | | | | | | | | | | | | | | | | |
| **12 - 36 V UC** | | | | | | | | | | | | | | | | | | |
| RC 230i UC (white, similar to RAL 9010) | EM10015649 | 230° | Ø 40 m | SM | 1 | Switching | | | • | | | | | IP54 | X 135, Y 78, Z 105 | AV | • | |
| **Motion detectors / Ceiling and wall mounting / KNX** | | | | | | | | | | | | | | | | | | |
| **KNX** | | | | | | | | | | | | | | | | | | |
| RC 230 KNX (white, similar to RAL 9010) | EM10015472 | 230° | Ø 40 m | SM | 2 | Switching/Regulate | • | 1 | | • | 1 | • | • | IP54 | X 135, Y 78, Z 105 | O | • | |
| RC 230 KNX BK (black, similar to RAL 9005) | EM10015489 | 230° | Ø 40 m | SM | 2 | Switching/Regulate | • | 1 | | • | 1 | • | • | IP54 | X 135, Y 78, Z 105 | O | • | ★ |
| **Motion detectors / Ceiling and wall mounting / ON/OFF** | | | | | | | | | | | | | | | | | | |
| **ON/OFF** | | | | | | | | | | | | | | | | | | |
| RC 130i black (black, similar to RAL 9005) | EM10015212 | 130° | r 20 m | SM | 1 | Switching | | | 100 A / 200 µs | • | | | | IP54 | X 135, Y 78, Z 105 | AW | • | |
| RC 130i brown (brown, similar to RAL 8017) | EM10015113 | 130° | r 20 m | SM | 1 | Switching | | | 100 A / 200 µs | • | | | | IP54 | X 135, Y 78, Z 105 | AW | • | |
| RC 130i white (white, similar to RAL 9010) | EM10015014 | 130° | r 20 m | SM | 1 | Switching | | | 100 A / 200 µs | • | | | | IP54 | X 135, Y 78, Z 105 | AW | • | |
| RC 230i black (black, similar to RAL 9005) | EM10015519 | 230° | Ø 40 m | SM | 1 | Switching | | | 100 A / 200 µs | • | | | | IP54 | X 135, Y 78, Z 105 | AW | • | |
| RC 230i brown (brown, similar to RAL 8017) | EM10015410 | 230° | Ø 40 m | SM | 1 | Switching | | | 100 A / 200 µs | • | | | | IP54 | X 135, Y 78, Z 105 | AW | • | |
| RC 230i white (white, similar to RAL 9010) | EM10015311 | 230° | Ø 40 m | SM | 1 | Switching | | | 100 A / 200 µs | • | | | | IP54 | X 135, Y 78, Z 105 | AW | • | |
| RC 230i stainless steel appearance (silver-grey, similar to RAL 9006) | EM10015618 | 230° | Ø 40 m | SM | 1 | Switching | | | 100 A / 200 µs | • | | | | IP54 | X 135, Y 78, Z 105 | AW | • | |
| RC 280i black (black, similar to RAL 9005) | EM10015915 | 280° | Ø 40 m | SM | 1 | Switching | | | 100 A / 200 µs | • | | | | IP54 | X 135, Y 78, Z 105 | AW | • | |
| RC 280i brown (brown, similar to RAL 8017) | EM10015816 | 280° | Ø 40 m | SM | 1 | Switching | | | 100 A / 200 µs | • | | | | IP54 | X 135, Y 78, Z 105 | AW | • | |
| RC 280i white (white, similar to RAL 9010) | EM10015717 | 280° | Ø 40 m | SM | 1 | Switching | | | 100 A / 200 µs | • | | | | IP54 | X 135, Y 78, Z 105 | AW | • | |

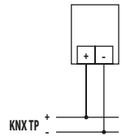
| Product group/product name | Item no. | Product description | Dimensions (mm) | Core portfolio | New product |
|---|---|---|---|---|---|
| **Accessories** | | | | | |
| **Electrical accessories** | | | | | |
| FILTER 230 V | EP10426988 | Filter for suppression of inductive loads, such as relays, contactors, fluorescent lamps and transformers | X 62, Y 26, Z 10 | • | |
| **Mounting** | | | | | |
| RC EDGE MOUNTING BK | EM10016134 | Corner bracket for RC series, black | X 85, Y 72, Z 38 | • | |
| RC EDGE MOUNTING BN | EM10016127 | Corner bracket for RC series, brown | X 85, Y 72, Z 38 | • | |
| RC EDGE MOUNTING SR | EM10016141 | Corner bracket for RC series, silver | X 85, Y 72, Z 38 | • | |
| RC EDGE MOUNTING WH | EM10016110 | Corner bracket for RC series, white | X 85, Y 72, Z 38 | • | |
| **Remote control** | | | | | |
| ESY-Pen | EP10425356 | ESY-Pen and ESY-App, two tools for every task: (1) Parameterisation, (2) remote control, (3) light measurement, (4) project management | X 166, Y 24, Z 21,5 | • | |
| RC REMOTE CONTROL | EM10016004 | IR remote control for RC series | X 100, Y 50, Z 9 | • | |
| REMOTE CONTROL USER | EM10016011 | IR remote control for end users | X 56, Y 29, Z 7 | • | |

### AV



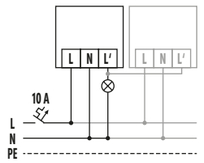

Standard operation.

### O

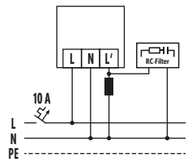



Standard operation.

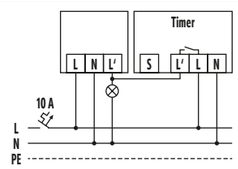
### AW



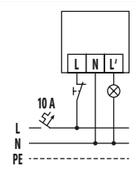

Standard operation with optional parallel wiring of max. eight motion detectors.




An RC filter (A) may be required when connecting inductors (e.g. relays, contactors, ballasts).




Standard operation with automatic stairwell light.




Standard operation with the additional possibility of switching on by hand.

- **Time-dependent operating modes**
- **Password protection against unauthorised parameterisation**
- **Intelligent vandalism and sabotage protection (light switches on in the event of a malfunction)**

**5 YEARS MANUFACTURER WARRANTY**




The DEFENSOR motion detectors can be relied upon in every situation thanks to intelligent vandalism and sabotage protection or time-dependent operating modes. Particularly convenient: With the factory settings, the device can be commissioned immediately and the settings can be conveniently adjusted at a later date using the ESY-Pen and ESY-App or remote controls for installer and user. Tailored configuration of fields of detection and variants with switch-off delay times based on motion direction detection mean that this device can be controlled even more precisely, while the many mounting options ensure great flexibility.

Parameterisable with ESY-Pen and ESY-App. More on pages 220 – 221 and at: esylux.com/esy-pen.





# DEFENSOR
# EASILY OFFERS MORE PROTECTION

Movement and daylight-dependent switching of outdoor lighting

Intelligent vandalism and sabotage protection (230° and 280°; light switches on in the event of a malfunction)

Switch-off delay times based on motion direction detection (230° and 280°)

Factory settings ensure immediate operability

Flexible sensor head for wall and ceiling mounting (230° and 280°)




Time-dependent operating modes (230° and 280°)

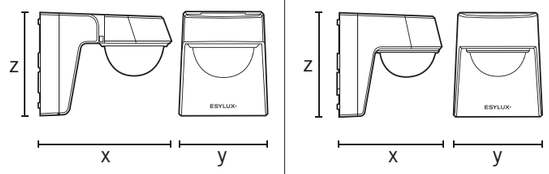
360° creep protection (230° and 280°; can be deactivated)

Password protection against unauthorised parameterisation

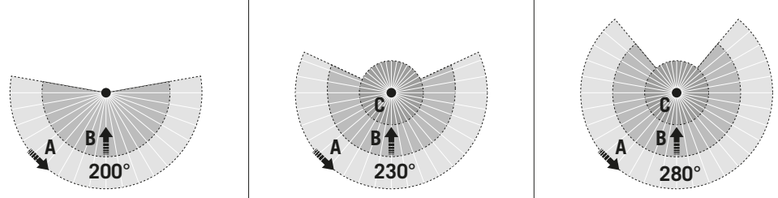
Easy to configure using the ESY-Pen and ESY-App or with remote controls for installer and user

Quick installation using push terminals up to 2.5 mm²

## PRODUCT TYPES




## FIELD OF DETECTION




## DETECTION RANGE

| | Wall 200° | Wall 230°/280° |
|---|---|---|
| Diagonally (A) | Ø 24 m | Ø 40 m |
| Frontal (B) | Ø 8 m | Ø 10 m |
| Creep protection (C) | - | Ø 4 m |

Note: Technical data for specific products can be found at www.esylux.com.

# DEFENSOR

## OUTDOOR AUTOMATION / MOTION DETECTORS



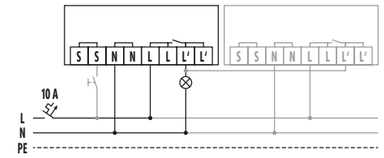
- Movement and daylight-dependent switching of outdoor lighting
- Time-dependent operating modes (230° and 280°)
- Intelligent vandalism and sabotage protection (230° and 280°; light switches on in the event of a malfunction)
- 360° creep protection (230° and 280°; can be deactivated)
- Switch-off delay times based on motion direction detection (230° and 280°)
- Password protection against unauthorised parameterisation
- Factory settings ensure immediate operability
- Easy to configure using the ESY-Pen and ESY-App or with remote controls for installer and user
- Flexible sensor head for wall and ceiling mounting (230° and 280°)
- Quick installation using push terminals up to 2.5 mm²
- Through-wiring thanks to double diaphragm line entry, including for an earthing cable with a diameter of 15 mm
- Masking of fields of detection thanks to the lens mask that can be cut to size
- Customisable sensitivity of fields of detection (230° and 280°)
- Very high overvoltage protection (surge 2 kV, burst 4 kV)
- Zero-cross switching for LED switching that protects the relay
- Switch input
- Impulse feature
- Special bracket for mounting on inner and outer corners, available as accessory

| Product group/product name | Item no. | Detection angle | Detection range | Installation type | Number of light channels | Function | Constant lighting control | Push button input lighting | In-rush current | Adjustable switch-off delay time | Number of HVAC-channels | Push button input HVAC | Slave input | Protection type | Dimensions (mm) | Circuit diagram | Core portfolio | New product |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Motion detectors / Ceiling and wall mounting / ON/OFF** | | | | | | | | | | | | | | | | | | |
| **ON/OFF** | | | | | | | | | | | | | | | | | | |
| DEFENSOR MD 200° 24 IR 1C IP55 AN (graphite grey, similar to RAL 7024) | EM10025365 | 200° | Ø 24 m | SM | 1 | Switching | | 1 | 800 A / 200 µs | • | | | | IP55 | X 108, Y 92, Z 108 | AX | • | |
| DEFENSOR MD 200° 24 IR 1C IP55 WH (white, similar to RAL 9003) | EM10025358 | 200° | Ø 24 m | SM | 1 | Switching | | 1 | 800 A / 200 µs | • | | | | IP55 | X 108, Y 92, Z 108 | AX | • | |
| DEFENSOR MD 230° 40 IR 1C IP55 AN (graphite grey, similar to RAL 7024) | EM10025389 | 230° | Ø 40 m | SM | 1 | Switching | | 1 | 800 A / 200 µs | • | | | | IP55 | X 138, Y 92, Z 108 | AX | • | |
| DEFENSOR MD 230° 40 IR 1C IP55 WH (white, similar to RAL 9003) | EM10025372 | 230° | Ø 40 m | SM | 1 | Switching | | 1 | 800 A / 200 µs | • | | | | IP55 | X 138, Y 92, Z 108 | AX | • | |
| DEFENSOR MD 280° 40 IR 1C IP55 AN (graphite grey, similar to RAL 7024) | EM10025402 | 280° | Ø 40 m | SM | 1 | Switching | | 1 | 800 A / 200 µs | • | | | | IP55 | X 138, Y 92, Z 108 | AX | • | |
| DEFENSOR MD 280° 40 IR 1C IP55 WH (white, similar to RAL 9003) | EM10025396 | 280° | Ø 40 m | SM | 1 | Switching | | 1 | 800 A / 200 µs | • | | | | IP55 | X 138, Y 92, Z 108 | AX | • | |

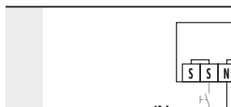
| Product group/product name | Item no. | Product description | Dimensions (mm) | Core portfolio | New product |
|---|---|---|---|---|---|
| **Accessories** | | | | | |
| **Adapter** | | | | | |
| DEFENSOR SPACER AN | EM10025433 | Spacer for DEFENSOR series, anthracite | X 86,5, Y 85, Z 28 | • | |
| DEFENSOR SPACER WH | EM10025426 | Spacer for DEFENSOR series, white | X 86,5, Y 85, Z 28 | • | |
| **Mounting** | | | | | |
| DEFENSOR EDGE MOUNTING AN | EM10025457 | Corner bracket for DEFENSOR series, anthracite | X 107,5, Y 92, Z 31,2 | • | |
| DEFENSOR EDGE MOUNTING WH | EM10025419 | Corner bracket for DEFENSOR series, white | X 107,5, Y 92, Z 31,2 | • | |
| **Remote control** | | | | | |
| DEFENSOR REMOTE CONTROL | EM10025501 | IR remote control for quickly and easily adjusting the level of brightness, switch-off delay time, detection sensitivity and other parameters. | X 100, Y 50, Z 9 | • | ★ |
| DEFENSOR REMOTE CONTROL USER | EM10025495 | IR remote control for end users of the DEFENSOR series: Setting the level of brightness, the switch-off delay time (5 or 15 minutes) and light ON/OFF for 12 hours | X 56, Y 29, Z 7 | • | |
| ESY-Pen | EP10425356 | ESY-Pen and ESY-App, two tools for every task: (1) Parameterisation, (2) remote control, (3) light measurement, (4) project management | X 166, Y 24, Z 21,5 | • | |

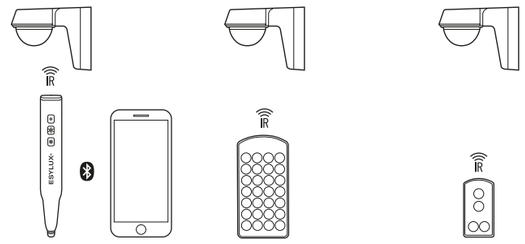


AX




Standard with optional control via a closing button and parallel wiring of max. ten devices.






| | ESY-Pen and ESY-App EP10425356 | DEFENSOR REMOTE CONTROL EM10025501 | DEFENSOR REMOTE CONTROL USER EM10025495 |
|---|---|---|---|
| Lighting on / off | • | • | |
| Lighting on / off for four hours | • | • | |
| Lighting on / off for 12 hours | • | • | • |
| Reset to automatic mode | • | • | • |
| Set time and date | • | | |
| 360° creep protection on / off | • | • | |
| Fully automatic operating mode | • | • | |
| Semi-automatic operating mode | • | • | |
| Twilight switch operating mode | • | • | |
| Time-dependent operating modes | • | | |
| Brightness level of 2 – 2000 lx (TS: 500 lx) | • | 2 lx, 5 lx, 20 lx, 100 lx | |
| Automatically read in brightness level | • | • | • |
| Switch-off delay time | • | 1 min, 2 min, 5 min, 8 min, 16 min, 30 min, 1 h | 5 min, 15 min |
| Switch-off delay times based on motion direction detection | • | | |
| Impulse feature | • | • | |
| Overall motion detector sensitivity | • | 100 %, 75 %, 50 % | |
| Motion detector sensitivity for individual detection zones | • | | |
| Sensor LED on / off | • | • | |
| Reset to default settings | • | • | |
| Test mode | • | • | |
| Password protection* | • | | |
| Clone parameters | • | | |
| PDF documentation | • | | |
| Batch processing of parameters | • | | |

* Password protection that is activated using the ESY-App and ESY-Pen cannot be overridden by the remote controls.

- Harmonious design
- Optimised for controlling LED lights in outdoor areas
- Individual fields of detection for two zones

5 YEARS MANUFACTURER WARRANTY




The design of the MD-W series blends in harmoniously with the design of outer façades — entirely in keeping with common stair or wall lights. Different coloured covering caps available as accessories enable the housing to be tailored to the respective building.

Parameterisable with ESY-Pen and ESY-App. More on pages 220 – 221 and at: esylux.com/esy-pen.





# MD-W
# FUNCTIONALITY MEETS DESIGN

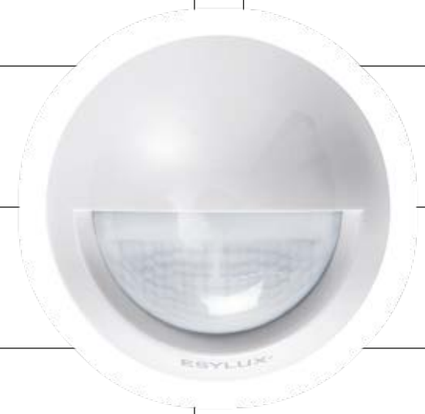
Motion and daylight dependent switching of outdoor lighting

Simple wall mounting thanks to universal one-handed plug-in base with large wiring area

Convenient modification of settings and functions thanks to IR remote control (e.g. switch on/off of lighting or automatic input of the current light value)

Simple adjustment of the detection range thanks to lens covers that can be cut to size and mechanically adjustable covers

Optimised for the control of LED lights via high-performance relay with tungsten pre-contact



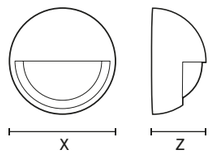
Harmonious design with various covering caps

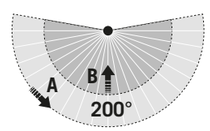
Instantly ready to use due to pre-installed factory settings

Simple through-wiring due to double line entrance with elastic sealing membrane

Concealed setting elements prevent unintentional parameter adjustment

## PRODUCT TYPES




| FIELD OF DETECTION | DETECTION RANGE | |
|---|---|---|
|   | | Wall 200° |
| | Diagonally (A) | Ø 20 m |
| | Frontal (B) | Ø 10 m |
| | - | - |

Note: Technical data for specific products can be found at www.esylux.com.

# MD-W

## OUTDOOR AUTOMATION / MOTION DETECTORS

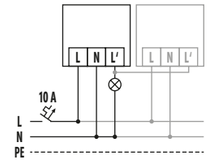


- Motion and daylight dependent switching of outdoor lighting
- Harmonious design with various covering caps
- Simple wall mounting thanks to universal one-handed plug-in base with large wiring area
- Instantly ready to use due to pre-installed factory settings
- Convenient modification of settings and functions thanks to IR remote control (e.g. switch on/off of lighting or automatic input of the current light value)
- Simple through-wiring due to double line entrance with elastic sealing membrane
- Simple adjustment of the detection range thanks to lens covers that can be cut to size and mechanically adjustable covers
- Concealed setting elements prevent unintentional parameter adjustment
- Optimised for the control of LED lights via high-performance relay with tungsten pre-contact

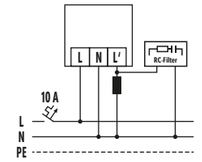
| Product group/product name | Item no. | Detection angle | Detection range | Installation type | Number of light channels | Function | Constant lighting control | Push button input lighting | In-rush current | Adjustable switch-off delay time | Number of HVAC-channels | Push button input HVAC | Slave input | Protection type | Dimensions (mm) | Circuit diagram | Core portfolio | New product |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Motion detectors / Wall mounting / ON/OFF** | | | | | | | | | | | | | | | | | | |
| **ON/OFF** | | | | | | | | | | | | | | | | | | |
| MD-W 200i black (black, similar to RAL 9005) | EM10041020 | 200° | Ø 20 m | SM | 1 | Switching | | | 800 A / 200 µs | • | | | | IP55 | X 110, Z 55 | AW | • | |
| MD-W 200i white (white, similar to RAL 9010) | EM10041006 | 200° | Ø 20 m | SM | 1 | Switching | | | 800 A / 200 µs | • | | | | IP55 | X 110, Z 55 | AW | • | |

| Product group/product name | Item no. | Product description | Dimensions (mm) | Core portfolio | New product |
|---|---|---|---|---|---|
| **Accessories** | | | | | |
| **Cover** | | | | | |
| MD-W COVER BK | EM10041112 | Cover cap for MD-W series, black | X 110, Z 55 | • | |
| MD-W COVER BN | EM10041105 | Cover cap for MD-W series, brown | X 110, Z 55 | • | |
| MD-W COVER SR | EM10041129 | Cover cap for MD-W series, silver | X 110, Z 55 | • | |
| MD-W COVER WH | EM10041099 | Cover cap for MD-W series, white | X 110, Z 55 | • | |
| **Remote control** | | | | | |
| ESY-Pen | EP10425356 | ESY-Pen and ESY-App, two tools for every task: (1) Parameterisation, (2) remote control, (3) light measurement, (4) project management | X 166, Y 24, Z 21,5 | • | |
| REMOTE CONTROL USER | EM10016011 | IR remote control for end users | X 56, Y 29, Z 7 | • | |

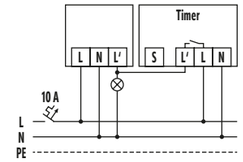
AW



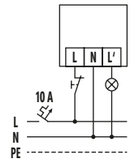

Standard operation with optional parallel wiring of max. eight motion detectors.




An RC filter (A) may be required when connecting inductors (e.g. relays, contactors, ballasts).




Standard operation with automatic stairwell light.




Standard operation with the additional possibility of switching on by hand.





OUTDOOR AUTOMATION

- **Optimised for the unobtrusive control of LED lights in outdoor areas**
- **One-handed plug-in base for easy installation**

**5 YEARS MANUFACTURER WARRANTY**




Mounted on house walls, garages or other façades, the MD outdoor motion detectors enable discreet, needs-based control of outdoor lighting. Different housing colours enable a perfect visual match with the respective building.





# MD
# MODERN SENSORS EASILY INSTALLED

Motion and daylight dependent switching of outdoor lighting

Special bracket for mounting on inner and outer corners available as an accessory

Instantly ready to use due to pre-installed factory settings

Change the level of brightness and switch-off delay time easily using the operating elements on the detector



Simple wall mounting thanks to universal one-handed plug-in base with large wiring area

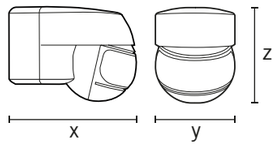
Simple through-wiring due to double line entrance with elastic sealing membrane

Simple adjustment of the range and field of detection thanks to the revolving and tilting ball head technology and the lens cover, which can be cut to size

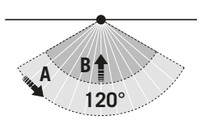
Optimised to control LED lights while protecting the relay through zero-cross switching

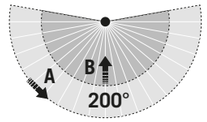


## PRODUCT TYPES




## FIELD OF DETECTION




## DETECTION RANGE

| | Wall 120° | Wall 200° |
|---|---|---|
| Diagonally (A) | 12 m | Ø 20 m |
| Frontal (B) | 5 m | Ø 10 m |
| - | - | - |

Note: Technical data for specific products can be found at www.esylux.com.

# MD

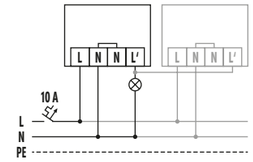
## OUTDOOR AUTOMATION / MOTION DETECTORS



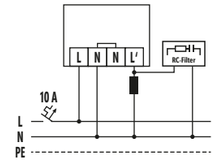
- Motion and daylight dependent switching of outdoor lighting
- Simple wall mounting thanks to universal one-handed plug-in base with large wiring area
- Special bracket for mounting on inner and outer corners available as an accessory
- Simple through-wiring due to double line entrance with elastic sealing membrane
- Instantly ready to use due to pre-installed factory settings
- Simple adjustment of the range and field of detection thanks to the revolving and tilting ball head technology and the lens cover, which can be cut to size
- Change the level of brightness and switch-off delay time easily using the operating elements on the detector
- Optimised to control LED lights while protecting the relay through zero-cross switching

| Product group/product name | Item no. | Detection angle | Detection range | Installation type | Number of light channels | Function | Constant lighting control | Push button input lighting | In-rush current | Adjustable switch-off delay time | Number of HVAC-channels | Push button input HVAC | Slave input | Protection type | Dimensions (mm) | Circuit diagram | Core portfolio | New product |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Motion detectors / Wall mounting / ON/OFF** | | | | | | | | | | | | | | | | | | |
| **ON/OFF** | | | | | | | | | | | | | | | | | | |
| MD 120 black (black, similar to RAL 9005) | EM10025235 | 120° | r 12 m | SM | 1 | Switching | | | 30 A / 20 ms | • | | | | IP44 | X 102, Y 74, Z 81 | AY | • | |
| MD 120 brown (brown, similar to RAL 8017) | EM10025228 | 120° | r 12 m | SM | 1 | Switching | | | 30 A / 20 ms | • | | | | IP44 | X 102, Y 74, Z 81 | AY | • | |
| MD 120 white (white, similar to RAL 9010) | EM10025211 | 120° | r 12 m | SM | 1 | Switching | | | 30 A / 20 ms | • | | | | IP44 | X 102, Y 74, Z 81 | AY | • | |
| MD 200 black (black, similar to RAL 9005) | EM10025334 | 200° | Ø 20 m | SM | 1 | Switching | | | 30 A / 20 ms | • | | | | IP44 | X 102, Y 74, Z 81 | AY | • | |
| MD 200 brown (brown, similar to RAL 8017) | EM10025327 | 200° | Ø 20 m | SM | 1 | Switching | | | 30 A / 20 ms | • | | | | IP44 | X 102, Y 74, Z 81 | AY | • | |
| MD 200 white (white, similar to RAL 9010) | EM10025310 | 200° | Ø 20 m | SM | 1 | Switching | | | 30 A / 20 ms | • | | | | IP44 | X 102, Y 74, Z 81 | AY | • | |

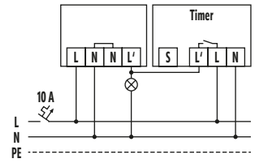
AY




Standard operation with optional parallel wiring of max. eight motion detectors.




When connecting inductors (e.g. relays, contactors, ballasts) the use of a filter (A) may be necessary.




Standard operation with automatic stairwell light.

| Product group/product name | Item no. | Product description | Dimensions (mm) | Core portfolio | New product |
|---|---|---|---|---|---|
| **Accessories** | | | | | |
| **Electrical accessories** | | | | | |
| FILTER 230 V | EP10426988 | Filter for suppression of inductive loads, such as relays, contactors, fluorescent lamps and transformers | X 62, Y 26, Z 10 | • | |
| **Mounting** | | | | | |
| MD EDGE MOUNTING BK | EM10025532 | Corner bracket for MD series, black | X 65, Y 72, Z 25 | • | |
| MD EDGE MOUNTING BN | EM10025525 | Corner bracket for MD series, brown | X 65, Y 72, Z 25 | • | |
| MD EDGE MOUNTING WH | EM10025518 | Corner bracket for MD series, white | X 65, Y 72, Z 25 | • | |

- **High-quality technology at an entry-level price**

**5 YEARS MANUFACTURER WARRANTY**




The sensors from the BASIC series offer a simple entry route into demand-driven building automation. Mounted on house walls, garages or other façades, the wall-mounted motion detectors from this series enable convenient, energy-efficient control of outdoor lighting.





# BASIC
# FULL ENERGY EFFICIENCY AT A LOW PRICE

Movement and daylight dependent switching of outdoor lighting

Bracket for easy wall mounting

Double line entrance with elastic sealing membrane

Instantly ready to use due to pre-installed factory settings

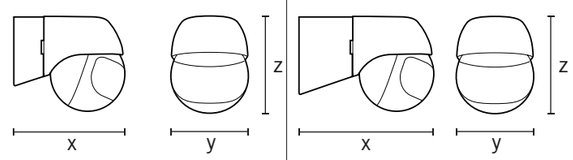
Easy adjustment of range and field of detection with revolving and tilting ball-head technology

Change the level of brightness and switch-off delay time easily using controls in the detector

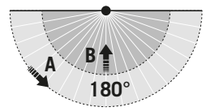
Large variant with more wiring area for cables up to 2.5 mm²




## PRODUCT TYPES




## FIELD OF DETECTION




## DETECTION RANGE

| | Wall 180° |
|---|---|
| Diagonally (A) | Ø 20 m |
| Frontal (B) | Ø 10 m |
| - | - |

Note: Technical data for specific products can be found at www.esylux.com.

# BASIC

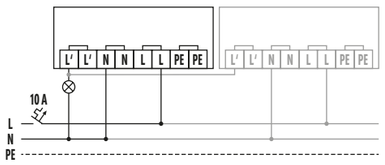
## OUTDOOR AUTOMATION / MOTION DETECTORS



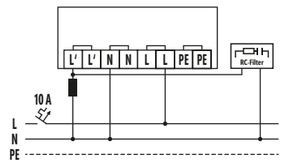
- Movement and daylight dependent switching of outdoor lighting
- Bracket for easy wall mounting
- Double line entrance with elastic sealing membrane
- Instantly ready to use due to pre-installed factory settings
- Easy adjustment of range and field of detection with revolving and tilting ball-head technology
- Change the level of brightness and switch-off delay time easily using controls in the detector
- Large variant with more wiring area for cables up to 2.5 mm²

| Product group/product name | Item no. | Detection angle | Detection range | Installation type | Number of light channels | Function | Constant lighting control | Push button input lighting | In-rush current | Adjustable switch-off delay time | Number of HVAC-channels | Push button input HVAC | Slave input | Protection type | Dimensions (mm) | Circuit diagram | Core portfolio | New product |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Motion detectors / Wall mounting / ON/OFF** | | | | | | | | | | | | | | | | | | |
| **ON/OFF** | | | | | | | | | | | | | | | | | | |
| MD 180 BASIC black (black, similar to RAL 9005) | EM10055096 | 180° | Ø 20 m | SM | 1 | Switching | | | 40 A / 20 ms | • | | | | IP44 | X 80, Y 55, Z 66 | AZ | • | |
| MD 180 BASIC white (white, similar to RAL 9010) | EM10055089 | 180° | Ø 20 m | SM | 1 | Switching | | | 40 A / 20 ms | • | | | | IP44 | X 80, Y 55, Z 66 | AZ | • | |
| MD 180 BASIC L black (black, similar to RAL 9005) | EM10055515 | 180° | Ø 20 m | SM | 1 | Switching | | | 40 A / 20 ms | • | | | | IP44 | X 102, Y 55, Z 66 | AZ | • | |
| MD 180 BASIC L white (white, similar to RAL 9010) | EM10055508 | 180° | Ø 20 m | SM | 1 | Switching | | | 40 A / 20 ms | • | | | | IP44 | X 102, Y 55, Z 66 | AZ | • | |

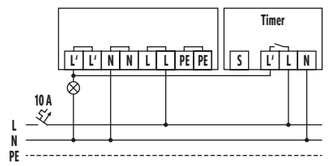
AZ



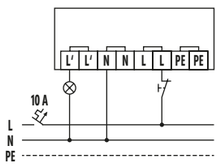

Standard operation with optional parallel wiring of max. six motion detectors.




When connecting inductors (e.g. relays, contactors, ballasts) the use of a filter (A) may be necessary.




Standard operation with automatic stairwell light.




Standard operation with the additional possibility of switching on by hand.







OUTDOOR AUTOMATION

- **Time-dependent operating modes (TS T)**
- **Password protection against unauthorised parameterisation**
- **High overvoltage protection (surge 2 kV, burst 4 kV)**

**5 YEARS MANUFACTURER WARRANTY**







Parameterisable with ESY-Pen and ESY-App. More on pages 220 – 221 and at: esylux.com/esy-pen.

The DEFENSOR twilight switches reliably and discreetly increase safety around the building. Once darkness falls, they automatically or semi-automatically switch on the lights in the event of insufficient ambient lighting or can also be controlled via time-dependent operating modes. They therefore guarantee flexibility and energy efficiency, as well as protecting the relay during the operation of LED lights thanks to zero-cross switching. With the factory settings, the device can be commissioned immediately and the settings can be conveniently adjusted at a later date using the ESY-Pen and ESY-App or remote controls for installer and user.





# DEFENSOR
# EASILY OFFERS MORE PROTECTION

Daylight-dependent switching of outdoor lighting

Password protection against unauthorised parameterisation

High overvoltage protection
(surge voltage 2 kV, repeating fast transients 4 kV)

Through-wiring thanks to double diaphragm line entry, including for earthing cable with a diameter of 15 mm

Switching delay prevents switching errors




Time-dependent operating modes (TS T)

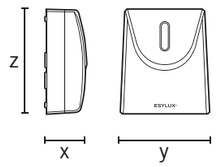
Factory settings ensure immediate operability

Simple installation thanks to the large wiring space and push terminals up to 2.5 mm²

Easy to configure using the ESY-Pen and ESY-App or with remote controls for installer and user

Zero-cross switching for LED switching that protects the relay

## PRODUCT TYPES




Note: Technical data for specific products can be found at www.esylux.com.

# DEFENSOR

## OUTDOOR AUTOMATION / TWILIGHT SWITCH

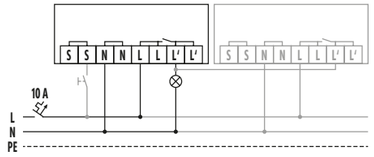



- Daylight-dependent switching of outdoor lighting
- Time-dependent operating modes (TS T)
- Password protection against unauthorised parameterisation
- Factory settings ensure immediate operability
- High overvoltage protection (surge voltage 2 kV, repeating fast transients 4 kV)
- Simple installation thanks to the large wiring space and push terminals up to 2.5 $mm^2$[2]
- Through-wiring thanks to double diaphragm line entry, including for earthing cable with a diameter of 15 mm
- Easy to configure using the ESY-Pen and ESY-App or with remote controls for installer and user
- Switching delay prevents switching errors
- Zero-cross switching for LED switching that protects the relay
- Switch input

| Product group/product name | Item no. | Installation type | Number of light channels | Push button input lighting | In-rush current | Level of brightness | Integrated timer | Protection type | Dimensions (mm) | Circuit diagram | Core portfolio | New product |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Twilight switch / Wall mounting / ON/OFF** | | | | | | | | | | | | |
| **ON/OFF** | | | | | | | | | | | | |
| DEFENSOR TS IR 1C IP55 WH (white, similar to RAL 9003) | ED10025471 | SM | 1 | 1 | 800 A / 200 µs | 2 - 500 lx | | IP55 | X 46, Y 92, Z 108 | AX | • | |
| DEFENSOR TS T IR 1C IP55 WH (white, similar to RAL 9003) | ED10025464 | SM | 1 | 1 | 800 A / 200 µs | 2 - 500 lx | • | IP55 | X 46, Y 92, Z 108 | AX | • | |

| Product group/product name | Item no. | Product description | Dimensions (mm) | Core portfolio | New product |
|---|---|---|---|---|---|
| **Accessories** | | | | | |
| **Adapter** | | | | | |
| DEFENSOR SPACER WH | EM10025426 | Spacer for DEFENSOR series, white | X 86,5, Y 85, Z 28 | • | |
| **Mounting** | | | | | |
| DEFENSOR EDGE MOUNTING WH | EM10025419 | Corner bracket for DEFENSOR series, white | X 107,5, Y 92, Z 31,2 | • | |
| **Remote control** | | | | | |
| DEFENSOR REMOTE CONTROL | EM10025501 | IR remote control for quickly and easily adjusting the level of brightness, switch-off delay time, detection sensitivity and other parameters. | X 100, Y 50, Z 9 | • | ★ |
| DEFENSOR REMOTE CONTROL USER | EM10025495 | IR remote control for end users of the DEFENSOR series: Setting the level of brightness, the switch-off delay time (5 or 15 minutes) and light ON/OFF for 12 hours | X 56, Y 29, Z 7 | • | |
| ESY-Pen | EP10425356 | ESY-Pen and ESY-App, two tools for every task: (1) Parameterisation, (2) remote control, (3) light measurement, (4) project management | X 166, Y 24, Z 21,5 | • | |

AX




Standard with optional control via a closing button and parallel wiring of max. ten devices.

- **Large wiring space for easy installation**

**3 YEARS MANUFACTURER WARRANTY**



The CDS series twilight switches control the outdoor lighting automatically and reliably based on the current ambient light. This provides safety, enhances comfort — and reduces energy consumption.





# CDS
# UNOBTRUSIVE, RELIABLE, EASILY INSTALLED

Daylight dependent switching of outdoor lighting

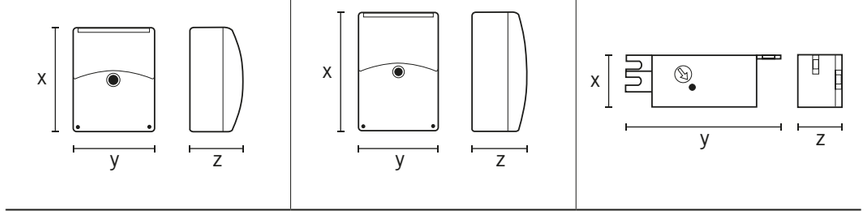
Light value can be adjusted using the control element on the outside of the housing (switching point)

Simple installation due to the large connection space and push terminals up to 2.5 mm²

Switching delay to avoid incorrect switching due to temporary, e.g. weather-related brightness variations



## PRODUCT TYPES




Note: Technical data for specific products can be found at www.esylux.com.

# CDS

## OUTDOOR AUTOMATION / TWILIGHT SWITCH



- Daylight dependent switching of outdoor lighting
- Simple installation due to the large connection space and push terminals up to 2.5 mm²
- Light value can be adjusted using the control element on the outside of the housing (switching point)
- Switching delay to avoid incorrect switching due to temporary, e.g. weather-related brightness variations

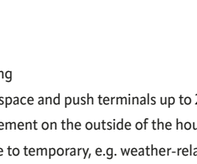
| Product group/product name | Item no. | Installation type | Number of light channels | Push button input lighting | In-rush current | Level of brightness | Integrated timer | Protection type | Dimensions (mm) | Circuit diagram | Core portfolio | New product |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Twilight switch / Wall mounting / ON/OFF** | | | | | | | | | | | | |
| **ON/OFF** | | | | | | | | | | | | |
| CDS-A/N (white, similar to RAL 9010) | ED10016530 | SM | 1 | | | 5 - 300 lx | | IP54 | X 96, Y 76, Z 52 | BA | • | |
| CDS-A/T (white, similar to RAL 9010) | RK39500010040 | SM | 1 | | | 5 - 300 lx | • | IP54 | X 114, Y 80, Z 51 | BB | • | |
| CDS-E (white, similar to RAL 9010) | ED10016509 | RM | 1 | | | 5 - 300 lx | | IP20 | X 60, Y 70, Z 26 | BC | • | |

BA



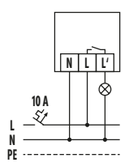

Standard operation.

BB




Standard operation.

BC




Standard operation.







OUTDOOR AUTOMATION

- **Classic design with integrated motion detector**
- **Control of further luminaires possible**

**3 YEARS MANUFACTURER WARRANTY**



With the AL series, the light in entrance areas, passageways or terraces can be controlled as required.





# AL
# ROUND, CLASSIC, INTELLIGENT

Light holder with integrated motion detector and 130° angle of detection (two sensors) and 360° creep protection (one sensor) for unbroken coverage

Simple adjustment of the range and field of detection thanks to the lens cover, which can be cut to size

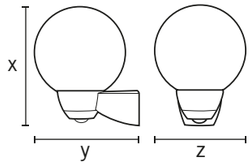
Simple wall mounting due to universal one-handed plug-in base and large wiring area

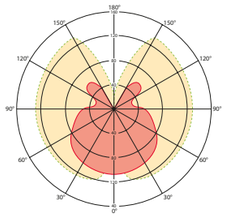
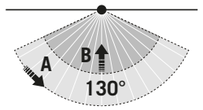
For combination with various system glass designs

Switching output for connecting additional lights



## PRODUCT TYPES




| LIGHT DISTRIBUTION | FIELD OF DETECTION | DETECTION RANGE | |
|---|---|---|---|
|  |  | | Wall 12 m |
| | | Diagonally (A) | 12 m |
| | | Frontal (B) | 4 |
| | | - | - |



C0, C90, C0 / C90

Note: Technical data for specific products can be found at www.esylux.com.

# AL

## OUTDOOR LIGHTING / WALL LIGHTS

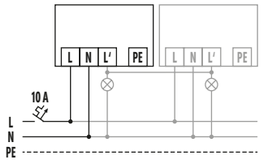


- Light holder with integrated motion detector and 130° angle of detection (two sensors) and 360° creep protection (one sensor) for unbroken coverage
- For combination with various system glass designs
- Simple adjustment of the range and field of detection thanks to the lens cover, which can be cut to size
- Switching output for connecting additional lights
- Simple wall mounting due to universal one-handed plug-in base and large wiring area

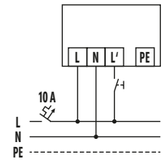
| Product group/product name | Item no. | Light colour (IEC 1231) | Luminous flux | Rated output P | Luminous efficacy | Unified Glare Rating | Glare suppression | Diffuser | Protection type | Control system | BT (Bluetooth) | Sensor | Energy efficiency class | Dimensions (mm) | Circuit diagram | Core portfolio | New product |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **GARDA / opal** | | | | | | | | | | | | | | | | | |
| AL GARDA WL OP MD BK (black, similar to RAL 9005) | EL10026126 | | | | | | | OP | IP44 | ON/OFF | | • | | X 275, Y 185, Z 250 | BG | • | |
| AL GARDA WL OP MD WH (white, similar to RAL 9010) | EL10026133 | | | | | | | OP | IP44 | ON/OFF | | • | | X 275, Y 185, Z 250 | BG | • | |
| **MONZA / transparent** | | | | | | | | | | | | | | | | | |
| AL MONZA WL TR MD BK (black, similar to RAL 9005) | EL10026119 | | | | | | | TR | IP44 | ON/OFF | | • | | X 275, Y 185, Z 250 | BG | • | |
| AL MONZA WL TR MD WH (white, similar to RAL 9010) | EL10026102 | | | | | | | TR | IP44 | ON/OFF | | • | | X 275, Y 185, Z 250 | BG | • | |

| Product group/product name | Item no. | Product description | Dimensions (mm) | Core portfolio | New product |
|---|---|---|---|---|---|
| **Spare parts** | | | | | |
| **Cover** | | | | | |
| System glass AL P GARDA | EL10026157 | System glass for lights: AL GARDA | X 215, Z 210 | • | |
| System glass AL P MONZA | EL10026164 | System glass for lights: AL MONZA | X 215, Z 210 | • | |

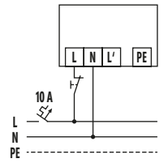
BG




Standard operation with optional parallel connection of automatic luminaires.




Standard operation with additional continuous lighting function through external switch.




Standard operation with the additional possibility of switching on by hand.

- **Easy wall mounting due to universal one-handed plug-in base and large wiring area**
- **Variants with integrated motion detectors, optimised for controlling additional LED lights**

**3 YEARS MANUFACTURER WARRANTY**



The LED wall lights in the OL/AOL series are a timeless classic due to their elegant appearance and can be stylishly placed in any environment and improve the look of façades or entrance areas. The durable, die-cast aluminium housing makes them highly reliable and the optionally integrated motion detector ensures convenient, energy-efficient operation. Clever details simplify installation.





# OL/AOL
# TIMELESS DESIGN FOR ALL FAÇADES

Elegant design with high-quality aluminium housing

Simple wall mounting due to universal one-hand plug-in base with large wiring space

Simple through-wiring due to the double cable entry with elastic sealing membrane

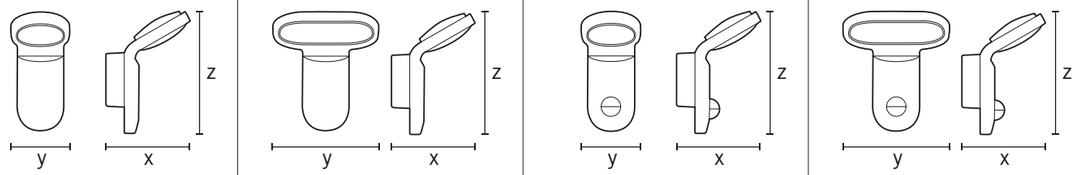
Plug-in terminal for through-wiring of the protective conductor included

Variants with integrated motion detector for demand-controlled switching of lighting

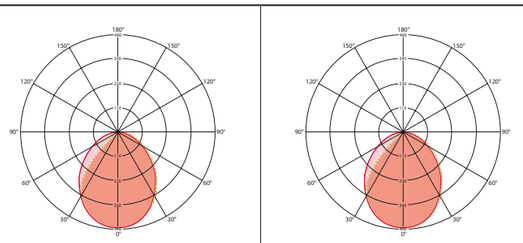
Simple adjustment of the range and field of detection thanks to the lens cover, which can be cut to size



## PRODUCT TYPES

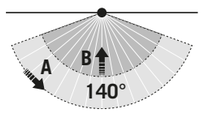



## LIGHT DISTRIBUTION




C0, C90, C0 / C90

## FIELD OF DETECTION




## DETECTION RANGE

| | Wall 10 m |
|---|---|
| Diagonally (A) | 10 m |
| Frontal (B) | 2 m |
| - | - |

Note: Technical data for specific products can be found at www.esylux.com.

# OL/AOL

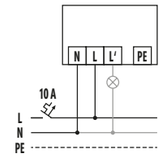
## OUTDOOR LIGHTING / WALL LIGHTS



- Elegant design with high-quality aluminium housing
- Simple wall mounting due to universal one-hand plug-in base with large wiring space
- Simple through-wiring due to the double cable entry with elastic sealing membrane
- Plug-in terminal for through-wiring of the protective conductor included
- Variants with integrated motion detector for demand-controlled switching of lighting
- Simple adjustment of the range and field of detection thanks to the lens cover, which can be cut to size

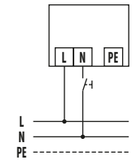
| Product group/product name | Item no. | Light colour (IEC 1231) | Luminous flux | Rated output P | Luminous efficacy | Unified Glare Rating | Glare suppression | Diffuser | Protection type | Control system | BT (Bluetooth) | Sensor | Energy efficiency class | Dimensions (mm) | Circuit diagram | Core portfolio | New product |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **3000 K / 10 W** | | | | | | | | | | | | | | | | | |
| AOL WL 100 OP 900 830 MD BK (black, similar to RAL 9005) | EL10750717 | 830 | 850 lm | 10 W | 85 lm/W | | | OP | IP55 | ON/OFF | | • | LED EEI E | X 205, Y 104, Z 143 | BH | • | |
| AOL WL 100 OP 900 830 MD WH (white, similar to RAL 9016) | EL10750700 | 830 | 850 lm | 10 W | 85 lm/W | | | OP | IP55 | ON/OFF | | • | LED EEI E | X 205, Y 104, Z 143 | BH | • | |
| OL WL 100 OP 900 830 BK (black, similar to RAL 9005) | EL10710711 | 830 | 850 lm | 9,5 W | 89 lm/W | | | OP | IP55 | ON/OFF | | | LED EEI E | X 205, Y 104, Z 143 | BI | • | |
| OL WL 100 OP 900 830 WH (white, similar to RAL 9016) | EL10710704 | 830 | 850 lm | 9,5 W | 89 lm/W | | | OP | IP55 | ON/OFF | | | LED EEI E | X 205, Y 104, Z 143 | BI | • | |
| **3000 K / 17 W** | | | | | | | | | | | | | | | | | |
| AOL WL 200 OP 1600 830 MD BK (black, similar to RAL 9005) | EL10750816 | 830 | 1600 lm | 17 W | 94 lm/W | | | OP | IP55 | ON/OFF | | • | LED EEI E | X 205, Y 184, Z 143 | BH | • | |
| AOL WL 200 OP 1600 830 MD WH (white, similar to RAL 9016) | EL10750809 | 830 | 1600 lm | 17 W | 94 lm/W | | | OP | IP55 | ON/OFF | | • | LED EEI E | X 205, Y 184, Z 143 | BH | • | |
| OL WL 200 OP 1600 830 BK (black, similar to RAL 9005) | EL10710810 | 830 | 1600 lm | 16,5 W | 96 lm/W | | | OP | IP55 | ON/OFF | | | LED EEI E | X 205, Y 184, Z 143 | BI | • | |
| OL WL 200 OP 1600 830 WH (white, similar to RAL 9016) | EL10710803 | 830 | 1600 lm | 16,5 W | 96 lm/W | | | OP | IP55 | ON/OFF | | | LED EEI E | X 205, Y 184, Z 143 | BI | • | |
| **5000 K / 10 W** | | | | | | | | | | | | | | | | | |
| AOL WL 100 OP 900 850 MD BK (black, similar to RAL 9005) | EL10750014 | 850 | 900 lm | 10 W | 90 lm/W | | | OP | IP55 | ON/OFF | | • | LED EEI E | X 205, Y 104, Z 143 | BH | • | |
| AOL WL 100 OP 900 850 MD WH (white, similar to RAL 9016) | EL10750007 | 850 | 900 lm | 10 W | 90 lm/W | | | OP | IP55 | ON/OFF | | • | LED EEI E | X 205, Y 104, Z 143 | BH | • | |
| OL WL 100 OP 900 850 BK (black, similar to RAL 9005) | EL10710018 | 850 | 900 lm | 9,5 W | 94 lm/W | | | OP | IP55 | ON/OFF | | | LED EEI E | X 205, Y 104, Z 143 | BI | • | |
| OL WL 100 OP 900 850 WH (white, similar to RAL 9016) | EL10710001 | 850 | 900 lm | 9,5 W | 94 lm/W | | | OP | IP55 | ON/OFF | | | LED EEI E | X 205, Y 104, Z 143 | BI | • | |
| **5000 K / 17 W** | | | | | | | | | | | | | | | | | |
| AOL WL 200 OP 1700 850 MD BK (black, similar to RAL 9005) | EL10750113 | 850 | 1650 lm | 17 W | 97 lm/W | | | OP | IP55 | ON/OFF | | • | LED EEI E | X 205, Y 184, Z 143 | BH | • | |
| AOL WL 200 OP 1700 850 MD WH (white, similar to RAL 9016) | EL10750106 | 850 | 1650 lm | 17 W | 97 lm/W | | | OP | IP55 | ON/OFF | | • | LED EEI E | X 205, Y 184, Z 143 | BH | • | |
| OL WL 200 OP 1700 850 BK (black, similar to RAL 9005) | EL10710117 | 850 | 1650 lm | 16,5 W | 100 lm/W | | | OP | IP55 | ON/OFF | | | LED EEI E | X 205, Y 184, Z 143 | BI | • | |
| OL WL 200 OP 1700 850 WH (white, similar to RAL 9016) | EL10710100 | 850 | 1650 lm | 16,5 W | 100 lm/W | | | OP | IP55 | ON/OFF | | | LED EEI E | X 205, Y 184, Z 143 | BI | • | |

BH

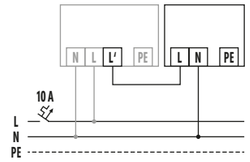



Standard operation with optional connection of external loads.

BI



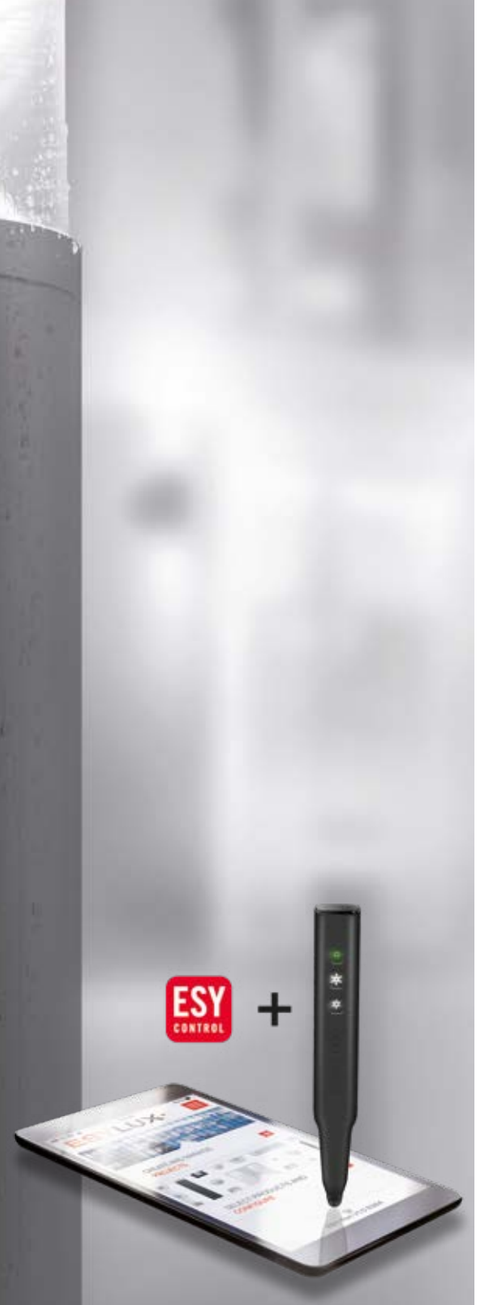

Standard operation with on/off switch.




Controlled by an automatic light, e.g. the AOL 100 or AOL 200.

- **Protected against sea air and dirt-resistant**
- **Variants with integrated motion detectors feature orientation light and twilight switch function**
- **Motion detector enables the energy-efficient control of further lights and switch actuators**

**5 YEARS MANUFACTURER WARRANTY**




The bollard lights in the ALVA series feature a high-quality design and are ideal for the intelligent lighting of paths, forecourts and driveways or green spaces. Their durability and die-cast aluminium housing ensure they meet all requirements for installation in public areas. The optional integrated motion detector provides energy-efficient, convenient operation.

Parameterisable with ESY-Pen and ESY-App. More on pages 220 – 221 and at: esylux.com/esy-pen.





# ALVA
# ROBUST PATH LIGHTING CAN BE NETWORKED INTELLIGENTLY

High-quality aluminium housing, protected against sea air and stain-resistant

Resistant to corrosion in accordance with EN ISO 9227 salt spray test (96 hr)

High level of resistance to cleaning agents (anti graffiti effect)

Variants with motion detectors for motion-dependent and daylight-dependent lighting switching and a DALI networking option; integration of 230-V end devices using DALI switch

DALI bus voltage supply integrated in lights with motion detectors

Variants with different light emissions (180° or 360°), different lamp heights and different diameters

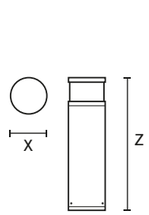
Meets requirements for installation in public areas (IP65, IK09)

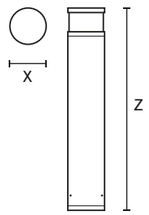
Basic lighting for increased safety in outdoor areas (orientation lighting)

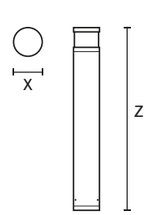


Concealed LED arrangement, no glare from direct light

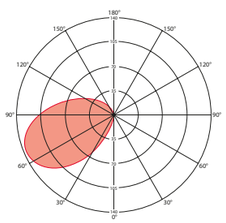
## PRODUCT TYPES

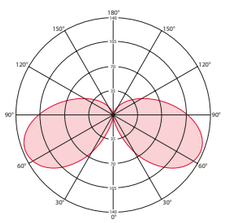


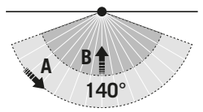




## LIGHT DISTRIBUTION




## FIELD OF DETECTION




## DETECTION RANGE

| | Wall 6 m |
|---|---|
| Diagonally (A) | 6 m |
| Frontal (B) | 2 m |
| - | - |

C0, C90, C0 / C90

Note: Technical data for specific products can be found at www.esylux.com.

# ALVA

## OUTDOOR LIGHTING / BOLLARD LIGHTS



- High-quality aluminium housing, protected against sea air and stain-resistant
- Resistant to corrosion in accordance with EN ISO 9227 salt spray test (96 hr)
- High level of resistance to cleaning agents (anti graffiti effect)
- High level of resistance to cleaning agents (anti graffiti effect)
- Variants with motion detectors for motion-dependent and daylight-dependent lighting switching and a DALI networking option; integration of 230-V end devices using DALI switch
- DALI bus voltage supply integrated in lights with motion detectors
- Variants with different light emissions (180° or 360°), different lamp heights and different diameters
- Meets requirements for installation in public areas (IP65, IK09)
- Basic lighting for increased safety in outdoor areas (orientation lighting)
- Concealed LED arrangement, no glare from direct light

| Product group/product name | Item no. | Light colour (IEC 1231) | Luminous flux | Rated output P | Luminous efficacy | Unified Glare Rating | Glare suppression | Diffuser | Protection type | Control system | BT (Bluetooth) | Sensor | Energy efficiency class | Dimensions (mm) | Circuit diagram | Core portfolio | New product |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **3000 K / 180° / 540 mm / Ø 170 mm** | | | | | | | | | | | | | | | | | |
| ALVA BL 540/170 OP 180° 500 830 AN (graphite grey, similar to RAL 7024) | EL10820700 | 830 | 620 lm | 16 W | 38 lm/W | | | OP | IP65 | ON/OFF | | | LED EEI E | X 170, Z 540 | BM | • | |
| ALVA BL 540/170 TR 180° 600 830 AN (graphite grey, similar to RAL 7024) | EL10820687 | 830 | 760 lm | 16 W | 47 lm/W | | | TR | IP65 | ON/OFF | | | LED EEI E | X 170, Z 540 | BM | • | |
| **3000 K / 180° / 940 mm / Ø 170 mm** | | | | | | | | | | | | | | | | | |
| ALVA BL 940/170 OP 180° 500 830 AN (graphite grey, similar to RAL 7024) | EL10820649 | 830 | 620 lm | 16 W | 38 lm/W | | | OP | IP65 | ON/OFF | | | LED EEI E | X 170, Z 940 | BM | • | |
| ALVA BL 940/170 OP 180° 500 830 DALI AN (graphite grey, similar to RAL 7024) | EL10820809 | 830 | 620 lm | 17 W | 36 lm/W | | | OP | IP65 | DALI | | | LED EEI E | X 170, Z 940 | BN | • | |
| ALVA BL 940/170 OP 180° 500 830 MD IR DALI AN (graphite grey, similar to RAL 7024) | EL10820960 | 830 | 620 lm | 17 W | 36 lm/W | | | OP | IP65 | DALI | • | | LED EEI E | X 170, Z 940 | BN | • | |
| ALVA BL 940/170 TR 180° 600 830 AN (graphite grey, similar to RAL 7024) | EL10820601 | 830 | 760 lm | 16 W | 47 lm/W | | | TR | IP65 | ON/OFF | | | LED EEI E | X 170, Z 940 | BM | • | |
| ALVA BL 940/170 TR 180° 600 830 DALI AN (graphite grey, similar to RAL 7024) | EL10820762 | 830 | 760 lm | 17 W | 44 lm/W | | | TR | IP65 | DALI | | | LED EEI E | X 170, Z 940 | BN | • | |
| ALVA BL 940/170 TR 180° 600 830 MD IR DALI AN (graphite grey, similar to RAL 7024) | EL10820922 | 830 | 760 lm | 17 W | 44 lm/W | | | TR | IP65 | DALI | • | | LED EEI E | X 170, Z 940 | BN | • | |
| **3000 K / 360° / 540 mm / Ø 170 mm** | | | | | | | | | | | | | | | | | |
| ALVA BL 540/170 TR 360° 1000 830 AN (graphite grey, similar to RAL 7024) | EL10820106 | 830 | 1270 lm | 16 W | 79 lm/W | | | TR | IP65 | ON/OFF | | | LED EEI E | X 170, Z 540 | BM | • | |
| **3000 K / 360° / 700 mm / Ø 100 mm** | | | | | | | | | | | | | | | | | |
| ALVA BL 700/100 OP 360° 400 830 AN (graphite grey, similar to RAL 7024) | EL10821059 | 830 | 400 lm | 7 W | 57 lm/W | | | OP | IP65 | ON/OFF | | | LED EEI F | X 100, Z 700 | BM | • | |
| ALVA BL 700/100 OP 360° 400 830 DALI AN (graphite grey, similar to RAL 7024) | EL10821271 | 830 | 420 lm | 7 W | 60 lm/W | | | OP | IP65 | DALI | | | LED EEI F | X 100, Z 700 | BN | • | ★ |
| ALVA BL 700/100 OP 360° 400 830 MD IR DALI AN (graphite grey, similar to RAL 7024) | EL10821189 | 830 | 420 lm | 7 W | 60 lm/W | | | OP | IP65 | DALI | • | | LED EEI F | X 100, Z 700 | BN | • | ★ |
| ALVA BL 700/100 TR 360° 500 830 AN (graphite grey, similar to RAL 7024) | EL10821134 | 830 | 530 lm | 7 W | 75 lm/W | | | TR | IP65 | ON/OFF | | | LED EEI F | X 100, Z 700 | BM | • | |
| ALVA BL 700/100 TR 360° 500 830 DALI AN (graphite grey, similar to RAL 7024) | EL10821257 | 830 | 500 lm | 7 W | 71 lm/W | | | TR | IP65 | DALI | | | LED EEI F | X 100, Z 700 | BN | • | ★ |
| ALVA BL 700/100 TR 360° 500 830 MD IR DALI AN (graphite grey, similar to RAL 7024) | EL10821172 | 830 | 500 lm | 7 W | 71 lm/W | | | TR | IP65 | DALI | • | | LED EEI F | X 100, Z 700 | BN | • | ★ |
| **3000 K / 360° / 940 mm / Ø 170 mm** | | | | | | | | | | | | | | | | | |
| ALVA BL 940/170 OP 360° 800 830 AN (graphite grey, similar to RAL 7024) | EL10820045 | 830 | 1030 lm | 16 W | 64 lm/W | | | OP | IP65 | ON/OFF | | | LED EEI E | X 170, Z 940 | BM | • | |
| ALVA BL 940/170 OP 360° 800 830 DALI AN (graphite grey, similar to RAL 7024) | EL10820243 | 830 | 1030 lm | 17 W | 60 lm/W | | | OP | IP65 | DALI | | | LED EEI E | X 170, Z 940 | BN | • | |
| ALVA BL 940/170 OP 360° 800 830 MD IR DALI AN (graphite grey, similar to RAL 7024) | EL10820441 | 830 | 1030 lm | 17 W | 60 lm/W | | | OP | IP65 | DALI | • | | LED EEI E | X 170, Z 940 | BN | • | |
| ALVA BL 940/170 TR 360° 1000 830 AN (graphite grey, similar to RAL 7024) | EL10820007 | 830 | 1270 lm | 16 W | 79 lm/W | | | TR | IP65 | ON/OFF | | | LED EEI E | X 170, Z 940 | BM | • | |
| ALVA BL 940/170 TR 360° 1000 830 DALI AN (graphite grey, similar to RAL 7024) | EL10820205 | 830 | 1270 lm | 17 W | 74 lm/W | | | TR | IP65 | DALI | | | LED EEI E | X 170, Z 940 | BN | • | |
| ALVA BL 940/170 TR 360° 1000 830 MD IR DALI AN (graphite grey, similar to RAL 7024) | EL10820403 | 830 | 1270 lm | 17 W | 74 lm/W | | | TR | IP65 | DALI | • | | LED EEI E | X 170, Z 940 | BN | • | |
| **4000 K / 180° / 940 mm / Ø 170 mm** | | | | | | | | | | | | | | | | | |
| ALVA BL 940/170 OP 180° 600 840 AN (graphite grey, similar to RAL 7024) | EL10820663 | 840 | 630 lm | 16 W | 39 lm/W | | | OP | IP65 | ON/OFF | | | LED EEI E | X 170, Z 940 | BM | • | |
| ALVA BL 940/170 OP 180° 600 840 DALI AN (graphite grey, similar to RAL 7024) | EL10820823 | 840 | 630 lm | 17 W | 37 lm/W | | | OP | IP65 | DALI | | | LED EEI E | X 170, Z 940 | BN | • | |
| ALVA BL 940/170 OP 180° 600 840 MD IR DALI AN (graphite grey, similar to RAL 7024) | EL10820984 | 840 | 630 lm | 17 W | 37 lm/W | | | OP | IP65 | DALI | • | | LED EEI E | X 170, Z 940 | BN | • | |
| ALVA BL 940/170 TR 180° 700 840 AN (graphite grey, similar to RAL 7024) | EL10820625 | 840 | 810 lm | 16 W | 50 lm/W | | | TR | IP65 | ON/OFF | | | LED EEI E | X 170, Z 940 | BM | • | |
| ALVA BL 940/170 TR 180° 700 840 DALI AN (graphite grey, similar to RAL 7024) | EL10820786 | 840 | 810 lm | 17 W | 47 lm/W | | | TR | IP65 | DALI | | | LED EEI E | X 170, Z 940 | BN | • | |
| ALVA BL 940/170 TR 180° 700 840 MD IR DALI AN (graphite grey, similar to RAL 7024) | EL10820946 | 840 | 810 lm | 17 W | 47 lm/W | | | TR | IP65 | DALI | • | | LED EEI E | X 170, Z 940 | BN | • | |
| **4000 K / 360° / 540 mm / Ø 170 mm** | | | | | | | | | | | | | | | | | |
| ALVA BL 540/170 TR 360° 1200 840 AN (graphite grey, similar to RAL 7024) | EL10820328 | 840 | 1350 lm | 16 W | 84 lm/W | | | TR | IP65 | ON/OFF | | | LED EEI E | X 170, Z 540 | BM | • | |
| **4000 K / 360° / 700 mm / Ø 100 mm** | | | | | | | | | | | | | | | | | |
| ALVA BL 700/100 OP 360° 500 840 AN (graphite grey, similar to RAL 7024) | EL10821073 | 840 | 460 lm | 7 W | 65 lm/W | | | OP | IP65 | ON/OFF | | | LED EEI F | X 100, Z 700 | BM | • | |
| ALVA BL 700/100 OP 360° 500 840 DALI AN (graphite grey, similar to RAL 7024) | EL10821288 | 840 | 460 lm | 7 W | 65 lm/W | | | OP | IP65 | DALI | | | LED EEI F | X 100, Z 700 | BN | • | ★ |
| ALVA BL 700/100 OP 360° 500 840 MD IR DALI AN (graphite grey, similar to RAL 7024) | EL10821240 | 840 | 460 lm | 7 W | 65 lm/W | | | OP | IP65 | DALI | • | | LED EEI F | X 100, Z 700 | BN | • | ★ |
| ALVA BL 700/100 TR 360° 600 840 AN (graphite grey, similar to RAL 7024) | EL10821158 | 840 | 560 lm | 7 W | 80 lm/W | | | TR | IP65 | ON/OFF | | | LED EEI F | X 100, Z 700 | BM | • | |
| ALVA BL 700/100 TR 360° 600 840 DALI AN (graphite grey, similar to RAL 7024) | EL10821264 | 840 | 600 lm | 7 W | 85 lm/W | | | TR | IP65 | DALI | | | LED EEI F | X 100, Z 700 | BN | • | ★ |
| ALVA BL 700/100 TR 360° 600 840 MD IR DALI AN (graphite grey, similar to RAL 7024) | EL10821196 | 840 | 600 lm | 7 W | 85 lm/W | | | TR | IP65 | DALI | • | | LED EEI F | X 100, Z 700 | BN | • | ★ |
| **4000 K / 360° / 940 mm / Ø 170 mm** | | | | | | | | | | | | | | | | | |
| ALVA BL 940/170 OP 360° 1000 840 AN (graphite grey, similar to RAL 7024) | EL10820069 | 840 | 1050 lm | 16 W | 65 lm/W | | | OP | IP65 | ON/OFF | | | LED EEI E | X 170, Z 940 | BM | • | |
| ALVA BL 940/170 OP 360° 1000 840 DALI AN (graphite grey, similar to RAL 7024) | EL10820267 | 840 | 1050 lm | 17 W | 61 lm/W | | | OP | IP65 | DALI | | | LED EEI E | X 170, Z 940 | BN | • | |

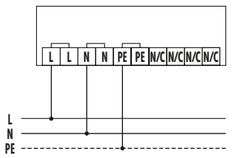
| Product group/product name | Item no. | Light colour (IEC 1231) | Luminous flux | Rated output P | Luminous efficacy | Unified Glare Rating | Glare suppression | Diffuser | Protection type | Control system | BT (Bluetooth) | Sensor | Energy efficiency class | Dimensions (mm) | Circuit diagram | Core portfolio | New product |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ALVA BL 940/170 OP 360° 1000 840 MD IR DALI AN (graphite grey, similar to RAL 7024) | EL10820465 | 840 | 1050 lm | 17 W | 61 lm/W | | | OP | IP65 | DALI | | • | LED EEI E | X 170, Z 940 | BN | • | |
| ALVA BL 940/170 TR 360° 1200 840 AN (graphite grey, similar to RAL 7024) | EL10820021 | 840 | 1350 lm | 16 W | 84 lm/W | | | TR | IP65 | ON/OFF | | | LED EEI E | X 170, Z 940 | BM | • | |
| ALVA BL 940/170 TR 360° 1200 840 DALI AN (graphite grey, similar to RAL 7024) | EL10820229 | 840 | 1350 lm | 17 W | 79 lm/W | | | TR | IP65 | DALI | | | LED EEI E | X 170, Z 940 | BN | • | |
| ALVA BL 940/170 TR 360° 1200 840 MD IR DALI AN (graphite grey, similar to RAL 7024) | EL10820427 | 840 | 1350 lm | 17 W | 79 lm/W | | | TR | IP65 | DALI | | • | LED EEI E | X 170, Z 940 | BN | • | |

| Product group/product name | Item no. | Product description | Dimensions (mm) | Core portfolio | New product |
|---|---|---|---|---|---|
| **Accessories** | | | | | |
| **Electrical accessories** | | | | | |
| ACTUATOR FULL AUTO C3 DALI | EP10427473 | Modul for the conversion of bus commands from the DALI presence detector and other light controls into switching signals (fully automatic) | X 45, Y 45, Z 24 | • | |
| ACTUATOR SEMI AUTO C4 DALI | EP10427480 | Modul for the conversion of bus commands from the DALI presence detector and other light controls into switching signals (semi-automatic) | X 45, Y 45, Z 24 | • | |
| **Mounting** | | | | | |
| ALVA GROUND SPIKE 100 | EL10820182 | Ground anchor galvanised for installation of bollard lights in concrete foundation or solid ground | X 90, Z 590 | • | ★ |
| ALVA GROUND SPIKE 170 | EL10820199 | Ground anchor galvanised for installation of bollard lights in concrete foundation or solid ground | X 145, Z 590 | • | ★ |
| **Remote control** | | | | | |
| ESY-Pen | EP10425356 | ESY-Pen and ESY-App, two tools for every task: (1) Parameterisation, (2) remote control, (3) light measurement, (4) project management | X 166, Y 24, Z 21,5 | • | |
| REMOTE CONTROL PDi DALI | EP10425899 | IR remote control for DALI presence detectors and motion detectors | X 100, Y 50, Z 9 | • | |

| Product group/product name | Item no. | Product description | Dimensions (mm) | Core portfolio | New product |
|---|---|---|---|---|---|
| **Spare parts** | | | | | |
| **Cover** | | | | | |
| ALVA BL 940/170 MD LENS MASK | EL00007040 | Lens mask for motion detector in bollard luminaires ALVA BL 940/170 MD DALI | X 35, Z 16 | • | ★ |
| **Diffuser** | | | | | |
| ALVA BL 940/170 OP DIFFUSOR + GASKETS-SET | EL00007019 | Opal diffuser for ALVA BL bollard luminaires Ø 170 mm and 2 sealing rings | X 160, Z 105 | • | ★ |
| ALVA BL 940/170 TR DIFFUSOR + GASKETS-SET | EL00007002 | Transparent diffuser for ALVA BL bollard luminaires Ø 170 mm and 2 sealing rings | X 160, Z 105 | • | ★ |
| **Electrical accessories** | | | | | |
| ALVA BL 700/100 ASSEMBLY GROUP DRIVER DALI | EL10521867 | DALI driver in housing and connection terminal in housing mounted on a support profile, for ALVA bollard luminaires Ø 170 mm | X 410, Y 80, Z 60 | • | ★ |
| ALVA BL 700/100 ASSEMBLY GROUP DRIVER MD DALI | EL10521836 | DALI driver in housing and terminal block in housing mounted on a support profile, including fixing screw | X 410, Y 80, Z 60 | • | ★ |
| ALVA BL 700/100 OP 360° 830 HEAD AN | EL10521898 | Complete luminaire head for bollard luminaires ALVA BL 700/100 with opal diffuser and with integrated LED board 3000 K. | X 100, Z 125 | • | ★ |
| ALVA BL 700/100 OP 360° 840 HEAD AN | EL10521805 | Complete luminaire head for bollard luminaires ALVA BL 700/100 with opal diffuser and with integrated LED board 4000 K. | X 100, Z 125 | • | ★ |
| ALVA BL 700/100 TR 360° 830 HEAD AN | EL10521843 | Complete luminaire head for bollard luminaires ALVA BL 700/100 with transparent diffuser and with integrated LED board 3000 K. | X 100, Z 125 | • | ★ |
| ALVA BL 700/100 TR 360° 840 HEAD AN | EL10521812 | Complete luminaire head for bollard luminaires ALVA BL 700/100 with transparent diffuser and with integrated LED board 4000 K. | X 100, Z 125 | • | ★ |

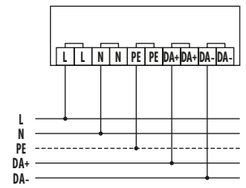
| Product group/product name | Item no. | Product description | Dimensions (mm) | Core portfolio | New product |
|---|---|---|---|---|---|
| ALVA BL 940/170 ASSEMBLY GROUP DRIVER DALI | EL10521874 | DALI driver in housing and connection terminal in housing mounted on a support profile, for ALVA bollard luminaires Ø 100 mm | X 320, Y 110, Z 95 | • | ★ |
| ALVA BL 940/170 ASSEMBLY GROUP DRIVER MD DALI | EL10521911 | DALI driver in housing and connection terminal in housing mounted on a support profile, including fixing screw, for ALVA BL 940/170 MD DALI. | X 320, Y 110, Z 95 | • | ★ |
| **Motion detectors** | | | | | |
| ALVA BL 700/100 MD DALI DETECTOR AN | EL10521850 | Complete DALI motion detector with mounting ring and integrated rain protection cap for ALVA BL MD DALI bollard luminaires Ø 100 mm | X 40, Z 60 | • | ★ |
| ALVA BL 940/170 MD DALI DETECTOR AN | EL10521829 | Complete DALI motion detector with lens mask and with rain protection cap for bollard luminaires ALVA BL MD DALI Ø 170 mm | X 33, Z 60 | • | ★ |
| **Mounting** | | | | | |
| ALVA BL 700/100 BASE PLATE AN | EL10521881 | Base plate for bollard luminaires ALVA BL Ø 100 mm, including 3x screw, 3x dowel | X 100, Z 60 | • | ★ |
| ALVA BL 940/170 BASE PLATE AN | EL10521904 | Base plate for bollard luminaires ALVA BL Ø 170 mm, including 3x screw, 3x dowel | X 170, Z 70 | • | ★ |

BM




Standard operation.

BN




Standard operation.

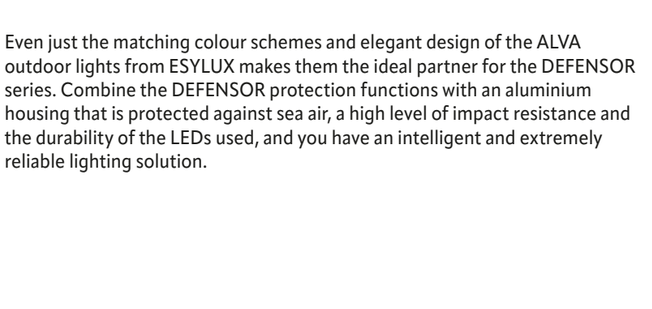
# DURABLE SYNERG Y

## ALVA OUTDOOR LIGHTS AND DEFENSOR

Even just the matching colour schemes and elegant design of the ALVA outdoor lights from ESYLUX makes them the ideal partner for the DEFENSOR series. Combine the DEFENSOR protection functions with an aluminium housing that is protected against sea air, a high level of impact resistance and the durability of the LEDs used, and you have an intelligent and extremely reliable lighting solution.



— 230 V



① The DALI actuator (item no. EP10427473 / EP10427480) switches on the "master" light if movement is detected in the field of detection.

— DALI networking

— 230 V

Controlling bollard lights from the ALVA series using a DEFENSOR motion detector creates a lighting solution for outdoor areas that is every bit as intelligent as it is visually harmonious. Alternatively, or even in addition, the ALVA series includes bollard lights with integrated DALI motion detectors, for instance. ▲



- **High-quality technology at an entry-level price**
- **Compact, unobtrusive aluminium housing**
- **Variants with integrated motion detector**

**3 YEARS MANUFACTURER WARRANTY**




The compact floodlights in the BASIC OFL/AFL entry-level series are suitable for the space-saving illumination of traffic routes, garages and squares or the illumination of façades and signs. The optional integrated motion detector enables automatic and energy-efficient operation.





# BASIC OFL/AFL
# ENERGY EFFICIENCY AT AN ENTRY-LEVEL PRICE

Compact aluminium housing for an unobtrusive installation

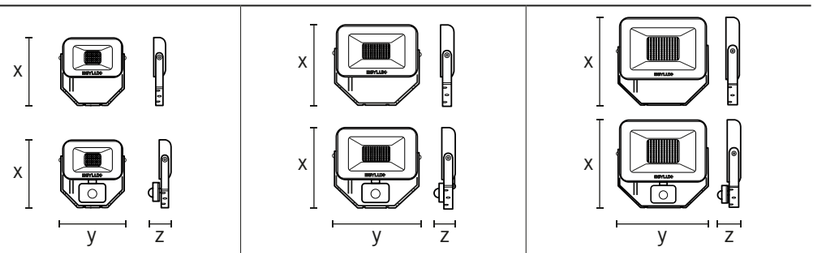
Stainless steel ITD special bracket for simple mounting to a wall, inner corner or outer corner

With optional motion detector for motion and daylight dependent switching of light

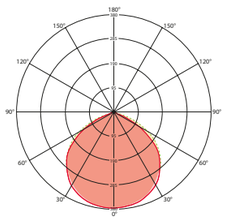
Protection type IP65



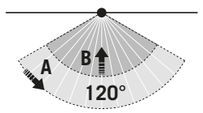

## PRODUCT TYPES




## LIGHT DISTRIBUTION




## FIELD OF DETECTION




## DETECTION RANGE

| | Wall 8 m |
|---|---|
| Diagonally (A) | 8 m |
| Frontal (B) | 3 m |
| - | - |

C0, C90, C0 / C90

Note: Technical data for specific products can be found at www.esylux.com.

# BASIC OFL/AFL

## OUTDOOR LIGHTING / FLOODLIGHTS

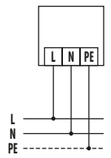


- Compact aluminium housing for an unobtrusive installation
- Stainless steel ITD special bracket for simple mounting to a wall, inner corner or outer corner
- With optional motion detector for motion and daylight dependent switching of light
- Protection type IP65

| Product group/product name | Item no. | Light colour (IEC 1231) | Luminous flux | Rated output P | Luminous efficacy | Unified Glare Rating | Glare suppression | Diffuser | Protection type | Control system | BT (Bluetooth) | Sensor | Energy efficiency class | Dimensions (mm) | Circuit diagram | Core portfolio | New product |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **3000 K / 10 W** | | | | | | | | | | | | | | | | | |
| BASIC AFL TR 1000 830 MD BK (black, similar to RAL 9005) | EL10810817 | 830 | 1000 lm | 10 W | 100 lm/W | < 30 | | TR | IP65 | ON/OFF | | • | F | X 160, Y 170, Z 58 | BO | • | |
| BASIC AFL TR 1000 830 MD WH (white, similar to RAL 9016) | EL10810800 | 830 | 1000 lm | 10 W | 100 lm/W | < 30 | | TR | IP65 | ON/OFF | | • | F | X 160, Y 170, Z 58 | BO | • | |
| BASIC OFL TR 1000 830 BK (black, similar to RAL 9005) | EL10810794 | 830 | 1000 lm | 10 W | 100 lm/W | < 30 | | TR | IP65 | ON/OFF | | | F | X 160, Y 142, Z 28 | BO | • | |
| BASIC OFL TR 1000 830 WH (white, similar to RAL 9016) | EL10810787 | 830 | 1000 lm | 10 W | 100 lm/W | < 30 | | TR | IP65 | ON/OFF | | | F | X 160, Y 142, Z 28 | BO | • | |
| **3000 K / 30 W** | | | | | | | | | | | | | | | | | |
| BASIC AFL TR 3000 830 MD BK (black, similar to RAL 9005) | EL10810855 | 830 | 3000 lm | 30 W | 100 lm/W | < 30 | | TR | IP65 | ON/OFF | | • | F | X 215, Y 205, Z 60 | BO | • | |
| BASIC AFL TR 3000 830 MD WH (white, similar to RAL 9016) | EL10810848 | 830 | 3000 lm | 30 W | 100 lm/W | < 30 | | TR | IP65 | ON/OFF | | • | F | X 215, Y 205, Z 60 | BO | • | |
| BASIC OFL TR 3000 830 BK (black, similar to RAL 9005) | EL10810831 | 830 | 3000 lm | 30 W | 100 lm/W | < 30 | | TR | IP65 | ON/OFF | | | F | X 215, Y 205, Z 32 | BO | • | |
| BASIC OFL TR 3000 830 WH (white, similar to RAL 9016) | EL10810824 | 830 | 3000 lm | 30 W | 100 lm/W | < 30 | | TR | IP65 | ON/OFF | | | F | X 215, Y 205, Z 32 | BO | • | |
| **3000 K / 50 W** | | | | | | | | | | | | | | | | | |
| BASIC AFL TR 5000 830 MD BK (black, similar to RAL 9005) | EL10810893 | 830 | 5000 lm | 47 W | 106 lm/W | < 30 | | TR | IP65 | ON/OFF | | • | F | X 252, Y 240, Z 60 | BO | • | |
| BASIC AFL TR 5000 830 MD WH (white, similar to RAL 9016) | EL10810886 | 830 | 5000 lm | 47 W | 106 lm/W | < 30 | | TR | IP65 | ON/OFF | | • | F | X 252, Y 240, Z 60 | BO | • | |
| BASIC OFL TR 5000 830 BK (black, similar to RAL 9005) | EL10810879 | 830 | 5000 lm | 47 W | 106 lm/W | < 30 | | TR | IP65 | ON/OFF | | | F | X 252, Y 240, Z 32 | BO | • | |
| BASIC OFL TR 5000 830 WH (white, similar to RAL 9016) | EL10810862 | 830 | 5000 lm | 47 W | 106 lm/W | < 30 | | TR | IP65 | ON/OFF | | | F | X 252, Y 240, Z 32 | BO | • | |
| **4000 K / 10 W** | | | | | | | | | | | | | | | | | |
| BASIC AFL TR 1000 840 MD BK (black, similar to RAL 9005) | EL10810930 | 840 | 1000 lm | 10 W | 100 lm/W | < 30 | | TR | IP65 | ON/OFF | | • | E | X 160, Y 170, Z 58 | BO | • | |
| BASIC AFL TR 1000 840 MD WH (white, similar to RAL 9016) | EL10810923 | 840 | 1000 lm | 10 W | 100 lm/W | < 30 | | TR | IP65 | ON/OFF | | • | E | X 160, Y 170, Z 58 | BO | • | |
| BASIC OFL TR 1000 840 BK (black, similar to RAL 9005) | EL10810916 | 840 | 1000 lm | 10 W | 100 lm/W | < 30 | | TR | IP65 | ON/OFF | | | E | X 160, Y 142, Z 28 | BO | • | |
| BASIC OFL TR 1000 840 WH (white, similar to RAL 9016) | EL10810909 | 840 | 1000 lm | 10 W | 100 lm/W | < 30 | | TR | IP65 | ON/OFF | | | E | X 160, Y 142, Z 28 | BO | • | |
| **4000 K / 30 W** | | | | | | | | | | | | | | | | | |
| BASIC AFL TR 3000 840 MD BK (black, similar to RAL 9005) | EL10810732 | 840 | 3000 lm | 30 W | 100 lm/W | < 30 | | TR | IP65 | ON/OFF | | • | F | X 215, Y 205, Z 60 | BO | • | |
| BASIC AFL TR 3000 840 MD WH (white, similar to RAL 9016) | EL10810725 | 840 | 3000 lm | 30 W | 100 lm/W | < 30 | | TR | IP65 | ON/OFF | | • | F | X 215, Y 205, Z 60 | BO | • | |
| BASIC OFL TR 3000 840 BK (black, similar to RAL 9005) | EL10810701 | 840 | 3000 lm | 30 W | 100 lm/W | < 30 | | TR | IP65 | ON/OFF | | | F | X 215, Y 205, Z 32 | BO | • | |
| BASIC OFL TR 3000 840 WH (white, similar to RAL 9016) | EL10810718 | 840 | 3000 lm | 30 W | 100 lm/W | < 30 | | TR | IP65 | ON/OFF | | | F | X 215, Y 205, Z 32 | BO | • | |
| **4000 K / 50 W** | | | | | | | | | | | | | | | | | |
| BASIC AFL TR 5000 840 MD BK (black, similar to RAL 9005) | EL10810770 | 840 | 5000 lm | 47 W | 106 lm/W | < 30 | | TR | IP65 | ON/OFF | | • | F | X 252, Y 240, Z 60 | BO | • | |
| BASIC AFL TR 5000 840 MD WH (white, similar to RAL 9016) | EL10810763 | 840 | 5000 lm | 47 W | 106 lm/W | < 30 | | TR | IP65 | ON/OFF | | • | F | X 252, Y 240, Z 60 | BO | • | |
| BASIC OFL TR 5000 840 BK (black, similar to RAL 9005) | EL10810756 | 840 | 5000 lm | 47 W | 106 lm/W | < 30 | | TR | IP65 | ON/OFF | | | F | X 252, Y 240, Z 32 | BO | • | |
| BASIC OFL TR 5000 840 WH (white, similar to RAL 9016) | EL10810749 | 840 | 5000 lm | 47 W | 106 lm/W | < 30 | | TR | IP65 | ON/OFF | | | F | X 252, Y 240, Z 32 | BO | • | |

| Product group/product name | Item no. | Product description | Dimensions (mm) | Core portfolio | New product |
|---|---|---|---|---|---|
| **Accessories** | | | | | |
| **Mounting** | | | | | |
| FL GROUND SPIKE BK | EL10810558 | Wall arm for floodlight, including adapter, black | X 60, Z 265 | • | |
| FL GROUND SPIKE WH | EL10810541 | Wall arm for floodlight, including adapter, white | X 60, Z 265 | • | |
| FL WALL ARM 700 BK | EL10810534 | Wall arm for floodlight, 700 mm, including adapter, black | X 700, Y 40, Z 40 | • | |
| FL WALL ARM 700 WH | EL10810527 | Wall arm for floodlight, 700 mm, including adapter, white | X 700, Y 40, Z 40 | • | |

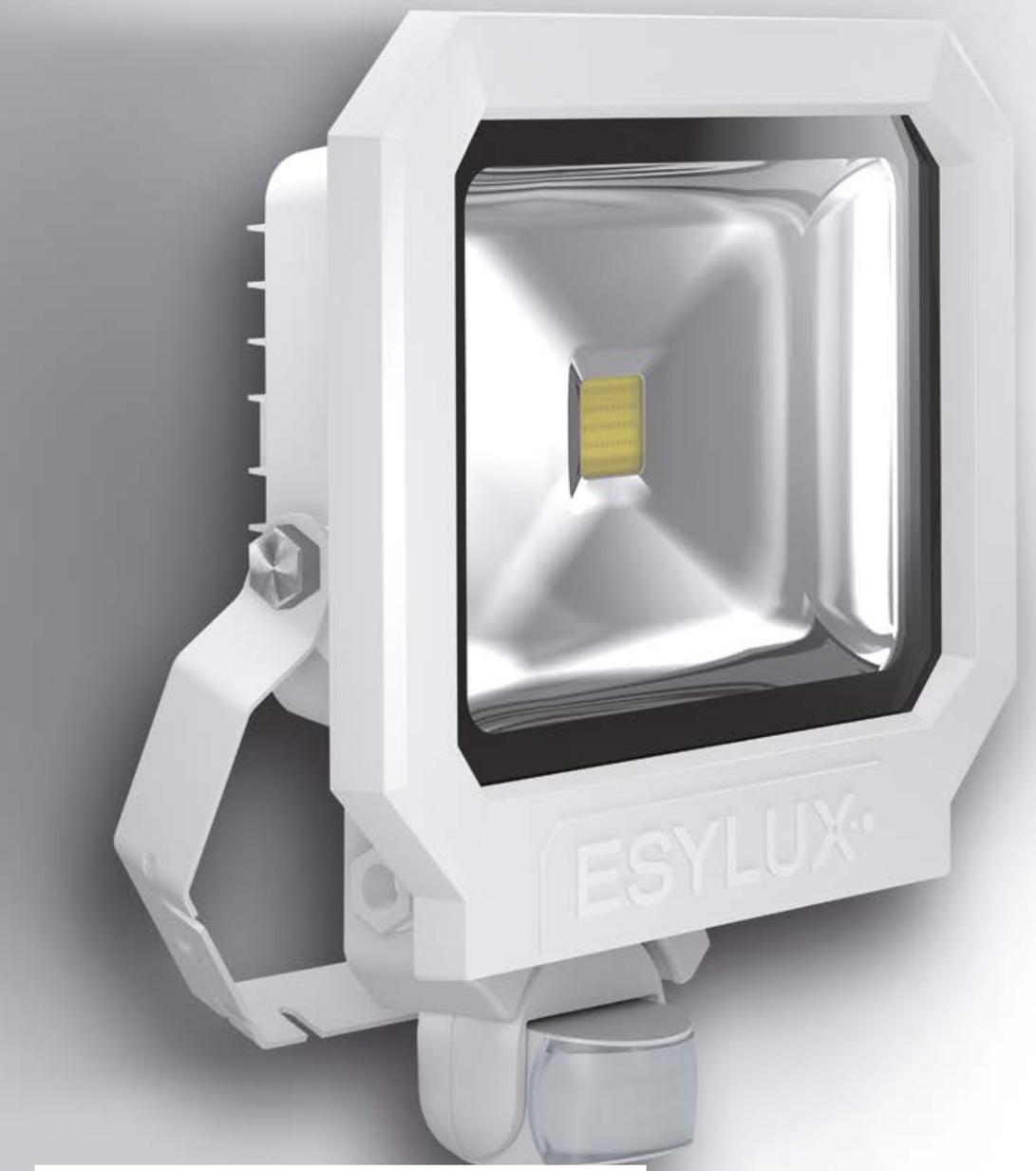
BO




Standard operation.

- **Separate connection box for easy installation**
- **Variants with integrated motion detectors, optimised for controlling further LED lights**

**3 YEARS MANUFACTURER WARRANTY**




The robust LED floodlights in the SUN OFL/AFL series are suited to brightly illuminating traffic routes, squares and garages — or for illuminating façades, signs and billboards. The optional motion detector provides automatic and therefore energy-efficient, convenient operation, while clever details simplify installation.





# SUN OFL/AFL
# ROBUST, DURABLE AND EVEN MORE EFFICIENT AS A GROUP

High-quality die-cast aluminium housing, stainless steel external screws

Stainless steel, special ITD bracket for simple mounting on walls, inner corners or outer corners

Motion detector with zero-cross switching to protect the relay

Motion detector with switching output for master/master or master/slave networking

Overvoltage protection category II (up to 2.5 kV)



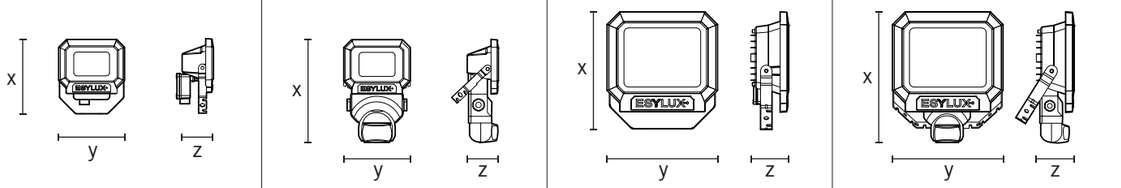

Easy installation with separate connection box (no need to open light housing)

Variants with integrated motion detectors for motion and daylight dependent light switching

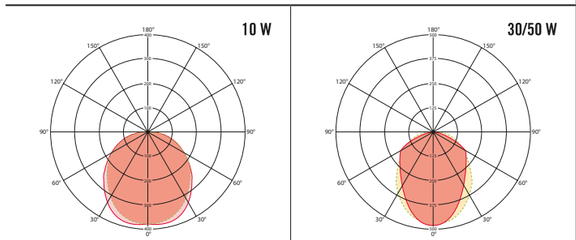
Simple adjustment of the range and field of detection due to the revolving and tilting detector axis

Protection type IP65

## PRODUCT TYPES

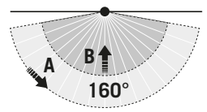



## LIGHT DISTRIBUTION




C0, C90, C0 / C90

## FIELD OF DETECTION




## DETECTION RANGE

| | Wall 12 m |
|---|---|
| Diagonally (A) | 12 m |
| Frontal (B) | 5 m |
| - | - |

Note: Technical data for specific products can be found at www.esylux.com.

# SUN OFL/AFL

## OUTDOOR LIGHTING / FLOODLIGHTS

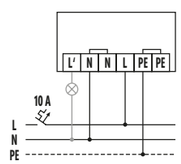


- High-quality die-cast aluminium housing, stainless steel external screws
- Easy installation with separate connection box (no need to open light housing)
- Stainless steel, special ITD bracket for simple mounting on walls, inner corners or outer corners
- Variants with integrated motion detectors for motion and daylight dependent light switching
- Motion detector with zero-cross switching to protect the relay
- Simple adjustment of the range and field of detection due to the revolving and tilting detector axis
- Motion detector with switching output for master/master or master/slave networking
- Protection type IP65
- Overvoltage protection category II (up to 2.5 kV)

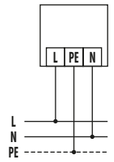
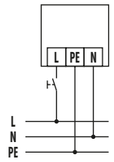
| Product group/product name | Item no. | Light colour (IEC 1231) | Luminous flux | Rated output P | Luminous efficacy | Unified Glare Rating | Glare suppression | Diffuser | Protection type | Control system | BT (Bluetooth) | Sensor | Energy efficiency class | Dimensions (mm) | Circuit diagram | Core portfolio | New product |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **3000 K / 10 W** | | | | | | | | | | | | | | | | | |
| SUN AFL TR 900 830 MD BK (black, similar to RAL 9005) | EL10810039 | 830 | 900 lm | 9,7 W | 92 lm/W | | | TR | IP65 | ON/OFF | | • | LED EEI E | X 210, Y 133, Z 75 | BP | • | |
| SUN AFL TR 900 830 MD WH (white, similar to RAL 9016) | EL10810022 | 830 | 900 lm | 9,7 W | 92 lm/W | | | TR | IP65 | ON/OFF | | • | LED EEI E | X 210, Y 133, Z 75 | BP | • | |
| SUN OFL TR 900 830 BK (black, similar to RAL 9005) | EL10810015 | 830 | 900 lm | 9,7 W | 92 lm/W | | | TR | IP65 | ON/OFF | | | LED EEI E | X 150, Y 133, Z 75 | BQ | • | |
| SUN OFL TR 900 830 WH (white, similar to RAL 9016) | EL10810008 | 830 | 900 lm | 9,7 W | 92 lm/W | | | TR | IP65 | ON/OFF | | | LED EEI E | X 150, Y 133, Z 75 | BQ | • | |
| **3000 K / 30 W** | | | | | | | | | | | | | | | | | |
| SUN AFL TR 3400 830 MD BK (black, similar to RAL 9005) | EL10810138 | 830 | 3400 lm | 30 W | 113 lm/W | | | TR | IP65 | ON/OFF | | • | LED EEI E | X 290, Y 250, Z 86 | BP | • | |
| SUN AFL TR 3400 830 MD WH (white, similar to RAL 9016) | EL10810121 | 830 | 3400 lm | 30 W | 113 lm/W | | | TR | IP65 | ON/OFF | | • | LED EEI E | X 290, Y 250, Z 86 | BP | • | |
| SUN OFL TR 3400 830 BK (black, similar to RAL 9005) | EL10810114 | 830 | 3400 lm | 30 W | 113 lm/W | | | TR | IP65 | ON/OFF | | | LED EEI E | X 267, Y 252, Z 86 | BQ | • | |
| SUN OFL TR 3400 830 WH (white, similar to RAL 9016) | EL10810107 | 830 | 3400 lm | 30 W | 113 lm/W | | | TR | IP65 | ON/OFF | | | LED EEI E | X 267, Y 252, Z 86 | BQ | • | |
| **3000 K / 50 W** | | | | | | | | | | | | | | | | | |
| SUN AFL TR 5100 830 MD BK (black, similar to RAL 9005) | EL10810237 | 830 | 5100 lm | 48 W | 106 lm/W | | | TR | IP65 | ON/OFF | | • | LED EEI E | X 290, Y 250, Z 86 | BP | • | |
| SUN AFL TR 5100 830 MD WH (white, similar to RAL 9016) | EL10810220 | 830 | 5100 lm | 48 W | 106 lm/W | | | TR | IP65 | ON/OFF | | • | LED EEI E | X 290, Y 250, Z 86 | BP | • | |
| SUN OFL TR 5100 830 BK (black, similar to RAL 9005) | EL10810213 | 830 | 5100 lm | 48 W | 106 lm/W | | | TR | IP65 | ON/OFF | | | LED EEI E | X 267, Y 252, Z 86 | BQ | • | |
| SUN OFL TR 5100 830 WH (white, similar to RAL 9016) | EL10810206 | 830 | 5100 lm | 48 W | 106 lm/W | | | TR | IP65 | ON/OFF | | | LED EEI E | X 267, Y 252, Z 86 | BQ | • | |
| **5000 K / 10 W** | | | | | | | | | | | | | | | | | |
| SUN AFL TR 1000 850 MD BK (black, similar to RAL 9005) | EL10810084 | 850 | 1000 lm | 9,7 W | 103 lm/W | | | TR | IP65 | ON/OFF | | • | LED EEI E | X 210, Y 133, Z 75 | BP | • | |
| SUN AFL TR 1000 850 MD WH (white, similar to RAL 9016) | EL10810077 | 850 | 1000 lm | 9,7 W | 103 lm/W | | | TR | IP65 | ON/OFF | | • | LED EEI E | X 210, Y 133, Z 75 | BP | • | |
| SUN OFL TR 1000 850 BK (black, similar to RAL 9005) | EL10810060 | 850 | 1000 lm | 9,7 W | 103 lm/W | | | TR | IP65 | ON/OFF | | | LED EEI E | X 150, Y 133, Z 75 | BQ | • | |
| SUN OFL TR 1000 850 WH (white, similar to RAL 9016) | EL10810053 | 850 | 1000 lm | 9,7 W | 103 lm/W | | | TR | IP65 | ON/OFF | | | LED EEI E | X 150, Y 133, Z 75 | BQ | • | |
| **5000 K / 30 W** | | | | | | | | | | | | | | | | | |
| SUN AFL TR 3700 850 MD BK (black, similar to RAL 9005) | EL10810183 | 850 | 3700 lm | 30 W | 123 lm/W | | | TR | IP65 | ON/OFF | | • | LED EEI E | X 290, Y 250, Z 86 | BP | • | |
| SUN AFL TR 3700 850 MD WH (white, similar to RAL 9016) | EL10810176 | 850 | 3700 lm | 30 W | 123 lm/W | | | TR | IP65 | ON/OFF | | • | LED EEI E | X 290, Y 250, Z 86 | BP | • | |
| SUN OFL TR 3700 850 BK (black, similar to RAL 9005) | EL10810169 | 850 | 3700 lm | 30 W | 123 lm/W | | | TR | IP65 | ON/OFF | | | LED EEI E | X 267, Y 252, Z 86 | BQ | • | |
| SUN OFL TR 3700 850 WH (white, similar to RAL 9016) | EL10810152 | 850 | 3700 lm | 30 W | 123 lm/W | | | TR | IP65 | ON/OFF | | | LED EEI E | X 267, Y 252, Z 86 | BQ | • | |
| **5000 K / 50 W** | | | | | | | | | | | | | | | | | |
| SUN AFL TR 5400 850 MD BK (black, similar to RAL 9005) | EL10810282 | 850 | 5400 lm | 48 W | 112 lm/W | | | TR | IP65 | ON/OFF | | • | LED EEI E | X 290, Y 250, Z 86 | BP | • | |
| SUN AFL TR 5400 850 MD WH (white, similar to RAL 9016) | EL10810275 | 850 | 5400 lm | 48 W | 112 lm/W | | | TR | IP65 | ON/OFF | | • | LED EEI E | X 290, Y 250, Z 86 | BP | • | |
| SUN OFL TR 5400 850 BK (black, similar to RAL 9005) | EL10810268 | 850 | 5400 lm | 48 W | 112 lm/W | | | TR | IP65 | ON/OFF | | | LED EEI E | X 267, Y 252, Z 86 | BQ | • | |
| SUN OFL TR 5400 850 WH (white, similar to RAL 9016) | EL10810251 | 850 | 5400 lm | 48 W | 112 lm/W | | | TR | IP65 | ON/OFF | | | LED EEI E | X 267, Y 252, Z 86 | BQ | • | |

| Product group/product name | Item no. | Product description | Dimensions (mm) | Core portfolio | New product |
|---|---|---|---|---|---|
| **Accessories** | | | | | |
| **Mounting** | | | | | |
| FL GROUND SPIKE BK | EL10810558 | Wall arm for floodlight, including adapter, black | X 60, Z 265 | • | |
| FL GROUND SPIKE WH | EL10810541 | Wall arm for floodlight, including adapter, white | X 60, Z 265 | • | |
| FL WALL ARM 700 BK | EL10810534 | Wall arm for floodlight, 700 mm, including adapter, black | X 700, Y 40, Z 40 | • | |
| FL WALL ARM 700 WH | EL10810527 | Wall arm for floodlight, 700 mm, including adapter, white | X 700, Y 40, Z 40 | • | |

BP




Standard operation with optional connection of external loads.

| | | |
|---|---|---|
| BQ |  |  |
| | Standard operation. | Standard operation with on/off switch. |









OUTDOOR LIGHTING

# DALI-2 TAKES YOU TO THE FUTURE

## ONE STANDARD FOR ALL OPTIONS

If you're looking to install an intelligent light control system in offices, educational institutions and health facilities, it's now impossible to ignore the DALI international industry standard.

With the ability to address and control lights and lighting groups individually, this digital communication protocol offers users an unparalleled level of flexibility. Its planning and installation functions are also much less complicated than those of conventional lighting systems and users can update the configuration via software without having to update any hardware.

**CROSS-MANUFACTURER INTEROPERABILITY**

The development of the standard into DALI-2 ensures it will continue to have a secure future. The functionality of the standard has been improved even further, ensuring interoperability between devices from different manufacturers. This allows project managers to create a solution using the very best devices.

DALI-2 presence detectors from ESYLUX are the number one choice for control. These detectors increase quality of life and energy efficiency in any workplace, offer the largest variety of functions in a compact design and enable easy configuration via the ESY-App!

### WHY YOU WILL BENEFIT FROM DALI-2

- Internationally established, open industry standard
- Cross-manufacturer interoperability
- Individual addressing and control:
  - Up to 64 operating devices, 64 control units and input devices
  - Up to 16 groups
  - Up to 16 scenes
- Reconfiguration via software without the need to update any hardware
- Bi-directional communication with status feedback
- Robust bus communication with collision detection
- Can be used as a sub-system (e.g. with KNX)
- Optimal dimming of LED lighting
- Fewer materials and less effort needed for installation:
  - Only one cable for all devices (incl. control wires and power supply)
  - Existing wiring can often be re-used
  - Cables can be arranged in line, star or tree topologies
  - Polarity-free wiring
  - Groups are established via software without any wiring requirements

### CROSS-ROOM DECENTRALISED CONTROL

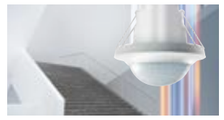
**Benefits of decentralised control from ESYLUX:**

- Lower system costs as a cost-effective BMS presence detector can be easily integrated
- No switch cabinet components or need to modify the switch cabinet components
- Easy commissioning and configuration via smartphone (no need for a tablet, PC or special software)
- Adapt to changing room situations without any additional hardware thanks to flexible group switching
- Up to 90 % faster documentation as all project settings are automatically saved via the app




**INTELLIGENT AND POWERFUL** 200

An overview of the advantages of the decentralised DALI-2 solution from ESYLUX


**CROSS-ROOM CONTROL** 202

APC presence detectors with decentralised control combined with BMS presence detectors as input devices





**FUNCTIONAL ADVANTAGE FOR EVERY ZONE** 206

Flexible group control of APC presence detectors


### CENTRAL BUILDING CONTROL




**SMART INPUT ON ALL LEVELS** 208

BMS presence detectors in building management systems from third-party providers


### SINGLE-ROOM CONTROL




**SIMPLE DALI: BROADCAST** 210

Single-room solution without addressing

# INTELLIGENT AND POWERFUL

## THE DECENTRALISED DALI-2 SOLUTION FROM ESYLUX

### OPTIMAL LIGHTING CONDITION WITH MAXIMUM ENERGY EFFICIENCY

Presence and light sensor technology from ESYLUX enables the best lighting conditions and energy-efficient implementation in every workplace. Depending on the variant used, this is achieved via:

- SymbiLogic technology for energy-efficient Human Centric Lighting (HCL)
- Presence and daylight dependent constant light control

### CROSS-ROOM CONTROL OF UP TO 16 GROUPS

The APC presence detectors (APC: Application Controller) feature a built-in control unit and bus power supply for controlling up to 64 control gears in up to 16 light groups and offer numerous configuration options, including:

- Swarm function
- Flexible group switching for when room usage changes
- Light closed loop control with offset
- Orientation light

### SIMPLE MANUAL OVERRIDE

Via 230V or DALI-2 push buttons the user can override the automation at any time according to his wishes:

- Up to 16 scenes for different situations
- Adjust the level of brightness as well as the light colour using SymbiLogic
- Adjust the set point for the level of brightness by manual dimming (automation is resumed)
- Individually configurable: DALI-2 detectors with push button inputs or separate DALI-2 push buttons with up to 8 single push buttons

### ENERGY-EFFICIENT SWITCHING

The additional switching output of the APC detector enables conventional devices to be integrated and activated dependent on presence. For instances such as:

- Switching of HVAC, 230V devices or conventional lights
- Switch-off of DALI control gears (standby switch-off)

### CONTROL BASED ON THE DAY OF THE WEEK AND TIME OF THE DAY

As different levels of lighting are needed at different times, DALI-2 solutions from ESYLUX offer time-dependent control for:

- Different operating modes
- Afterglow and orientation light
- Night operation

### SPECIAL FUNCTIONS

Rooms have different requirements depending on their usage. It is therefore useful that the following can be controlled via buttons:

- Central functions
- Alarm functions

**EASY TO CONFIGURE VIA SMARTPHONE AND ESY-APP**

# CROSS-ROOM CONTROL

## APC PRESENCE DETECTOR WITH BUILT-IN CONTROL UNIT

The APC presence detectors (APC: Application Controller) act as the intelligent switch cabinets in DALI-2 solutions from ESYLUX and use the full potential of the standard. These detectors combine a control unit, bus power supply, multi-sensor technology and push button input and enable autonomous, cross-room control of up to 16 groups without the need for a complex building automation system.

Furthermore, the components are bundled in a single housing, making planning and installation much easier. Several configurations are available, enabling numerous functions for comfort and energy efficiency.

### COMPACT AND POWERFUL

- Built-in DALI control unit and DALI bus power supply (250 mA)
- Passive infrared presence detectors offer presence detection and light sensor technology
- Integrated switching output for HVAC devices or supplementary lighting (16 A relay, potential-free)
- Quick installation in suspended ceilings using a standard drill bit and without additional accessories (Ø 68 mm)
- Detection range of Ø 8, 24 and 32 m
- Bi-directional communication via built-in Bluetooth module
- Four inputs for conventional push buttons (non-floating):
  - Existing 230 V buttons can be used directly!
- Alternatively: DALI-2 push buttons from ESYLUX can be integrated via DALI bus
  - Available with up to 8 single push buttons



COMPACT APC30 HCL

Available from Q4 2024

COMPACT APC20

COMPACT APC10

### UP TO 16 LIGHTING GROUPS

- Individual control of up to 64 operating devices in up to 16 groups
- Fully automatic, semi-automatic, manual override (16 scenes)
- Presence and daylight dependent constant light control
- Group control with offset possible
- Manual adjustment of the set point of the level of brightness
- Basic lighting formed of afterglow and orientation light
- Flexible group switching
- Switching of HVAC and 230 V lights

### TIME FUNCTIONS

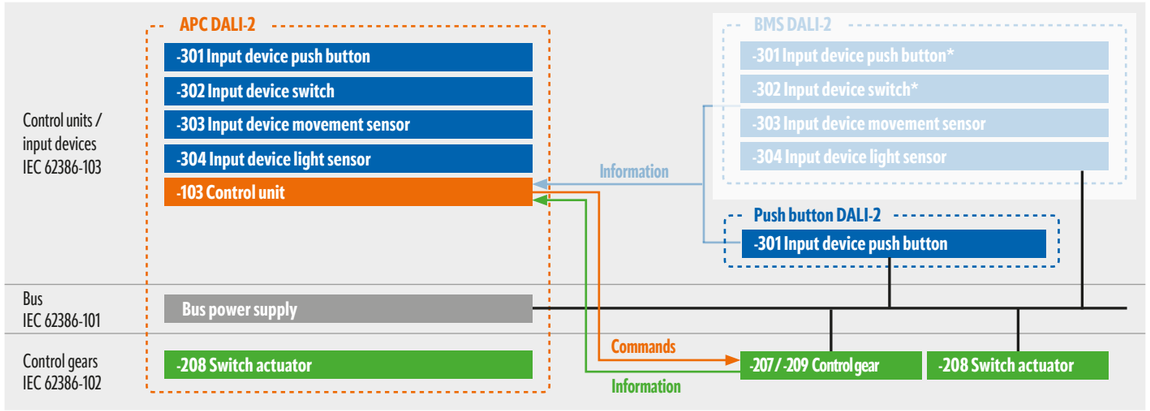
- Control based on the day of the week and the time of the day
- Automatic brightness control
- Stairwell light automation
- Standby switch-off
- Swarm function
- Central functions

### HUMAN CENTRIC LIGHTING

- SymbiLogic (energy-efficient HCL)
- Night operation
- Alarm functions

### APC PRESENCE DETECTOR – DALI-2 BUS COMMUNICATION

APC presence detectors (APC: Application Controller = control unit) from ESYLUX combine the most important features in a single device. Using sensor technology, they detect presence and brightness and overtake the direct control of the operating devices at the same time.




* Not included in the COMPACT MINI BMS DALI-2 detector.

# BMS PRESENCE DETECTORS AS INPUT DEVICES

BMS presence detectors (BMS: Building Management System) supplement the APC presence detector (APC: Application Controller) of a system as this detector only detects presence and measures brightness in its own room zone.

Using built-in presence and light sensors and additional push button inputs, BMS presence detectors (BMS: Building Management System) supply the necessary information to all other areas, setting the foundation for all 16 groups to be controlled individually. The design variants from the COMPACT, FLAT and COMPACT MINI series offer solutions for a wide range of visual requirements.



## COMPACT SERIES

- Integrated presence and light sensors
- Two-piece housing for simple installation
- Two potential-free inputs for conventional switches
- Detection ranges of Ø 8, 24 or 32 m

## FLAT SERIES

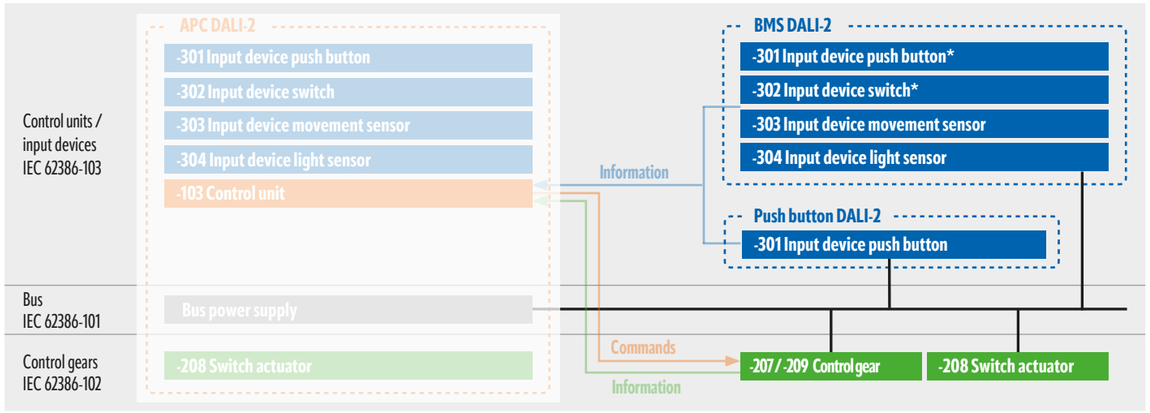
- Integrated presence and light sensors
- Flat, elegant design (round or rectangular)
- One potential-free input for conventional switches
- Detection range of Ø 8 m

## COMPACT MINI SERIES

- Integrated presence and light sensors
- Particularly compact design for unobtrusive operation
- Detection range of Ø 8 m

### BMS PRESENCE DETECTOR – DALI-2 BUS COMMUNICATION

Using built-in presence and light sensors as well as push button inputs, BMS presence detectors (BMS: Building Management System) combine all the important input devices in line with the DALI-2 standard in a single housing, making planning and installation easier.



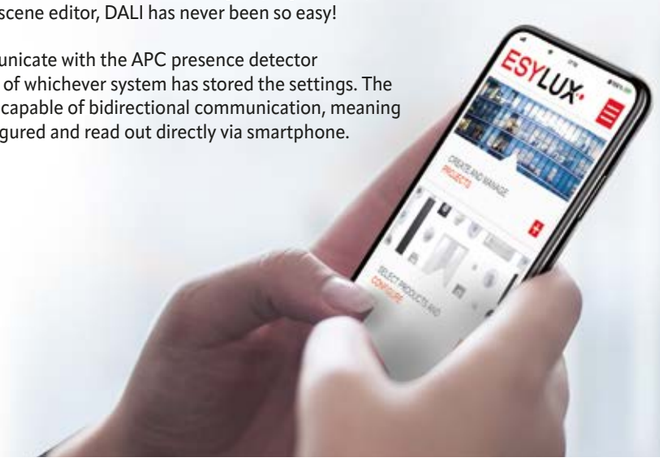

* Not included in the COMPACT MINI BMS DALI-2 detector.

# SIMPLE CONFIGURATION VIA THE ESY-APP

### GROUP AND CONFIGURE DECENTRALISED DALI-2 SOLUTIONS VIA THE APC PRESENCE DETECTOR

The intuitive ESY-App from ESYLUX allows users to configure lighting systems in no time at all. With quick detection of addressed devices, grouping via the quick assignment function and the scene editor, DALI has never been so easy!

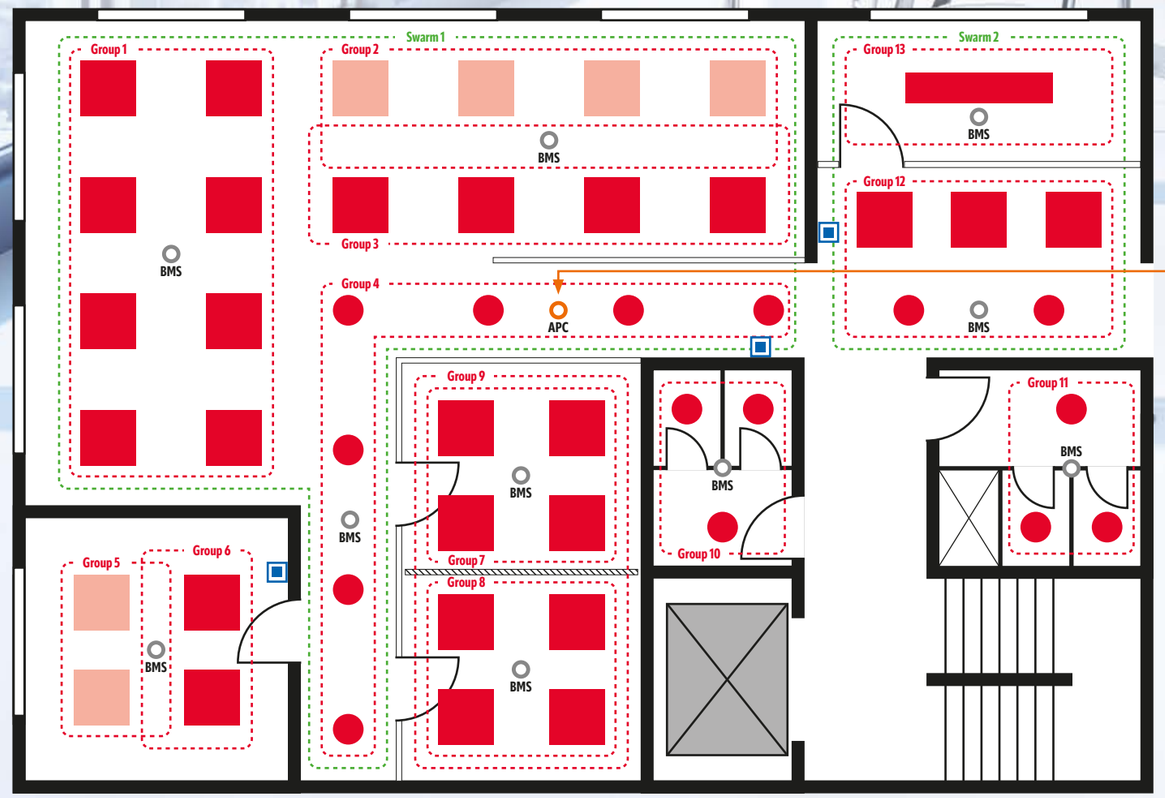
The ESY-App is able to communicate with the APC presence detector (APC: Application Controller) of whichever system has stored the settings. The system's Bluetooth module is capable of bidirectional communication, meaning parameters can be both configured and read out directly via smartphone.



# FUNCTIONAL ADVANT AGE FOR EVERY ZONE

## FLEXIBLE GROUP CONTROL OF APC PRESENCE DETECTORS

Whether using the swarm function, orientation light or time-controlled night operation, all users in any building can benefit from a light control that is tailored to meet the requirements of the given area. The APC presence detectors (APC: Application Controller) can be combined with the BMS presence detector (BMS: Building Management System) to form intelligent lighting groups in all sections and offer a variety of functions for individual lighting in every room zone as required.




Lights
Presence detector
DALI-2 Push button

**In this example, the APC presence detector controls 47 luminaires in 13 groups within a section of building (up to 64 luminaires in 16 groups are possible)**

| | |
|---|---|
| **Group 1, 2, 3** | Open-plan office |
| **Group 4** | Corridor |
| **Group 5, 6** | Single office |
| **Group 7, 8, 9** | Meeting room 1 (with partition) |
| **Group 10, 11** | WC |
| **Group 12** | Reception area |
| **Group 13** | Meeting room 2 |

| Quantity | Product name | Item no. |
|---|---|---|
| 1 | PD-C 360bt/8 APC10 PS plus DALI-2 | EP10428142 |
| 2 | PD-C 360/24 BMS DALI-2 | EP10428210 |
| 3 | PD-C 360/8 BMS DALI-2 | EP10428203 |
| 5 | PD-C 360/8 mini BMS DALI-2 | EP10423048 |
| 31 | CELINE-2 PNL 600 DDP OP 4000 840 IP20 ELC | EQ10132315 |
| 31 | DRIVER-SET 30W RJ45 DALI-2 | EQ10127793 |
| 3 | PUSH BUTTON x8 DALI-2 WH | EP10431630 |
| 15 | ELSA-2 DL 225 OP 110° 1800 840 WH DALI | EO10298950 |

F A↑G

### ESYLUX DALI-2 CONCEPT & FUNCTIONS




**The full functional scope of the APC presence detector can be found in the "DALI-2 Concept & Functions" brochure. Simply scan the QR code or visit our website at www.esylux.com.**

# SMART INPUT ON ALL LEVELS

## BMS PRESENCE DETECTORS IN BUILDING MANAGEMENT SYSTEMS

Many large, modern office buildings use building management systems with a central control function. BMS presence detectors (BMS: Building Management System) from ESYLUX feature field-tested high-quality sensors, making them a top choice for building system management as they reliably supply the control unit with all the necessary information. Furthermore, the FLAT and COMPACT MINI variants are the ideal solutions for spaces with sophisticated design features.



COMPACT SERIES



FLAT SERIES



COMPACT MINI SERIES

### OVERVIEW OF THE BMS PRESENCE DETECTOR

- Easy to integrate in third-party building management systems, such as those from Beckhoff, Wago, Sauter or Helvar (Router 950) as input devices
- Integrated presence and light sensors
- Compact, flat or particularly small series design
- Detection range of Ø 8 m (FLAT, COMPACT MINI) or of Ø 8 m, 24 and 32 m (COMPACT)
- Potential-free inputs for conventional switches (2x COMPACT, 1x FLAT):

  Existing 230 V buttons can be used directly!
- Alternatively: DALI-2 push buttons from ESYLUX can be integrated via DALI bus

  Available with up to 8 single push buttons



# SIMPLE DALI: BRO ADCAST

## SINGLE-ROOM SOLUTIONS WITHOUT ADDRESSING

As existing buildings are modernised to be more energy-efficient, project managers sometimes have to work through the building room by room. ESYLUX solutions with DALI Broadcast offer the ideal sensor solution for this type of scenario.

The sensors do not need to be addressed, are ready to use instantly without having to change the factory settings and when combined with DUO DALI presence detectors from the COMPACT series, offer solutions with two light channels and an energy-efficient offset.



### EXAMPLE OF APPLICATION IN A CLASSROOM

In constant lighting control concepts for lighting systems with lights near to and far from windows, an offset between the light channels ensures optimal lighting conditions and improved energy efficiency.



**ACTUATOR FULL AUTO C3 DALI**
**ACTUATOR SEMI AUTO C4 DALI**

ESYLUX actuators supplement all Broadcast presence detectors by up to two switching channels (screens, interactive boards, accent lighting or HVAC). The lights and actuators can be operated as a fully automatic or semi-automatic system.

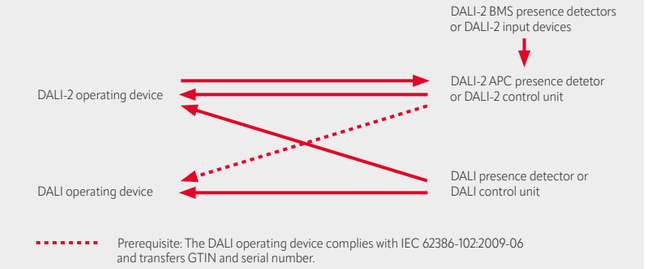



**DOWNWARD COMPATIBILITY DALI-2 TO DALI**

**Due to backwards compatibility, DALI-2 control gear can also recognise and interpret DALI commands.**

**This means ESYLUX DALI Broadcast detectors can also be used in lighting systems with DALI-2 lights and operating devices.**

**The DALI-2 operating devices can interpret and follow the DALI commands from the detectors without any issues.**




### DUO DALI PRESENCE DETECTORS WITH TWO BROADCAST CHANNELS

- Presence and daylight dependent constant light control
- Control of two lighting systems with offset
- Integrated bus power supply for up to 25 operating devices per light channel
- Switch off warning, orientation light and night light
- Up to two additional switching channels with a DALI actuator as an accessory
- Two push button inputs for manual control
- Temporary override by remote control
- Ready for use immediately with factory settings
- Low energy consumption



**PD-C 360i/32 DUO DALI**
**PD-C 360i/24 DUO DALI**



**PD-C 360i/8 DUO DALI**

### PRESENCE DETECTOR WITH ONE BROADCAST CHANNEL

- Presence and daylight dependent constant light control
- Up to two additional switching channels with a DALI actuator as an accessory
- Push button input for manual control
- Temporary override by remote control
- Orientation light
- Ready for use immediately with factory settings
- Bus power supply as an accessory



**PD-FLAT 360i/8 ROUND WHITE DALI**
**PD-FLAT 360i/8 ROUND BLACK DALI**



**PD-C 360i/8 mini DALI**



**PD-FLAT 360i/8 SQUARE WHITE DALI**
**PD-FLAT 360i/8 SQUARE BLACK DALI**



**PD-FLAT 360i/6 mini DALI**

# ESYLUX LIGHT CONTROL ELC

## INSTALL INTELLIGENT LIGHT ON A ROOM-BY-ROOM BASIS USING PLUG AND PLAY



- Lighting systems consisting of ELC ceiling lights, ELC control units, ELC presence detectors and accessories
- Simple installation, grouping, scaling and networking with low risk of error using plug and play
- Ready for use immediately with no programming required
- Energy-efficient Human Centric Lighting using SymbiLogic technology
- Alternatively with fixed light colour and presence- and daylight-dependent constant light control
- Freely configurable or in a preconfigured set
- Cost-efficient solution for room-by-room future-proof modernisation in offices, educational institutions and health facilities

It has never been easier to equip workplaces with optimal lighting systems: Lighting systems with ESYLUX Light Control ELC can be installed, grouped, scaled and networked using plug and play – the perfect concept for times when the support of a skilled professional is unavailable, with a time saving of up to 60 %. ELC technology makes the work of installers and planners easier and its intelligent lighting control ensures maximum quality of life, economy and sustainable energy efficiency.

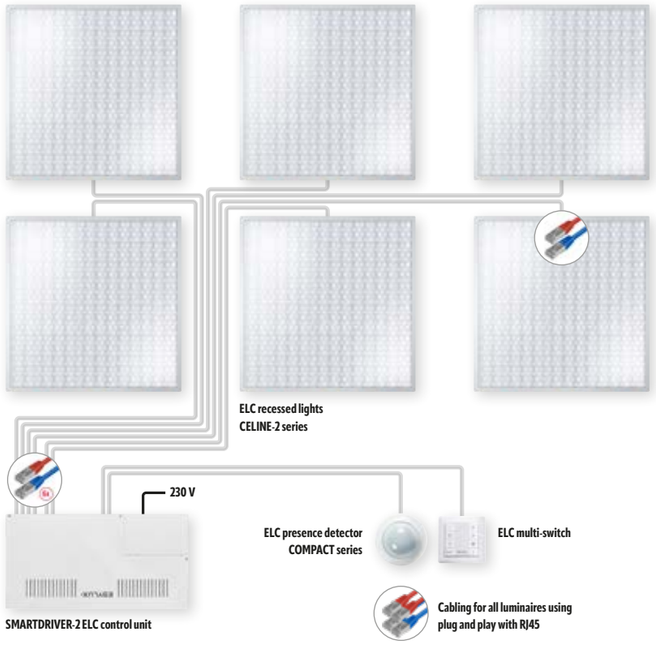
**Up to 60 %**
**time savings due to plug and play**

**Can also be installed by non-skilled personnel**

**Up to 90 %**
**fewer 230 V connections using SELV**

**INCREASES**
**QUALITY OF LIFE**
**ROI OF THE PROPERTY**
**ENERGY EFFICIENCY**
**FLEXIBILITY OF USE**

**REDUCES**
**INVESTMENT COSTS**
**OPERATING COSTS**
**INSTALLATION WORK**
**MAINTENANCE WORK**




The SMARTDRIVER-2 control unit contains the power supply for the system luminaires and the system sensors, which is why they can be connected easily using plug and play.

### ESYLUX LIGHT CONTROL ELC CONCEPT & FUNCTIONS




**The full functional scope on the subject of ELC can be found in the "ELC Concept & Functions" brochure. Simply scan the QR code or visit our website at www.esylux.com.**

# OPTIMAL LIGHTING CO NDITIONS FOR WORK

## INTELLIGENTLY CONTROLLED: ENERGY ONLY WHEN IT'S NEEDED

## 2700 – 6500 K

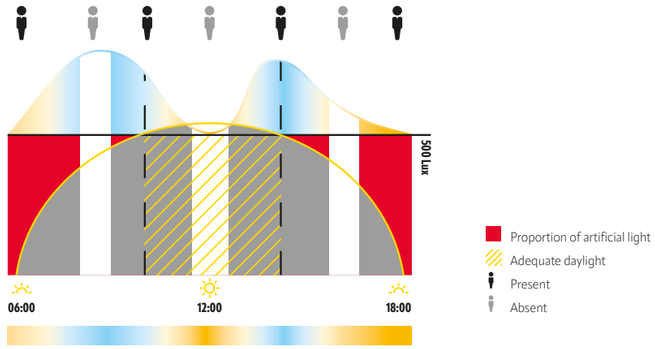
**TUNABLE WHITE FOR ENERGY-EFFICIENT HUMAN CENTRIC LIGHTING WITH SYMBILOGIC**

Human Centric Lighting is the optimal lighting for people indoors. It uses brightness and colour that imitate daylight to improve well-being, vitality and concentration levels. It also stabilises circadian rhythms, improves sleep and benefits health.

ESYLUX developed SymbiLogic technology to enable Human Centric Lighting to be implemented in an energy-efficient and sustainable manner: It uses presence- and daylight-dependent adaptive HCL light control and represents the latest form of the tried-and-tested concept of constant light control indoors. People in the workplace simply feel better – and the intelligent controls not only save users money, but also conserve natural resources.

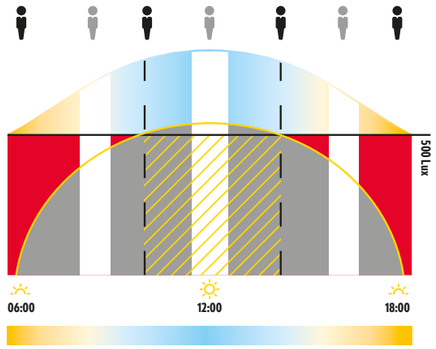
SYMBI™ LOGIC

**CIRCADIAN CYCLES FOR OFFICE APPLICATIONS**




By altering the illuminance and light colour in the middle of the day, the circadian cycles for offices help to effectively combat midday fatigue.

**OR FOR HEALTH FACILITIES AND EDUCATIONAL INSTITUTIONS**




Alternatively, SymbiLogic offers a lighting sequence that ideally emulates the natural characteristics of a sunny day. This sequence is ideal for care homes or higher education institutions.

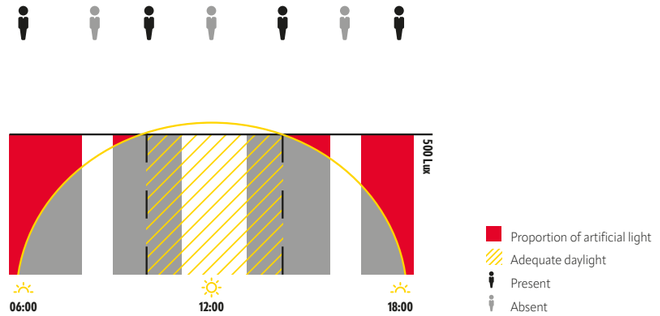
## 3000 K / 4000 K

**FIXED LIGHT COLOUR FOR PRESENCE- AND DAYLIGHT-DEPENDENT CONSTANT LIGHT CONTROL**

An intelligent light control system switches the lighting on only when people are detected and sets the necessary level of brightness based on the current level of daylight. The result is presence- and daylight-dependent constant light control – the most energy-efficient control concept for lighting with a fixed light colour.

ESYLUX presence detectors use tried-and-tested high-quality sensor technology for this purpose. They use radiation-free passive infrared technology to detect human presence and a built-in light sensor to reliably measure the current level of brightness in the workplace. Not only does this reduce energy usage, it also increases the level of comfort. It's one less thing for workers to worry about, allowing them to concentrate fully on the task at hand.

**PRESENCE- AND DAYLIGHT-DEPENDENT CONSTANT LIGHT CONTROL**



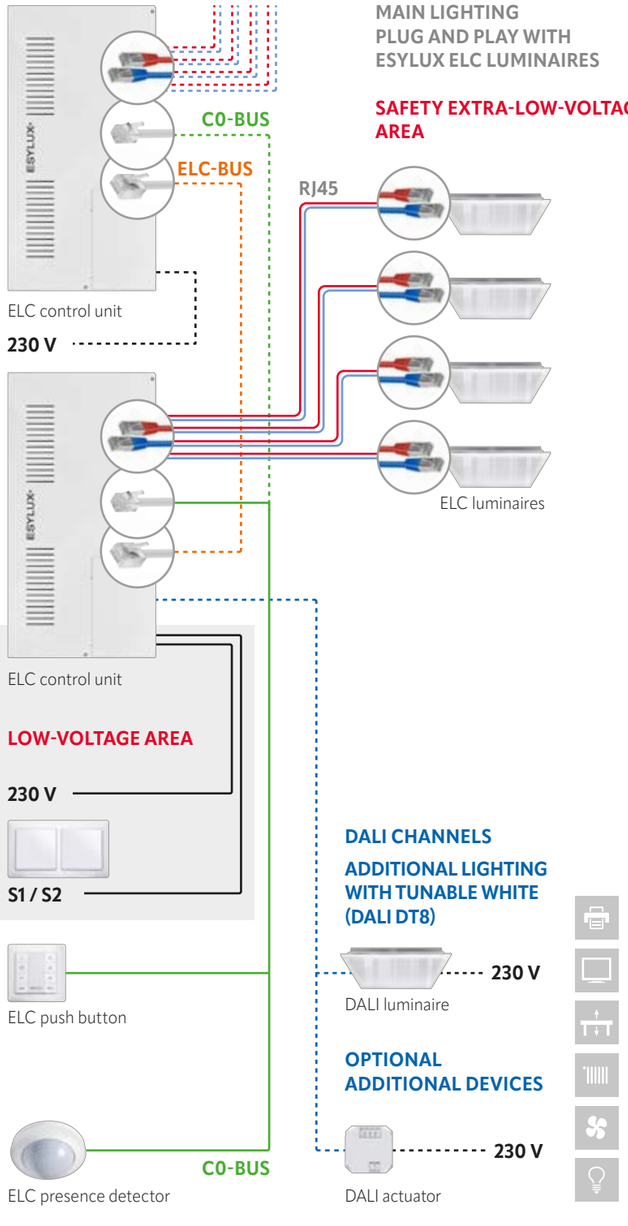

The most energy-efficient form of light control: presence- and daylight-dependent constant light control using a presence detector.

# CONNECT. START. DONE!

SYMBILOGIC (LIGHT COLOUR: TUNABLE WHITE)

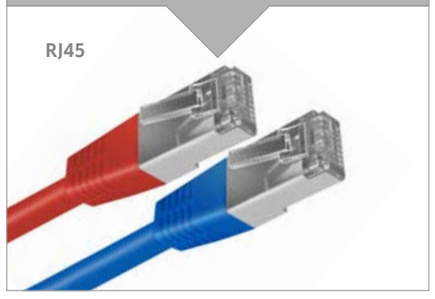
## 2700 – 6500 K

SYMBI LOGIC™ FOR ENERGY-EFFICIENT HUMAN CENTRIC LIGHTING




**ADVANTAGES OF ELC AUTOMATION SOLUTIONS FOR INTELLIGENT LIGHTING**

1. PLUG AND PLAY INSTALLATION
2. PLUG AND PLAY GROUPING
3. IMMEDIATE COMMISSIONING USING FACTORY SETTINGS WITH NO NEED FOR PROGRAMMING




- ELC main lighting
- Optional expansion with further ELC luminaires
- C0 bus: links the ELC devices within a group (control, sensor, push button)
- Optional expansion with ELC devices in a group
- Optional DALI supplementary lighting with Tunable White (DT8) and optional additional devices via ESYLUX switching actuator
- ELC bus: enables multiple groups to be connected using plug and play (SymbiLogic up to 10, otherwise up to 20 ELC control units)
- 230 V mains connection and conventional 230 V push button for manual override
- 230 V mains connection

**ADVANTAGES OF ELC AUTOMATION SOLUTIONS FOR INTELLIGENT LIGHTING**

1. PLUG AND PLAY INSTALLATION
2. PLUG AND PLAY GROUPING
3. IMMEDIATE COMMISSIONING USING FACTORY SETTINGS WITH NO NEED FOR PROGRAMMING
4. ADDITIONAL LIGHTING: SIMPLE INTEGRATION OF DALI LUMINAIRES (INCLUDING FROM THIRD-PARTY PROVIDERS)

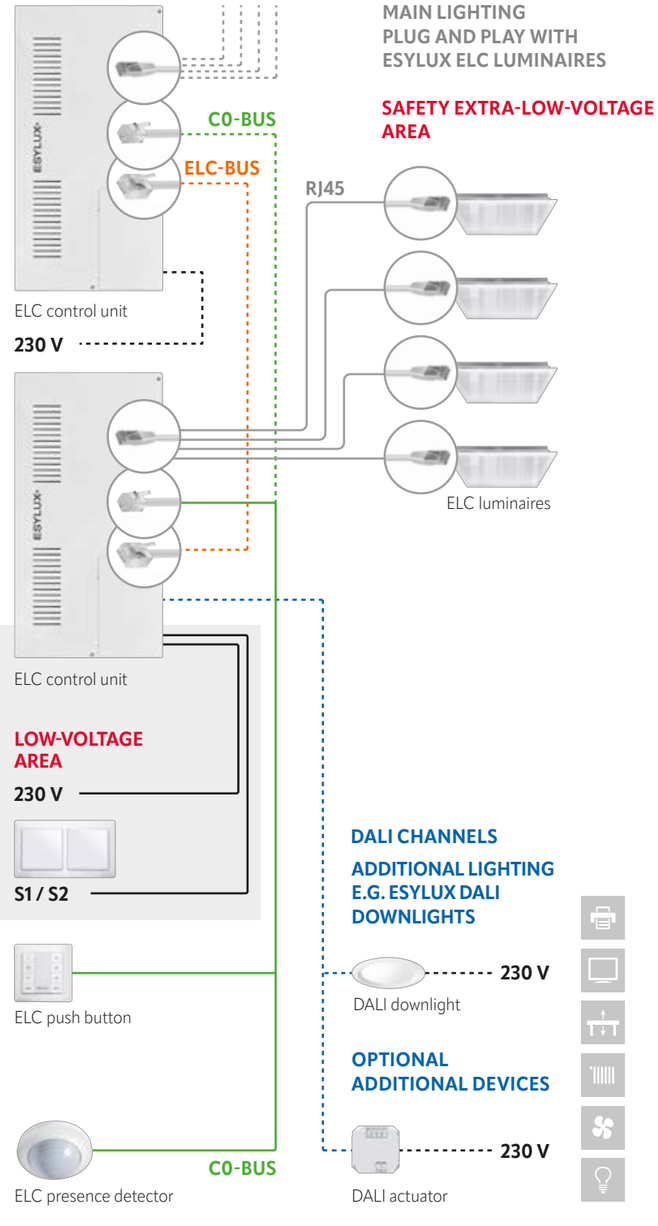





- ELC main lighting
- Optional expansion with further ELC luminaires
- C0 bus: links the ELC devices within a group (control, sensor, push button)
- Optional expansion with ELC devices in a group
- DALI additional lighting and DALI switch actuators e.g. ESYLUX downlights or DALI luminaires from third-party providers
- ELC bus: enables multiple groups to be connected using plug and play (SymbiLogic up to 10, otherwise up to 20 ELC control units)
- 230 V mains connection and conventional 230 V push button for manual override
- 230 V mains connection

FIXED LIGHT COLOUR

## 3000 K / 4000 K



# EVERY CUSTOMER BENEFITS

## FROM THE INSTALLER TO THE END USER

Whether it is energy-efficient Human Centric Lighting with SymbiLogic technology or presence- and daylight-dependent constant light control: In offices, educational institutions and health facilities, all users enjoy the high light quality of the lighting systems and their automation comfort. But it's not just the end users who benefit – solutions are also developed with investors, planners and installers in mind. ESYLUX Light Control therefore additionally impresses due to its excellent value for money, maximum energy savings for economical building operation, and ease of installation.

## ADVANTAGES FOR

### INSTALLERS

- Simple installation using plug and play
- Can be commissioned immediately using factory settings with no need for programming
- ELC room solutions are simple to configure
- High-quality, reliable components
- Quick and easy to scale and adapt

### END USERS AND INVESTORS

- Energy-efficient Human Centric Lighting for improved quality of life
- Demand-driven control of ventilation for excellent room air quality
- Simple operation
- Easy to set individual scenes and time functions
- Simple and customisable manual override
- Modular, scalable and can be easily adjusted to fit modified requirements
- Lower overall costs than similar room solutions
- Increase in property value

### PLANNERS AND ARCHITECTS

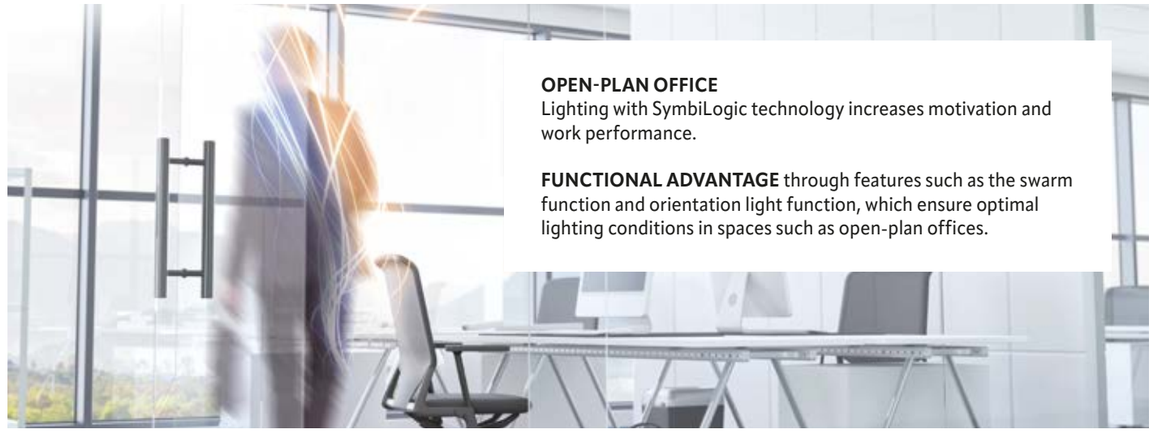
- Future-proof, instantly usable technology
- Suitable for every building type
- Simple retrofitting in existing buildings
- Simple implementation of planning requirements
- Components that are technically compatible with one another
- Low risk of errors and easy to operate

**Up to 70 %**
**Potential energy savings***

**through the use of demand-driven control combined with modern illuminants.**

* Source: Initiative EnergieEffizienz, Deutsche Energie-Agentur GmbH (dena)

**Up to 90 %**
**fewer 230 V connections using SELV**



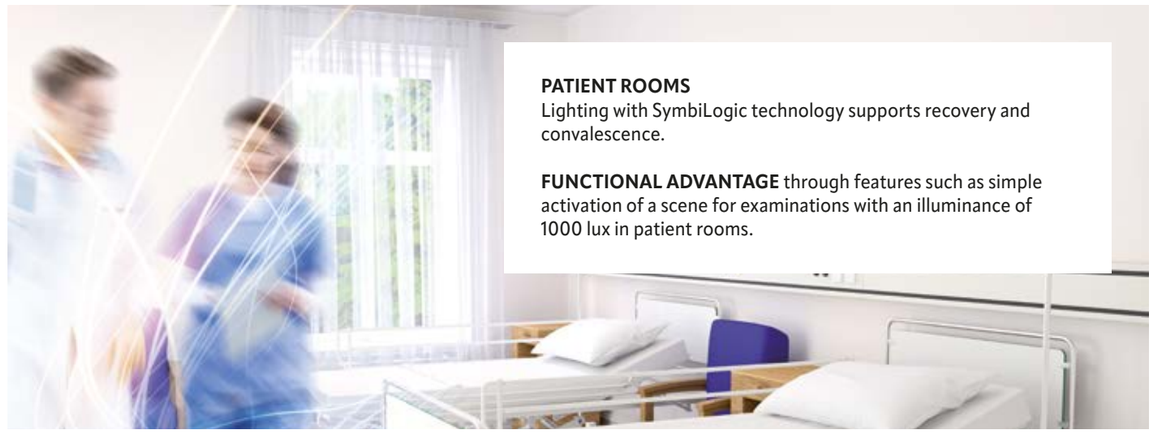
**OPEN-PLAN OFFICE**
Lighting with SymbiLogic technology increases motivation and work performance.

**FUNCTIONAL ADVANTAGE** through features such as the swarm function and orientation light function, which ensure optimal lighting conditions in spaces such as open-plan offices.



**CLASSROOM**
Lighting with SymbiLogic technology promotes concentration when learning.

**FUNCTIONAL ADVANTAGE** through features such as scenes with separate controls for different room zones to communicate learning content effectively.



**PATIENT ROOMS**
Lighting with SymbiLogic technology supports recovery and convalescence.

**FUNCTIONAL ADVANTAGE** through features such as simple activation of a scene for examinations with an illuminance of 1000 lux in patient rooms.

# ALWAYS READY WITH THE RIGHT TOOL

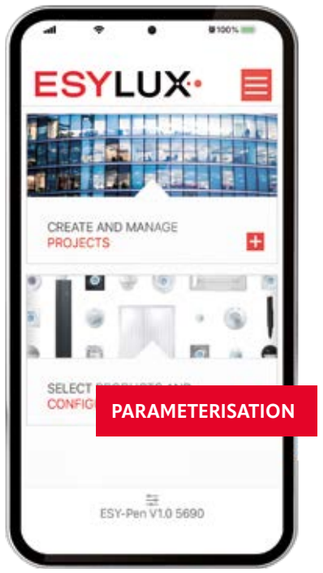
**EASY PARAMETRISATION, REMOTE CONTROL, LIGHT MEASUREMENT AND MOBILE PROJECT MANAGEMENT**

Whether you use presence detectors, outdoor lights with motion detectors or lighting systems with ESYLUX Light Control, the ESY-Pen and the ESY-App ensure you always have the right tools for all remotely controlled ESYLUX solutions.

ESY CONTROL

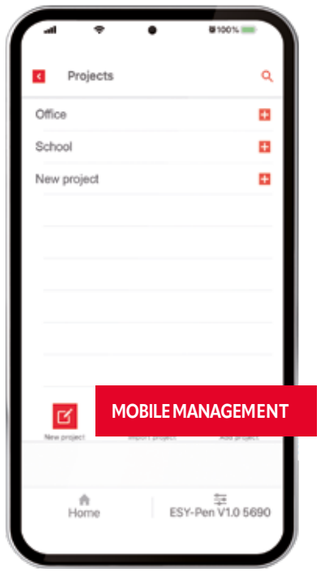
Bluetooth control for Android and iOS



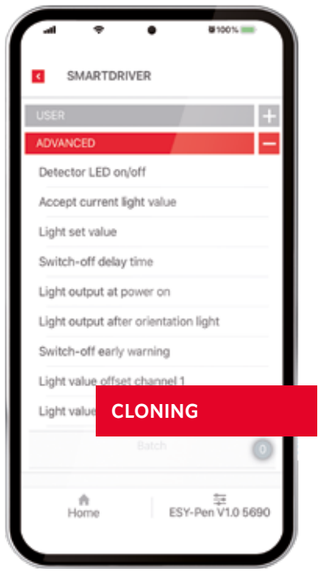

**PARAMETERISATION**

The ESY-Pen and the ESY-App make commissioning and parameterisation easy.




**MOBILE MANAGEMENT**

With the ESY-App, you have access to your project library at all times! And for optimum flexibility, you can create projects in your office and then easily transfer the configuration when at the construction site.




**CLONING**

Previously implemented configurations can be stored and transferred to products of the same type via the ESY-Pen using the cloning function.




**DOCUMENTATION**

The project documentation is integrated into a PDF report that can then be emailed and printed off as required.

**MOBILE PROJECT MANAGEMENT**

The ESY-Pen and the ESY-App allow users to save, access and transfer configured projects:

- Each project can be saved with a unique name and description in the ESY-App
- No project is too big for the ESY-App: Up to 64 floors can be created, each with up to 64 rooms and up to 64 devices per room
- Within the ESY-App, a few clicks take the user from the project to the room of their choice where they can quickly identify, select and configure ESYLUX products
- Configured projects can be stored in the ESY-App or forwarded on to other users as necessary. Previously stored configurations can be easily transferred to products of the same type via the ESY-Pen using the cloning function
- The project documentation is integrated into a project report that can then be sent as a PDF document and also printed off as required

INFORMATION





INFORMATION

# THE DIFFERENCE
# PRESENCE AND MOTION DETECTORS

Both device types have a sensor system for motion detection and a light sensor system for brightness measurement. Nevertheless, presence detectors and motion detectors are each suitable for different applications.

## MOTION DETECTORS

Motion detectors detect larger movements within their detection range, for example when a person is walking forward or gestures in a disorderly manner. As soon as motion detectors detect a movement, they measure the brightness once with their light sensor technology. If this is below the previously set brightness value, they activate the lighting. If they no longer detect any movement, they switch off the light again at the end of the follow-up time..

### APPLICATION AREAS

Motion detectors, with their simpler motion sensor technology and unique light measurement, are ideally suited for passageways, sanitary areas and side rooms with little daylight or short-term use, as well as for outdoor applications.



## PRESENCE DETECTORS

Presence detectors also detect larger movements, but within their presence range they also register fine motoric and even the smallest movements such as typing on a PC keyboard. Unlike motion detectors, presence detectors can therefore detect the permanent presence of people - for example at a desk in the office.

If movement is detected and brightness is insufficient, presence detectors activate the lighting. Unlike motion detectors, however, they do not measure light just once but repeat the measurement as long as they detect presence. If the required illuminance is already achieved by daylight or ambient light, presence detectors switch off the artificial light in an energy-saving manner even if there is a human presence. Alternatively, they deactivate the lighting at the end of the switch-off delay time.

Presence detectors with constant-light control provide even greater convenience and energy efficiency when people are present. Because based on their continuous light measurement, they can continuously adjust the illuminance of the artificial light to the natural lighting conditions by dimming.

### APPLICATION AREAS

Presence detectors are ideally suited for indoor areas where people are permanently present, especially in areas with daylight, due to their more precise motion detection and continuous light measurement. They are therefore preferred for use in offices, classrooms or recreation rooms, for example.









# DIFFUSERS AND COLOUR TEMPERATURE
# AN OVERVIEW

Diffusers have a significant influence on the optical perception and glare suppression of the lighting, and the colour temperature changes the emotional and biological effect of the light. ESYLUX offers a suitable selection.

## DIFFUSERS AND COVERS

Different combinations of finely structured surfaces and stronger or weaker opacity give ESYLUX lighting an equally attractive and characteristic appearance.

**Diffuser surface:**
DDP = micro-prismatic

**Diffuser opacity:**
TR = transparent
OP = opal
SO = semi-opal

## COLOUR TEMPERATURE

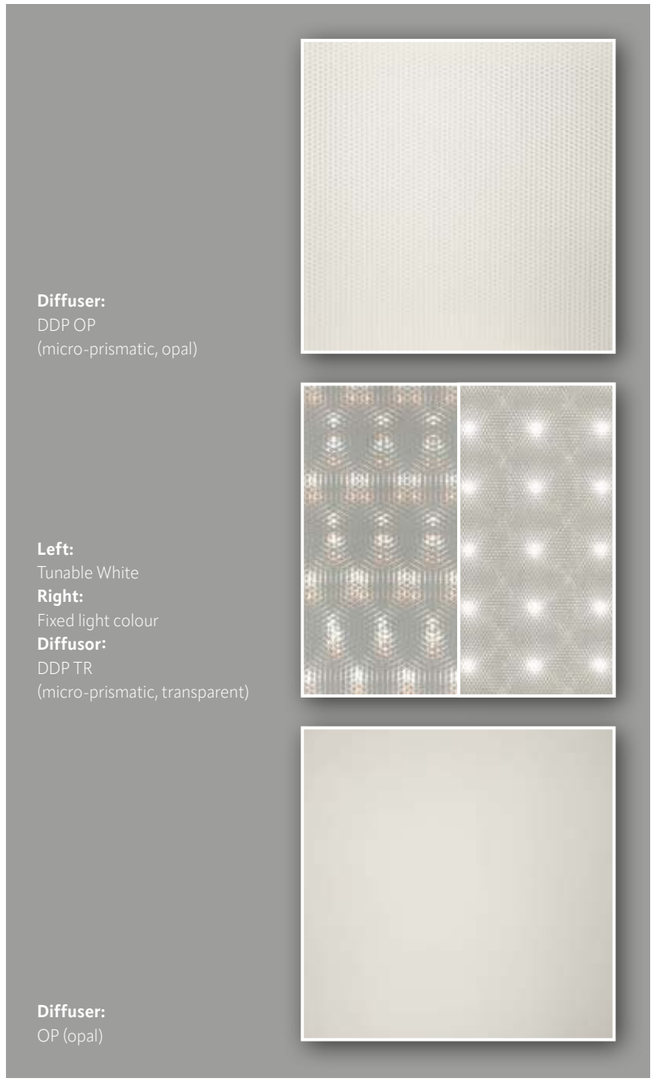
The colour temperature in Kelvin describes the light colour of a light source and ranges from below 3000 Kelvin (warm white) to over 5300 Kelvin (daylight white) with common light sources. ESYLUX lighting solutions with SymbiLogic technology and Tunable White offer variable control between the two ranges and energy-efficient Human Centric Lighting.

2700 – 6500 K = Tunable White

3000 K = warm white

4000 K = neutral white

5000 K = daylight white



# COVERS FOR WALL DETECTORS

## COMPATIBLE WITH BRAND SWITCHES

Whether a new building or a quick replacement during ongoing operation: For the modernisation of buildings with wall presence and motion detectors, suitable covers and often their compatibility with common brand switches are essential. ESYLUX therefore offers a wide range of accessories - allowing easy conversion to contactless energy efficiency!



**Example detector:**
PD-C 180i KNX

**Individual switch range**
Single or multiple frames
from the switch manufacturers

**Subframe**
as adapter for 50 x 50 mm standard cut-out in accordance with DIN 49075 (switch manufacturer accessory)

**Cover**
for wall detectors (different colours as accessories)

**PD-C 180i KNX**
in the individual switch range



| Product group/product name | Item no. | Product description | Dimensions (mm) | Core portfolio | New product |
|---|---|---|---|---|---|
| **Accessories** | | | | | |
| **Cover** | | | | | |
| COVER IP20 WH | EM10055102 | Cover for wall detectors from the STANDARD series, IP20, white, similar to RAL 9010 | X 87, Y 87, Z 29 | • | |
| COVER IP20 SWH | EM10055119 | Cover for wall detectors from the STANDARD series, IP20, white, similar to RAL 9016 | X 87, Y 87, Z 29 | • | |
| COVER IP20 CWH | EM10055126 | Cover for wall detectors from the STANDARD series, IP20, cream white, similar to RAL 1013 | X 87, Y 87, Z 29 | • | |
| COVER IP20 AN | EM10055133 | Cover for wall detectors from the STANDARD series, IP20, anthracite, similar to RAL 7021 | X 87, Y 87, Z 29 | • | |
| COVER IP20 SR | EM10055140 | Cover for wall detectors from the STANDARD series, IP20, silver | X 87, Y 87, Z 29 | • | |
| COVER ELK RS/PLUS IP20 WH | EM10055270 | Cover for wall detector fits with Berker S.1, IP20, polar white | X 56, Y 56, Z 27 | • | |
| COVER BER S1 IP20 PWH | EP10427107 | Cover for wall detector fits with Berker S.1, IP20, polar white | X 55, Y 55, Z 27 | • | |
| COVER BER S1 IP20 WH | EP10427114 | Cover for wall detector fits with Berker S.1, IP20, white | X 55, Y 55, Z 27 | | |
| COVER BER MOD2 IP20 PWH | EP10427121 | Cover for wall detector fits with Berker module 2, IP20, polar white | X 55, Y 55, Z 27 | | |
| COVER BER MOD2 IP20 WH | EP10427138 | Cover for wall detector fits with Berker module 2, IP20, white | X 55, Y 55, Z 27 | | |
| COVER BUJ REF IP20 WH | EP10427145 | Cover for wall detector fits with Busch-Jäger Reflex, IP20, white | X 55, Y 55, Z 27 | • | |
| COVER GIR S55 IP20 WH | EP10427169 | Cover for wall detector fits with Gira Standard 55, IP20, white | X 55, Y 55, Z 27 | • | |
| COVER GIR S55 IP20 CWH | EP10427176 | Cover for wall detector fits with Gira Standard 55, IP20, cream white | X 55, Y 55, Z 27 | | |
| COVER IP44 WH | EM10055157 | Cover for wall detectors from the STANDARD series, IP44, white | X 87, Y 87, Z 67 | • | |
| MOUNTING BOX IP44 SM WH | EM10055164 | Surface-mounted box for wall detectors from the STANDARD series, IP44, white | X 87, Y 87, Z 49 | • | |

| Product group/product name | Item no. | Detection angle | Detection range | Installation type | Number of light channels | Function | Constant lighting control | Push button input lighting | In-rush current | Adjustable switch-off delay time | Number of HVAC channels | Push button input HVAC | Slave input | Protection type | Dimensions (mm) | Circuit diagram | Core portfolio | New product |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Presence detectors** | | | | | | | | | | | | | | | | | | |
| **12 - 36 V UC** | | | | | | | | | | | | | | | | | | |
| PD-C 180i/16 UC (opal-matt) | EP10427305 | 180° | Ø 16 m | FM | 1 | Switching/ Send values | • | 1 | | • | | | | IP20 | X 70, Y 70, Z 55 | CU | • | |
| **KNX** | | | | | | | | | | | | | | | | | | |
| PD-C 180i KNX ECO (white, similar to RAL 9010) | EP10426452 | 180° | Ø 16 m | FM | 2 | Switching | | 1 | | • | | | • | IP20 | X 70, Y 70, Z 55 | O | • | |
| PD-C 180i KNX (white, similar to RAL 9010) | EP10426445 | 180° | Ø 16 m | FM | 2 | Switching/ Regulate | • | 1 | | • | 1 | | • | IP20 | X 70, Y 70, Z 55 | O | • | |
| PD-C 180i/16 Touch KNX (white, similar to RAL 9010) | EP10460104 | 180° | Ø 16 m | FM | 2 | Switching/ Regulate | • | 1 | | • | 1 | • | • | IP40 | X 70, Y 70, Z 55 | O | • | |
| **ON/OFF** | | | | | | | | | | | | | | | | | | |
| MD/PD 180 Slave (opal-matt) | EM10410024 | 180° | Ø 16 m | FM | | Send values | | | | | | | | IP20 | X 70, Y 70, Z 29 | AS | • | |
| PD 180i/R (opal-matt) | EM10410017 | 180° | Ø 16 m | FM | 1 | Switching | | 1 | 800 A / 200 µs | • | 1 | | • | IP20 | X 70, Y 70, Z 29 | AR | • | |
| **Motion detectors** | | | | | | | | | | | | | | | | | | |
| **ON/OFF** | | | | | | | | | | | | | | | | | | |
| MD 180i/R (opal-matt) | EM10055010 | 180° | Ø 16 m | FM | 1 | Switching | | 1 | 800 A / 200 µs | • | | | • | IP20 | X 70, Y 70, Z 29 | AN | • | |
| MD 180i/16 BASIC (opal-matt) | EB10430459 | 180° | Ø 16 m | FM | 1 | Switching | | 1 | 800 A / 200 µs | • | | | | IP40 | X 70, Y 70, Z 55 | X | • | |

# PRODUCT NAMIN G LIGHTING

## SIMPLY DECODED

Our naming scheme in the lighting category complies with the international industry standard and draws its components from the most important features and performance data. Following the series name and the device category, this includes, for example, abbreviated designations for luminous flux, CRI value or diffuser characteristics. So you can see instantly which lighting component or solution is suitable for the requirements of your project.

### Example lighting systems: QUADRO-SET

| QUADRO-SET | CELINE-2 | HCL | 625 | DDP | OP | 8TW | IR | ELC |
|---|---|---|---|---|---|---|---|---|
| 1. | 2. | 3. | 4. | 5. | 6. | 7. | 8. | 9. |



| Differentiator | | Description |
|---|---|---|
| **1. SERIES** | | |
| QUADRO-SET | = | For offices |
| **2. TYPE OF LUMINAIRE** | | |
| CELINE-2 | = | ESYLUX CELINE-2 series |
| **3. FUNCTION** | | |
| HCL | = | Human Centric Lighting |
| **4. DIMENSIONS OF THE LUMINAIRE** | | |
| 600 | = | 600 x 600 mm |
| 625 | = | 625 x 625 mm |
| **5. DIFFUSER SURFACE** | | |
| DDP | = | Micro-prismatic |

| Differentiator | | Description |
|---|---|---|
| **6. DIFFUSER OPACITY** | | |
| OP | = | Opal |
| TR | = | Transparent |
| **7. COLOUR RENDERING INDEX AND TEMPERATURE** | | |
| 840 | = | CRI >80; 4000 K |
| 8TW | = | CRI >80; 2700 - 6500 K |
| **8. COMMUNICATION** | | |
| IR | = | Remote control via infrared |
| **9. CONTROL TECHNOLOGY** | | |
| ELC | = | ESYLUX Light Control |

### Example recessed lights: CELINE -2 series

| CELINE-2 | PNL | 625 | DDP | OP | 3600 | 830 | IP20 | ELC | DALI | DT8 | SET |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. | 2. | 3. | 4. | 5. | 6. | 7. | 8. | 9. | 10. | | 11. |



| Differentiator | | Description |
|---|---|---|
| **1. SERIES** | | |
| **2. DEVICE CATEGORY** | | |
| PNL | = | Recessed light |
| **3. DIMENSIONS** | | |
| 600 | = | 600 x 600 mm |
| 625 | = | 625 x 625 mm |
| **4. DIFFUSER SURFACE** | | |
| DDP | = | Micro-prismatic |
| LDP | = | Linear-prismatic |
| **5. DIFFUSER OPACITY** | | |
| OP | = | Opal |
| TR | = | Transparent |
| **6. LUMINOUS FLUX** | | |

| Differentiator | | Description |
|---|---|---|
| **7. COLOUR RENDERING INDEX AND TEMPERATURE** | | |
| 830 | = | CRI >80; 3000 K |
| 840 | = | CRI >80; 4000 K |
| 8TW | = | CRI >80; 2700 - 6500 K |
| **8. IP PROTECTION CLASS** | | |
| **9. CONTROL TECHNOLOGY** | | |
| ELC | = | ESYLUX Light Control |
| **10. INTERFACE** | | |
| DALI, DALI-2, DALI-2 DT8 | = | Digital Addressable Lighting Interface |
| **11. SET** | = | Luminaire including driver set |





INFORMATION

## Example wall and ceiling lights: SVENJA series

| SVENJA | CL | 450 | DDP | OP | 3400 | 8TW | IP20 | DALI-2 | DT8 |
|---|---|---|---|---|---|---|---|---|---|
| 1. | 2. | 3. | 4. | 5. | 6. | 7. | 8. | 9. | |



| Differentiator | | Description |
|---|---|---|
| **1. SERIES** | | |
| **2. DEVICE CATEGORY** | | |
| WCL | = | Wall and ceiling light |
| CL | = | Ceiling light |
| **3. DIMENSIONS** | = | In millimetres (mm) |
| **4. DIFFUSER SURFACE** | | |
| DDP | = | Micro-prismatic |
| **5. DIFFUSER OPACITY** | | |
| OP | = | Opal |
| **6. LUMINOUS FLUX** | | |

| Differentiator | | Description |
|---|---|---|
| **7. COLOUR RENDERING INDEX AND TEMPERATURE** | | |
| 830 | = | CRI >80; 3000 K |
| 840 | = | CRI >80; 4000 K |
| 8TW | = | CRI >80; 2700 - 6500 K |
| **8. IP PROTECTION CLASS** | | |
| **9. INTERFACE** | | |
| DALI, DALI-2, DALI-2 DT8 | = | Digital Addressable Lighting Interface |

## Example downlights: ELSA-2 series

| ELSA-2 | DL | 225 | OP | 110° | 1800 | 840 | PD | IR | PS | DALI | WH |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. | 2. | 3. | 4. | 5. | 6. | 7. | 8. | 9. | 10. | 11. | 12. |



| Differentiator | | Description |
|---|---|---|
| **1. SERIES** | | |
| **2. DEVICE CATEGORY** | | |
| DL | = | Downlight |
| **3. DIMENSIONS** | = | In millimetres (mm) |
| **4. DIFFUSER SURFACE** | | |
| OP | = | Opal |
| **5. BEAM ANGLE** | | |
| **6. LUMINOUS FLUX** | | |
| **7. COLOUR RENDERING INDEX AND TEMPERATURE** | | |
| 830 | = | CRI >80; 3000 K |
| 840 | = | CRI >80; 4000 K |

| Differentiator | | Description |
|---|---|---|
| **8. AUTOMATION** | | |
| MD | = | Motion detector included |
| PD | = | Presence detector included |
| **9. COMMUNICATION** | | |
| IR | = | Remote control via infrared |
| **10. POWER SUPPLY** | | |
| PS | = | Power supply included |
| **11. INTERFACE** | | |
| DALI | = | Digital Addressable Lighting Interface |
| **12. COLOUR** | | |
| WH | = | White |



## Example moisture-proof lights: OLIVIA-2 series

| OLIVIA-2 | MPL | 1500 | OP | 6800 | 840 | IP66 | 3h | 5x2.5 | MD | DALI-2 |
|---|---|---|---|---|---|---|---|---|---|---|
| 1. | 2. | 3. | 4. | 5. | 6. | 7. | 8. | 9. | 10. | 11. |



| Differentiator | | Description |
|---|---|---|
| **1. SERIES** | | |
| **2. DEVICE CATEGORY** | | |
| MPL | = | Moisture-proof light |
| **3. DIMENSIONS** | = | In millimetres (mm) |
| **4. DIFFUSER OPACITY** | | |
| OP | = | Opal |
| **5. LUMINOUS FLUX** | | |
| **6. COLOUR RENDERING INDEX AND TEMPERATURE** | | |
| 840 | = | CRI >80; 4000 K |

| Differentiator | | Description |
|---|---|---|
| **7. IP PROTECTION CLASS** | | |
| **8. BURN TIME** | = | In hours (h) |
| **9. THROUGH-WIRING** | = | Number of connections/conductor cross-section |
| **10. AUTOMATION** | | |
| MD | = | Motion detector included |
| **11. INTERFACE** | | |
| DALI-2 | = | Digital Addressable Lighting Interface |

## Example emergency lights: SLC/SLD series

| SLC/SLD | EL | LED | 3h | 25m | IR | SC/C | WBM |
|---|---|---|---|---|---|---|---|
| 1. | 2. | 3. | 5. | 7. | 8. | 9. | 10. |



| Differentiator | | Description |
|---|---|---|
| **1. SERIES** | | |
| **2. DEVICE CATEGORY** | | |
| EL | = | Emergency lights |
| **3. LIGHT SOURCE** | | |
| FLP | = | Fluorescent lamp |
| LED | = | LED |
| **4. HOUSING** | | |
| DISPLAY | = | Display disc |
| FLAT COVER | = | Flat cover |
| HIGH COVER | = | High cover |
| **5. BURN TIME** | = | In hours (h) |
| **6. POWER SUPPLY** | | |
| CPS | = | Central power supply |
| **7. VIEWING DISTANCE** | = | In metres (m) |

| Differentiator | | Description |
|---|---|---|
| **8. COMMUNICATION** | | |
| IR | = | Remote control |
| **9. FUNCTION** | | |
| SC | = | Self control |
| SC/C | = | Self control / fail-safe contact |
| **10. TYPE OF INSTALLATION** | | |
| RM | = | Recessed ceiling mounting |
| SM | = | Surface ceiling mounting |
| WBM | = | Wall bracket mounting |
| WM | = | Wall mounting |
| PM | = | Pendulum mounting |
| **11. APPLICATION AREA** | | |
| CORRIDOR | = | Long hallways |
| OFFICE | = | Large rooms |

## Example wall and ceiling lights: OL/AOL series

| AOL | WL | 200 | OP | 1600 | 830 | MD | WH |
|---|---|---|---|---|---|---|---|
| 1. | 2. | 3. | 4. | 5. | 6. | 7. | 8. |



| Differentiator | Description |
|---|---|
| **1. SERIES** | |
| **2. DEVICE CATEGORY** | |
| | |
| **3. DIMENSIONS** | |
| **4. DIFFUSER OPACITY** | |
| | |
| | |
| **5. LUMINOUS FLUX** | |

| Differentiator | Description |
|---|---|
| **6. COLOUR RENDERING INDEX AND TEMPERATURE** | |
| | |
| | |
| **7. AUTOMATION** | |
| | |
| **8. COLOUR** | |
| | |
| | |

## Example bollard lights: ALVA BL series

| ALVA | BL | 700/100 | TR | 360° | 600 | 840 | MD | IR | DALI | AN |
|---|---|---|---|---|---|---|---|---|---|---|
| 1. | 2. | 3. | 4. | 5. | 6. | 7. | 8. | 9. | 10. | 11. |



| Differentiator | | Description |
|---|---|---|
| **1. SERIES** | | |
| **2. DEVICE CATEGORY** | | |
| BL | = | Bollard light |
| **3. DIMENSIONS** | | |
| 540 / 170 | = | 540 mm x Ø 170 mm |
| 940 / 170 | = | 940 mm x Ø 170 mm |
| 700 / 100 | = | 700 mm x Ø 100 mm |
| **4. DIFFUSER SURFACE** | | |
| OP | = | Opal |
| TR | = | Transparent |
| **5. BEAM ANGLE** | | |
| **6. LUMINOUS FLUX** | | |

| Differentiator | | Description |
|---|---|---|
| **7. COLOUR RENDERING INDEX AND TEMPERATURE** | | |
| 830 | = | CRI >80; 3000 K |
| 840 | = | CRI >80; 4000 K |
| **8. AUTOMATION** | | |
| MD | = | Motion detector included |
| **9. COMMUNICATION** | | |
| IR | = | Remote control via infrared |
| **10. INTERFACE** | | |
| DALI | = | Digital Addressable Lighting Interface |
| **11. COLOUR** | | |
| AN | = | Anthracite / Graphite Grey |
| WH | = | White |

INFORMATION



## Example floodlights: SUN OFL/AFL series

| SUN | AFL | TR | 5600 | 850 | MD | BK |
|---|---|---|---|---|---|---|
| 1. | 2. | 3. | 4. | 5. | 6. | 7. |

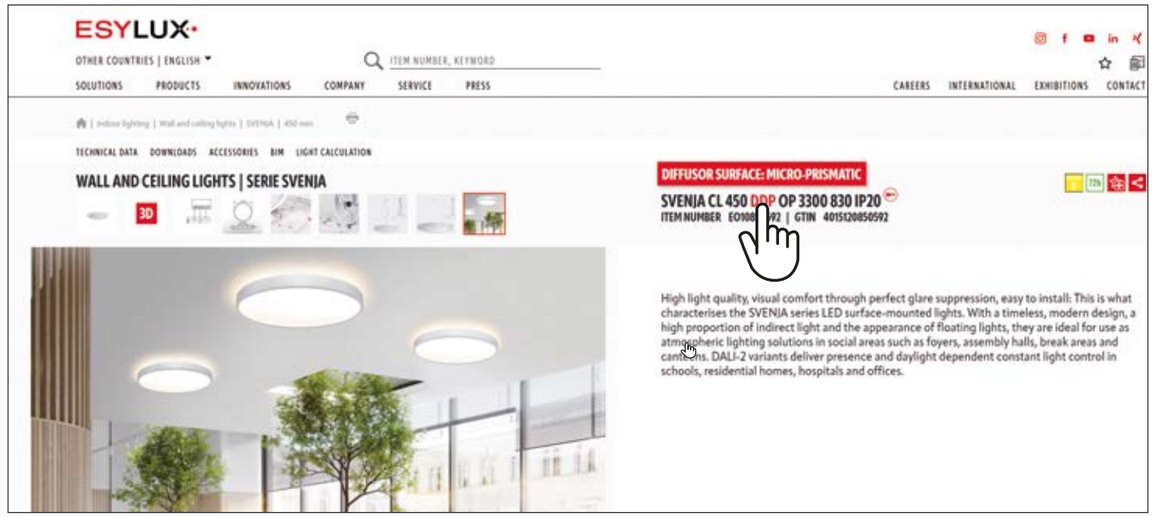


| Differentiator | | Description |
|---|---|---|
| **1. SERIES** | | |
| **2. DEVICE CATEGORY** | | |
| OFL | = | Outdoor Floodlight |
| AFL | = | Automatic floodlight |
| **3. DIFFUSER OPACITY** | | |
| TR | = | Transparent |
| **4. LUMINOUS FLUX** | | |
| **5. COLOUR RENDERING INDEX AND TEMPERATURE** | | |
| 830 | = | CRI >80; 3000 K |
| 840 | = | CRI >80; 4000 K |
| 850 | = | CRI >80; 5000 K |

| Differentiator | | Description |
|---|---|---|
| **6. AUTOMATION** | | |
| MD | = | Motion detector included |
| **7. COLOUR** | | |
| BK | = | Black |
| WH | = | White |

If you are in the product section of the ESYLUX website and do not know one or more components of a product name, simply move the mouse over the respective name sections. A tooltip then automatically displays a short description.

# A TOOLTIP HELPS ON THE WEB




Whether luminous flux, light colour or control technology: the tooltip has the right answer for everything ▲

INFORMATION

# PRODUCT NAMING DETECTORS

## SIMPLY DECODED

The product names of our presence and motion detectors are based on a structure that has been familiar to our customers for many years and allows them to easily navigate through our series - for example FLAT, COMPACT or ATMO.

We harmonise series that will be launched on the market from 2020 onwards according to the basic principles of the naming scheme in the lighting category. In the medium to long term, this gives you an even easier overview of our entire portfolio.
DEFENSOR shows an example of the introduction of a new series.

### Example detectors: COMPACT series

| PD | - | C | 360 | i | / | 24 | DUODIMplus-FM |
|---|---|---|---|---|---|---|---|
| | | 1. | 2. | 3. | 4. | 5. | 6. |



| Differentiator | | Description |
|---|---|---|
| **1. DEVICE CATEGORY** | | |
| **2. SERIES** | | |
| ATMO | = | Multisensor |
| C | = | Compact |
| mini | = | Small recessed ceiling mounted version |
| CE | = | Compact Express (Recessed ceiling version) |
| FLAT | = | Flat construction |
| BASIC | = | Entry-level products |
| STANDARD | = | State-of-the-art technology |
| RC, MD, MD-W | = | High quality outdoor detectors |
| **3. ANGLE OF DETECTION** | = | In degrees (°) |
| **4. REMOTE CONTROL** | = | i = infrared |
| **5. Ø DETECTION RANGE** | = | In metres (m) |
| **6. FUNCTION** | | |
| plus | = | HVAC-contact |
| touch | = | Operation possible by touch |
| MIC | = | Integrated acoustic sensor |
| DRY | = | Break contact/floating |
| DUO | = | 2-channel light measurement |

| Differentiator | | Description |
|---|---|---|
| DIM | = | Continuous lighting control |
| R | = | Relay output |
| ELC | = | ESYLUX Light Control |
| HCL | = | Human Centric Lighting |
| BMS | = | Building Management Systems |
| PS | = | Power Supply included |
| DALI / DALI-2 | = | Digital Addressable Lighting Interface |
| KNX | = | Fieldbus for building automation |
| UP | = | Software upgrade |
| ECO | = | Reduced functionality |
| UC | = | 12 – 36 V AC/DC |
| WH / Warehouse | = | Suitable for high-bay storage |
| Corridor | = | Suitable for corridors / hallways |
| SM | = | Surface-mounted ersion |
| SMB | = | Surface-mounted version including box |
| FM | = | Flush-mounted version |
| GST | = | Pre-assembled WIELAND/GST 18-line |
| WAGO | = | Pre-assembled WAGO WINSTA® line |
| Slave | = | Auxiliary post |

### Example outdoor motion detectors: DEFENSOR series

| DEFENSOR | MD | 280° | 40 | IR | 1C | IP55 | WH |
|---|---|---|---|---|---|---|---|
| 1. | 2. | 3. | 4. | 5. | 6. | 7. | 8. |



| Differentiator | | Description |
|---|---|---|
| **1. SERIES** | | |
| **2. DEVICE CATEGORY** | | |
| MD | = | Motion detector |
| **3. ANGLE OF DETECTION** | = | In degrees (°) |
| **4. DETECTION RANGE** | | |
| Angle of detection up to 180° | = | Radius in metres (m) |
| Angle of detection from 180° | = | Diameter in metres (m) |
| **5. COMMUNICATION** | | |
| IR | = | Remote control (infrared) |

| Differentiator | | Description |
|---|---|---|
| **6. NUMBER OF LIGHT CHANNELS** | | |
| 1C | = | 1 light channel |
| 2C | = | 2 light channels |
| **7. IP PROTECTION CLASS** | | |
| **8. COLOUR** | | |
| AN | = | Anthracite / Graphite Grey |
| WH | = | White |





INFORMATION

# SIMPLY BEING A GOOD PARTNER: FROM PLANNING THROUGH TO THE LAST DETAIL

**LET US TACKLE NEW TASKS TOGETHER**

For ESYLUX, excellent service above all means being close to the customer. Our experts can provide advice and support in all phases of your project – from planning energy-efficient solutions and selecting products through to installation and reliable support via our technical hotline. What is more, you benefit from our helpful tools, training opportunities for planners, traders and technicians in the ESYLUX Academy, and an extended manufacturer's warranty.

Why not put ESYLUX to the test: We accept any challenge and look forward to implementing exciting projects with you. And we will prove that everybody benefits from demand-driven automation of optimum light and good-quality air: a gain for people, for the environment, and for your balance sheet. Welcome to ESYLUX.

**THIS PRODUCT OVERVIEW IS INTENDED AS A WORKING BASIS FOR BUSINESSES.**

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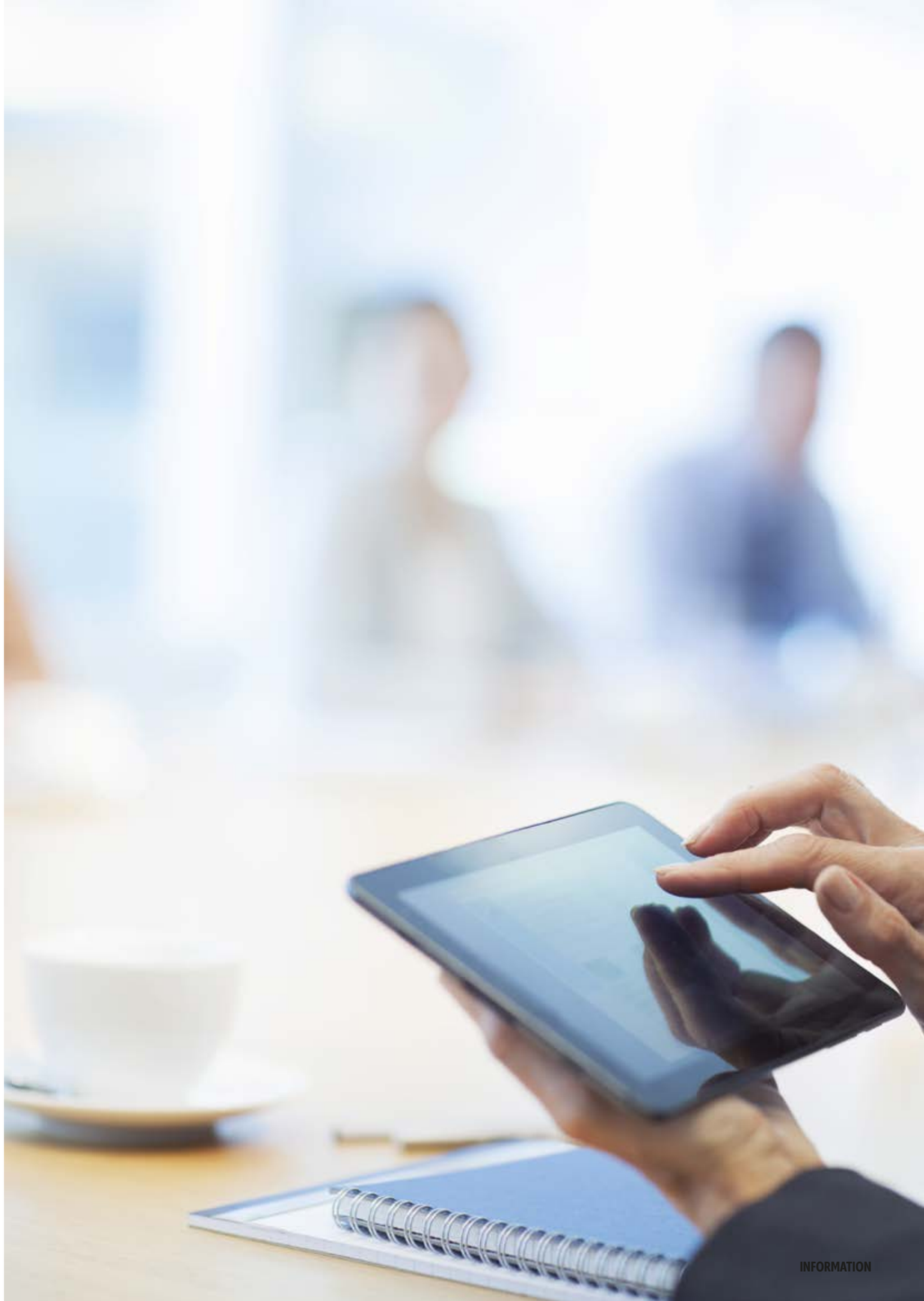
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