

**B.E.G.****LUXOMAT®**

## PD4-M- TRIO-2DALI/DSI-1C-SM Set 92751-92467-92386

Occupancy detector for two separate lighting groups, for daylight-dependent lighting control

One potential-free switching channel for control of equipment (HVAC) or lighting

Two independent, movable light sensors

### Order data

#### Designation

PD4-M-TRIO-2DALI/DSI-1C-SM

Wire basket BSK (Ø 164 x 143 mm)

Socket IP54 PD4-TRIO-SM

#### Colour

white

white

white

#### Art.No

92751

92467

92386

### Areas of application

- open-plan offices
- conference rooms
- classrooms/seminar rooms

## Technical data

|                                        |                                                                                          |
|----------------------------------------|------------------------------------------------------------------------------------------|
| Voltage:                               | 110 – 240 V AC<br>50 / 60 Hz                                                             |
| Dimensions:                            | <b>Ø 164 x 143 mm (92467)</b>                                                            |
| Power consumption:                     | approx. 2 W                                                                              |
| Detection area:                        | horizontal 360°<br>(Ceiling mounting)<br>max. Ø 24 m across<br>max. Ø 8 m towards seated |
| Range:                                 | max. Ø 6.4 m seated                                                                      |
| Monitored area (tangential movement):  | 450 m² / 2.5 m mounting height                                                           |
| Mounting height min./max./recommended: | 2 m / 10 m / 2.5 m                                                                       |
| Degree / class of protection:          | <b>IP54 (92386)</b>                                                                      |
| Impact strength:                       | <b>IK09 (92467)</b>                                                                      |
| Ambient temperature:                   | -25 °C to +50 °C                                                                         |
| Housing:                               | <b>polycarbonate, UV-resistant + coated steel basket (92467)</b>                         |
| Material color:                        | white mat, similar to RAL9010                                                            |

### Channel 1 and Channel 2 (lighting control)

|                    |                                      |
|--------------------|--------------------------------------|
| DALI output:       | up to 25 DALI / DSI-EB per channel   |
| Orientation light: | 10 – 30 % / OFF / 1 min – 60 min / ∞ |

### Channel 3 (HVAC control or lighting control, potential-free (dry))

|                  |                                                                                                                                        |
|------------------|----------------------------------------------------------------------------------------------------------------------------------------|
| Switching power: | 3000 W, $\cos \varphi = 1$<br>1500 VA, $\cos \varphi = 0.5$<br>800 W LED<br>max. inrush current $I_p$ (20ms) = 165 A, (200 µs) = 800 A |
| Type of contact: | 1x µ-contact, dry<br>NO contact with tungsten pre-make contact                                                                         |

### Channel 1 to channel 3

|                       |                       |
|-----------------------|-----------------------|
| Follow-up time:       | 1 min – 60 min        |
| Brightness set value: | 10 – 2000 Lux         |
| Light measuring:      | Mixed light measuring |

## Product information

Set : PD4-M-TRIO-2DALI/DSI-1C-SM + Wire basket BSK (Ø 164 x 143 mm) white + Socket IP54 PD4-TRIO-SM white

Occupancy detector for two separate lighting groups, for daylight-dependent lighting control

One potential-free switching channel for control of equipment (HVAC) or lighting

Two independent, movable light sensors

One common detection area

2 DALI/DSI interfaces for control of digital dimmable electronic ballasts as a group

Switching between DALI and DSI possible with remote control

Orientation light function

Relay with tungsten pre-make contact, optimised for LED loads

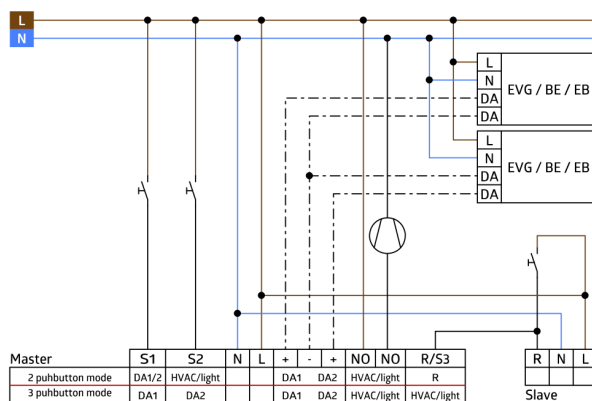
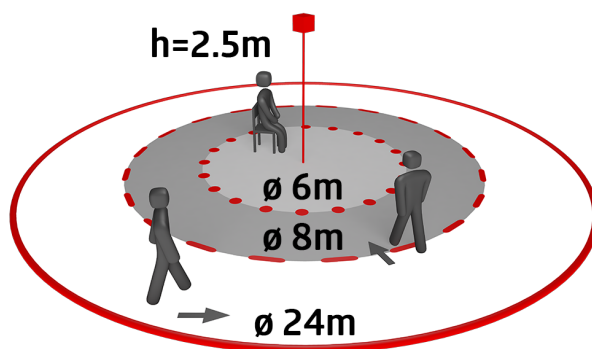
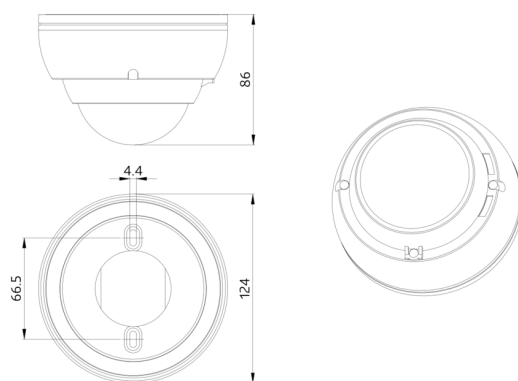
Version as master device

Detection area can be extended by using slave devices

Manual switching and dimming via push button possible

Semi-automatic, full-automatic or twilight switch mode

Additional functions can be set up using the optional remote control.



## Set items

To receive the bundle according to the technical specification, please order the items listed.



**PD4-M-TRIO-2DALI/DSI-1C-SM**  
Art.No: 92751

Voltage: 110 – 240 V AC 50 / 60 Hz  
Dimensions: Ø 124 x 85 mm  
Power consumption: approx. 2 W



**Wire basket BSK (Ø 164 x 143 mm)**  
Art.No: 92467

Dimensions: Ø 164 x 143 mm  
Impact strength: IK09  
Housing: coated steel basket



**Socket IP54 PD4-TRIO-SM**  
Art.No: 92386

Degree / class of protection: IP54  
Housing: polycarbonate, UV-resistant  
Material color: white