Find the right detector
Rapid programming by smartphone

The B.E.G. remote control app is the easiest way to programme all B.E.G. remote control-capable occupancy and motion detectors, photo electric switches, lights and emergency lighting. The entire B.E.G. remote control range is included in the app. The modern design makes it quick to find your way around.

To use the remote control app, you will need the B.E.G. IR adapter for smartphones and a compatible smartphone. An up-to-date list of compatible smartphones is available from the B.E.G. website. The IR adapter must be charged up before use. This takes place via the supplied USB cable. An LED shows the charge level. The adapter goes into the smartphone audio socket. For maximum range, the headphone volume should be set to maximum.

Unidirectional products from B.E.G. can be programmed via the remote control app. The desired values are selected in the “Commands” section, and sent to the product individually or as a group.

Bidirectional B.E.G. products can also be read, i.e. the values stored in the product can be displayed by the app. These values can be changed under “Parameters” and then sent individually, as a group, or all at once. Individual parameters can be sent to the product under “Commands”.

In this brochure, unidirectional products are shown with a ☑️, and bidirectional with a 📊.
Products as individual as your project.

Founded in 1975, family-owned B.E.G. Brück Electronic GmbH stands for quality and innovation. We are specialists in the market for occupancy and motion detectors. As our wide range of products means it can be hard to see the big picture, in this brochure we have grouped suitable products by application.

From the very beginning, our team’s focus has been on satisfying customers. For that reason, our people are always there for you:

- Our field operatives are all experts and undergo regular training. Therefore you will always have a capable contact on your side, even beside you on site.
- Our in-house staff are highly trained and will be happy to advise you on all aspects of your order. And for product questions, your contact will always be there to supply answers.
- You can obtain our products exclusively through electrical wholesalers. Thanks to our long-term collaboration, wholesaler staff can help you in most cases with questions on B.E.G. products.
- Our planning department is happy to help you in the planning of large projects. Send us your CAD drawings by email and we will send you a free proposal with product recommendations.

Any special requirements? Then do not hesitate to contact us.
Installation location

- Single offices
- Conference rooms
- Open-plan offices
- Classrooms
- Corridors
- Staircases
- Toilets
- Moisture-proof applications
- Entrance halls
- Multi-storey car parks
- Sports halls
- High-bay warehouses
- Exterior use

Technology

- Automatic switches
- 1-10 V
- DIM
- DALI
- Compact
- DALI System
- KNX solutions

Special feature

- HVAC
- HVAC unidirectional, remote control-capable
- bidirectional, remote control-capable

Detector type

- PD1N
- PD2
- PD4
- PD9
- PD11
- Indoor 180
- Indoor 140-L
- RC-plus
- LC-plus
- next
- 280

Typical power input

- 1-10 V
- DALI
- 1-10 V dim output with Master function
- DALI connection with Master function
- Analog output of temperature change
- KNX BUS connection

Detection area

Range (approx.) in m

Degree of protection

Housing

Switching power

Lux value

Remote control-capable

Time settings

Cable length

Mandatory mounting height

1-10 V dim output with Master function

DALI connection with Master function

Analog output of temperature change

KNX BUS connection
CONTENTS

Motion/occupancy detectors as switches .............................................. . 6 - 16

Occupancy detectors as dimmers 1-10 V ............................................. .17 - 21

Occupancy detectors as lighting regulators, DALI compact ....................22 - 29

Bus solutions ....................................................................................... 30 - 34

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Our technology

Motion/occupancy detectors as switches offer the convenience of automatically switching on or off the connected load depending on movement and/or brightness levels.

1-10V occupancy detectors also offer the convenience of dimming in addition to that of automatically switching on or off the connected load depending on movement and/or brightness levels.

DALI/DSI standalone detectors combine sensors, power supplies, switches and relays into one case, and regulate the connected load via the DALI bus according to movement and/or brightness levels.

DALI System – The networkable solution. Scalable system for effective lighting management with DALI power supply, DALI router, DALI relay and DALI switch interface.
Motion/Occupancy Detectors as Switches

LUXOMAT® detectors for wall and ceiling mounting

Motion detectors – occupancy detectors

Motion detectors are designed to reliably detect moving sources of heat in their detection area. According to the current ambient light level, they automatically switch the light on when movement is detected. If movement is no longer detected, the detector switches the light off again after the chosen follow-up time. Physically, motion and occupancy detectors work on the same principle, infrared technology, in that they detect moving heat sources. They differ only in the technical parameters used. Motion and occupancy detectors switch the light on depending on the ambient light level when movement is detected. Occupancy detectors on the other hand switch the light off despite movement being detected, if the detector decides that artificial light is no longer required.

B.E.G. LUXOMAT® detectors have been developed to meet a variety of requirements. The PD2 for standard applications, the PD9 for discreet installation, the PD4 for increased range, and many more. B.E.G. provides the best detector for every situation, and can provide you with support in choosing the right one.
## SMALL OFFICES / RECEPTION AREAS

<table>
<thead>
<tr>
<th>Area monitored: 79 m² across / 13 m² seated</th>
<th>Technical data</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Article</strong></td>
<td><strong>Product information:</strong></td>
</tr>
<tr>
<td>PD2-M-1C-FC - 92565</td>
<td>- Occupancy detector with one potential-free dry contact</td>
</tr>
<tr>
<td>PD2-M-1C-SM - 92550</td>
<td>- Master device</td>
</tr>
<tr>
<td>PD2-M-1C-FM - 92555</td>
<td>- One channel to switch the lighting</td>
</tr>
<tr>
<td></td>
<td>- Detection area can be extended with Slave devices</td>
</tr>
<tr>
<td></td>
<td>- Factory settings 10 min and 500 Lux</td>
</tr>
<tr>
<td><strong>Technical data</strong></td>
<td><strong>Product information:</strong></td>
</tr>
<tr>
<td>approx. 0.6 W</td>
<td>- Occupancy detector with one potential-free dry contact</td>
</tr>
<tr>
<td>360°</td>
<td>- Master device</td>
</tr>
<tr>
<td>Ø 10 m across / Ø 6 m towards / Ø 4 m seated</td>
<td>- One channel to switch the lighting</td>
</tr>
<tr>
<td>SM= IP20 (with socket IP54) FC= IP20 FM= IP20 Class II</td>
<td>- Detection area can be extended with Slave devices</td>
</tr>
<tr>
<td>IR-PD-Mini, IR-PD-1C, IR-PD-1C-E,</td>
<td>- Spring clips for quick and easy installation in suspended ceilings and light fittings</td>
</tr>
<tr>
<td>IR-Adapter for Smartphones</td>
<td>- Includes 45 mm cover ring and blinds</td>
</tr>
<tr>
<td><strong>Channel 1 (control the lighting potential free)</strong></td>
<td>- Factory settings 10 min and 500 Lux</td>
</tr>
<tr>
<td>2300 W, cos φ = 1</td>
<td><strong>Article</strong></td>
</tr>
<tr>
<td>1150 VA, cos φ = 0.5</td>
<td>PD9-M-1C-FC - 92900</td>
</tr>
<tr>
<td>dry contact/NO – with tungsten pre-make contact</td>
<td>2.50 m</td>
</tr>
<tr>
<td>15 sec - 30 min or pulse</td>
<td><strong>Technical data</strong></td>
</tr>
<tr>
<td>10 - 2000 Lux</td>
<td><strong>Product information:</strong></td>
</tr>
<tr>
<td><strong>Article</strong></td>
<td><strong>Technical information:</strong></td>
</tr>
<tr>
<td>PD11-M-1C-FLAT-FC - 92583</td>
<td>- Particularly flat occupancy detector as master version without additional power supply</td>
</tr>
<tr>
<td></td>
<td>- Visible portion when built into ceiling: H 0.85 mm</td>
</tr>
<tr>
<td></td>
<td>- Master device</td>
</tr>
<tr>
<td></td>
<td>- Detection area can be extended with Slave devices</td>
</tr>
<tr>
<td></td>
<td>- Spring clips for quick and easy installation in suspended ceilings</td>
</tr>
<tr>
<td></td>
<td>- Factory settings 10 min and 500 Lux</td>
</tr>
<tr>
<td><strong>Technical data</strong></td>
<td><strong>Product information:</strong></td>
</tr>
<tr>
<td>approx. 0.3 W</td>
<td>- Particularly flat occupancy detector as master version without additional power supply</td>
</tr>
<tr>
<td>360°</td>
<td>- Visible portion when built into ceiling: H 0.85 mm</td>
</tr>
<tr>
<td>Ø 9 m across / Ø 6 m towards / Ø 3 m seated</td>
<td>- Master device</td>
</tr>
<tr>
<td>IP20 / Class II</td>
<td>- Detection area can be extended with Slave devices</td>
</tr>
<tr>
<td>IR-PD-Mini, IR-PD-1C, IR-PD-1C-E,</td>
<td>- Spring clips for quick and easy installation in suspended ceilings</td>
</tr>
<tr>
<td>IR-Adapter for Smartphones</td>
<td>- Factory settings 10 min and 500 Lux</td>
</tr>
<tr>
<td><strong>Channel 1 (control the lighting)</strong></td>
<td><strong>Article</strong></td>
</tr>
<tr>
<td>2300 W, cos φ = 1</td>
<td>PD11-M-1C-FLAT-FC - 92583</td>
</tr>
<tr>
<td>1150 VA, cos φ = 0.5</td>
<td>2.50 m</td>
</tr>
<tr>
<td>dry contact/NO – with tungsten pre-make contact</td>
<td>5 min - 30 min or pulse</td>
</tr>
<tr>
<td>5 min - 30 min or pulse</td>
<td><strong>Technical data</strong></td>
</tr>
<tr>
<td>10 - 2000 Lux</td>
<td><strong>Product information:</strong></td>
</tr>
<tr>
<td><strong>Article</strong></td>
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</tr>
<tr>
<td>PD11-M-1C-FLAT-FC - 92583</td>
<td>- Particularly flat occupancy detector as master version without additional power supply</td>
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<td>- Visible portion when built into ceiling: H 0.85 mm</td>
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<td></td>
<td>- Master device</td>
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<td>- Spring clips for quick and easy installation in suspended ceilings</td>
</tr>
<tr>
<td></td>
<td>- Factory settings 10 min and 500 Lux</td>
</tr>
</tbody>
</table>
**SMALL OFFICES / RECEPTION AREAS**

Area monitored: 79 m² across / 13 m² seated

<table>
<thead>
<tr>
<th>Article</th>
<th>Technical data</th>
</tr>
</thead>
<tbody>
<tr>
<td>PD2-M-2C-FC - 92165</td>
<td>approx. 0.5 W</td>
</tr>
<tr>
<td>PD2-M-2C-SM - 92150</td>
<td>360°</td>
</tr>
<tr>
<td>PD2-M-2C-FM - 92155</td>
<td>Ø 10 m across / Ø 6 m towards / Ø 4 m seated</td>
</tr>
</tbody>
</table>

**Product information:**
- Occupancy detector with circular detection area
- One channel to switch the lighting
- One potential-free (dry) contact for HVAC
- Master device
- Detection area can be extended with Slave devices
- Factory settings 10 min and 300 Lux (15 min HVAC)

**Technical data:**
- SM= IP20 (with socket IP54) FC= IP20 FM= IP20 Class II
- IR-PD-2C, IR-PD-Mini, IR-Adapter for Smartphones
- **Channel 1 (control the lighting)**
  - 2300 W, cos $\varphi = 1$
  - 1150 VA, cos $\varphi = 0.5$
  - dry contact/NO – with tungsten pre-make contact
  - 15 sec - 30 min or pulse
  - 10 - 2000 Lux
- **Channel 2 (control HVAC potential free)**
  - Contact type NO, 3 A, 230 V, cos $\varphi = 1$
  - 5 min - 120 min, alarm pulse or pulse
  - Mixed light measuring
### LARGE OFFICES / CONFERENCE ROOMS / CLASSROOMS / OPEN PLAN OFFICES

#### Article
- Area monitored: 452 m² across / 32 m² seated

#### Technical data
- **PD4-M-1C-FC**: 92585
- **PD4-M-1C-SM**: 92580
- **PD4-M-1C-FM**: 92575

<table>
<thead>
<tr>
<th>Product information:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Occupation detector with extended detection area</td>
</tr>
<tr>
<td>One potential-free (dry) contact</td>
</tr>
<tr>
<td>Master device</td>
</tr>
<tr>
<td>Detection area can be extended with Slave devices</td>
</tr>
<tr>
<td>Factory settings 10 min and 500 Lux</td>
</tr>
</tbody>
</table>

#### Article
- Area monitored: 452 m² across / 32 m² seated

#### Technical data
- **PD4-M-2C-FC**: 92148
- **PD4-M-2C-SM**: 92140
- **PD4-M-2C-FM**: 92255

<table>
<thead>
<tr>
<th>Product information:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Occupation detector with extended detection area</td>
</tr>
<tr>
<td>One channel to switch the lighting</td>
</tr>
<tr>
<td>One potential-free (dry) contact for HVAC</td>
</tr>
<tr>
<td>Master device</td>
</tr>
<tr>
<td>Detection area can be extended with Slave devices</td>
</tr>
<tr>
<td>Alarm pulse: the detector triggers only when three movements are detected within 9 seconds</td>
</tr>
<tr>
<td>Factory settings 10 min and 500 Lux (15 min HVAC)</td>
</tr>
</tbody>
</table>

#### Article
- Area monitored: 452 m² across / 32 m² seated

#### Technical data
- **PD4-M-2C-DUO-FC**: 92251
- **PD4-M-2C-DUO-SM**: 92158
- **PD4-M-2C-DUO-FM**: 92252

<table>
<thead>
<tr>
<th>Product information:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Occupancy detector for two separate lighting groups</td>
</tr>
<tr>
<td>One common detection area</td>
</tr>
<tr>
<td>Two independent, movable light sensors</td>
</tr>
<tr>
<td>Master device</td>
</tr>
<tr>
<td>Detection area can be extended with Slave devices</td>
</tr>
<tr>
<td>Factory settings 10 min and 500 Lux</td>
</tr>
</tbody>
</table>

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**LARGE OFFICES / CONFERENCE ROOMS / CLASSROOMS / OPEN PLAN OFFICES**

**B.E.G.**

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**MOTION/OCCUPANCY DETECTORS AS SWITCHES**

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**Article Technical data**

**B.E.G.**

- **RC PD4-M-1C-FC - 92585**
- **RC PD4-M-1C-SM - 92580**
- **RC PD4-M-1C-FM - 92575**

**Area monitored: 452 m² across / 32 m² seated**

<table>
<thead>
<tr>
<th>Technical data</th>
</tr>
</thead>
<tbody>
<tr>
<td>approx. 0.6 W</td>
</tr>
<tr>
<td>360°</td>
</tr>
<tr>
<td>Ø 24 m across / Ø 8 m towards / Ø 6.4 m seated</td>
</tr>
<tr>
<td><strong>SM</strong>: IP20 / <strong>FC</strong>: IP20 / <strong>FM</strong>: IP20</td>
</tr>
<tr>
<td><strong>IR-PD-1C</strong>, <strong>IR-PD-Mini</strong>, <strong>IR-PD-1C-E</strong>, <strong>IR-Adapter for Smartphones</strong></td>
</tr>
<tr>
<td><strong>Channel 1 (control the lighting potential free)</strong></td>
</tr>
<tr>
<td>2300 W, cos φ = 1</td>
</tr>
<tr>
<td>1150 VA, cos φ = 0.5</td>
</tr>
<tr>
<td>dry contact/NO – with tungsten pre-make contact</td>
</tr>
<tr>
<td>15 sec - 30 min or pulse</td>
</tr>
<tr>
<td>10 - 2000 Lux</td>
</tr>
<tr>
<td>Mixed light measuring</td>
</tr>
</tbody>
</table>

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**Article Technical data**

**B.E.G.**

- **RC PD4-M-2C-FC - 92148**
- **RC PD4-M-2C-SM - 92140**
- **RC PD4-M-2C-FM - 92255**

**Area monitored: 452 m² across / 32 m² seated**

<table>
<thead>
<tr>
<th>Technical data</th>
</tr>
</thead>
<tbody>
<tr>
<td>approx. 0.5 W</td>
</tr>
<tr>
<td>360°</td>
</tr>
<tr>
<td>Ø 24 m across / Ø 8 m towards / Ø 6.4 m seated</td>
</tr>
<tr>
<td><strong>SM</strong>: IP54 / <strong>FC</strong>: IP20 / <strong>FM</strong>: IP20</td>
</tr>
<tr>
<td><strong>IR-PD-2C</strong>, <strong>IR-PD-Mini</strong>, <strong>IR-Adapter for Smartphones</strong></td>
</tr>
<tr>
<td><strong>Channel 1 (control the lighting)</strong></td>
</tr>
<tr>
<td>2300 W, cos φ = 1</td>
</tr>
<tr>
<td>1150 VA, cos φ = 0.5</td>
</tr>
<tr>
<td>dry contact/NO – with tungsten pre-make contact</td>
</tr>
<tr>
<td>15 sec - 30 min or pulse</td>
</tr>
<tr>
<td>10 - 2000 Lux</td>
</tr>
<tr>
<td><strong>Channel 2 (control HVAC potential free)</strong></td>
</tr>
<tr>
<td>Contact type NO, 3 A, 230 V, cos φ = 1</td>
</tr>
<tr>
<td>5 min - 120 min, alarm pulse or pulse</td>
</tr>
<tr>
<td>Mixed light measuring</td>
</tr>
</tbody>
</table>

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**Article Technical data**

**B.E.G.**

- **RC PD4-M-2C-DUO-FC - 92251**
- **RC PD4-M-2C-DUO-SM - 92158**
- **RC PD4-M-2C-DUO-FM - 92252**

**Area monitored: 452 m² across / 32 m² seated**

<table>
<thead>
<tr>
<th>Technical data</th>
</tr>
</thead>
<tbody>
<tr>
<td>approx. 0.5 W</td>
</tr>
<tr>
<td>360°</td>
</tr>
<tr>
<td>Ø 24 m across / Ø 8 m towards / Ø 6.4 m seated</td>
</tr>
<tr>
<td><strong>SM</strong>: IP54 / <strong>FC</strong>: IP20 / <strong>FM</strong>: IP20</td>
</tr>
<tr>
<td><strong>IR-PD-Mini</strong>, <strong>IR-PD-DUO</strong>, <strong>IR-Adapter for Smartphones</strong></td>
</tr>
<tr>
<td><strong>Channel 1 and Channel 2 (control the lighting)</strong></td>
</tr>
<tr>
<td>2300 W, cos φ = 1</td>
</tr>
<tr>
<td>1150 VA, cos φ = 0.5</td>
</tr>
<tr>
<td>2x dry contact/NO – with tungsten pre-make contact</td>
</tr>
<tr>
<td>15 sec - 30 min or pulse</td>
</tr>
<tr>
<td>10 - 2000 Lux</td>
</tr>
<tr>
<td>Mixed or daylight measuring</td>
</tr>
</tbody>
</table>
LARGE OFFICES / CONFERENCE ROOMS / CLASSROOMS / OPEN PLAN OFFICES

Area monitored: 452 m² across / 32 m² seated

**Article**
- PD4-M-3C-TRIO-FC - 92745
- PD4-M-3C-TRIO-SM - 92740

**Technical data**
- approx. 0.5 W
- 360°
- Ø 24 m across / Ø 8 m towards / Ø 6.4 m seated
- SM=IP20 (with socket IP54) FC=IP20/ Class II
- IR-PD4-TRIO-3C, IR-Adapter for Smartphones

**Channel 1 up to channel 3 (control the lighting)**
- 3000 W, cos φ = 1
- 1500 VA, cos φ = 0.5
- 3x dry contact/NO – with tungsten pre-make contact
- 1 min - 90 min
- 10 - 2000 Lux
- Mixed light measuring

**Product information:**
- Occupancy detector particularly for classrooms and training classrooms
- Master device
- Two contacts, one of them dry, for two groups of light, separate switching possible
- One contact for blackboard illumination
- One common detection area
- Two independent, movable light sensors
- Detection area can be extended with Slave devices

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Area monitored: 56 m² across / 17 m² seated

**Article**
- PD1N-M-2C-FC - 92874
- PD1N-M-2C-SM - 92877
- PD1N-M-2C-FM - 92870

**Technical data**
- approx. 0.5 W
- nearly square size 4 x 90°
- 7.5 m x 7.5 m across
- 4.5 m x 4.5 m towards
- 4.2 m x 4.2 m seated
- SM= IP54 FC= IP20 FM= IP20 / Class II
- IR-PD-2C, IR-PD-Mini, IR-Adapter for Smartphones

**Channel 1 (control the lighting)**
- 2300 W, cos φ = 1
- 1150 VA, cos φ = 0.5
- dry contact/NO – with tungsten pre-make contact
- 15 sec - 30 min or pulse
- 10 - 2000 Lux

**Channel 2 (control HVAC potential free)**
- Contact type NO, 3 A, 230 V, cos φ = 1
- 5 min - 120 min, alarm pulse or pulse
- Mixed light measuring

**Product information:**
- Occupancy detector with approximately square detection area
- Master device
- One channel to switch the lighting
- One potential-free (dry) contact for HVAC
- Detection area can be extended with Slave devices
- Alarm pulse: the detector triggers only when three movements are detected within 9 seconds
- Factory settings 10 min and 500 Lux (15 min HVAC)
# MOTION/OCCUPANCY DETECTORS AS SWITCHES

## CORRIDORS / HALLWAYS

### Area monitored: 250 m²

<table>
<thead>
<tr>
<th>Article</th>
<th>Technical data</th>
</tr>
</thead>
<tbody>
<tr>
<td>PD4-M-1C-C-FC - 92586&lt;br&gt;PD4-M-1C-C-SM - 92587</td>
<td><strong>Product information:</strong>&lt;br&gt;- Occupancy detector designed for corridors&lt;br&gt;- One potential-free (dry) contact&lt;br&gt;- Master device&lt;br&gt;- Detection area can be extended with Slave devices&lt;br&gt;- Factory settings 10 min and 500 Lux&lt;br&gt;&lt;br&gt;<strong>Technical data:</strong>&lt;br&gt;- approx. 0.7 W&lt;br&gt;- 360°&lt;br&gt;- Ø 40 m across / Ø 20 m towards&lt;br&gt;- Mandatory mounting height 2.4 m - 2.6 m&lt;br&gt;- SM = IP54, FC = IP20 / Class II&lt;br&gt;- IR-PD-1C, IR-PD-Mini, IR-PD-1C-E, IR-Adapter for Smartphones&lt;br&gt;- Channel 1 (control the lighting potential free)&lt;br&gt;  - 2300 W, cos φ = 1&lt;br&gt;  - 1150 VA, cos φ = 0.5&lt;br&gt;  - dry contact/NO - with tungsten pre-make contact&lt;br&gt;  - 15 sec - 30 min or pulse&lt;br&gt;  - 10 - 2000 Lux&lt;br&gt;  - Mixed light measuring&lt;br&gt;- Channel 2 (control HVAC potential free)&lt;br&gt;  - Contact type NO, 3 A, 230 V, cos φ = 1&lt;br&gt;  - 5 min - 120 min, alarm pulse or pulse&lt;br&gt;  - Mixed light measuring</td>
</tr>
</tbody>
</table>

### Area monitored: 250 m²

<table>
<thead>
<tr>
<th>Article</th>
<th>Technical data</th>
</tr>
</thead>
<tbody>
<tr>
<td>PD4-M-2C-C-FC - 92143&lt;br&gt;PD4-M-2C-C-SM - 92440&lt;br&gt;PD4-M-2C-C-FM - 92443</td>
<td><strong>Product information:</strong>&lt;br&gt;- Occupancy detector designed for corridors&lt;br&gt;- Master device&lt;br&gt;- One channel to switch the lighting&lt;br&gt;- One potential-free (dry) contact for HVAC&lt;br&gt;- Detection area can be extended with Slave devices&lt;br&gt;- Alarm pulse: the detector triggers only when three movements are detected within 9 seconds&lt;br&gt;- Factory settings 10 min and 500 Lux (15 min HVAC)&lt;br&gt;&lt;br&gt;<strong>Technical data:</strong>&lt;br&gt;- &lt;1 W&lt;br&gt;- 360°&lt;br&gt;- Ø 40 m across / Ø 20 m towards&lt;br&gt;- Mandatory mounting height 2.4 m - 2.6 m&lt;br&gt;- SM = IP54, FC = IP20 / Class II&lt;br&gt;- IR-PD-2C, IR-PD-Mini, IR-Adapter for Smartphones&lt;br&gt;- Channel 1 (control the lighting)&lt;br&gt;  - 2300 W, cos φ = 1&lt;br&gt;  - 1150 VA, cos φ = 0.5&lt;br&gt;  - dry contact/NO - with tungsten pre-make contact&lt;br&gt;  - 15 sec - 30 min or pulse&lt;br&gt;  - 10 - 2000 Lux&lt;br&gt;- Channel 2 (control HVAC potential free)&lt;br&gt;  - Contact type NO, 3 A, 230 V, cos φ = 1&lt;br&gt;  - 5 min - 120 min, alarm pulse or pulse&lt;br&gt;  - Mixed light measuring</td>
</tr>
</tbody>
</table>

### Area monitored: 625 m²

<table>
<thead>
<tr>
<th>Article</th>
<th>Technical data</th>
</tr>
</thead>
<tbody>
<tr>
<td>LC-plus 280 - 91008</td>
<td><strong>Product information:</strong>&lt;br&gt;- Motion detector for seamless surveillance (with downward detection)&lt;br&gt;- Adjustable ball head&lt;br&gt;- Simple mounting thanks to plug base&lt;br&gt;- Detection area can be restricted with blinds&lt;br&gt;- Special socket for external corner mounting included&lt;br&gt;&lt;br&gt;<strong>Technical data:</strong>&lt;br&gt;- approx. 0.4 W&lt;br&gt;- 280°&lt;br&gt;- max. 16 m when walking across (tangential)&lt;br&gt;- IP44 / Class II&lt;br&gt;- IR-LC-Mini, IR-LC-plus, IR-Adapter for Smartphones&lt;br&gt;- Channel 1 (control the lighting)&lt;br&gt;  - 2000 W, cos φ = 1&lt;br&gt;  - 1000 VA, cos φ = 0.5&lt;br&gt;  - 15 sec - 16 min or pulse&lt;br&gt;  - 2 - 2000 Lux&lt;br&gt;- Channel 2 (control HVAC potential free)&lt;br&gt;  - Contact type NO, 3 A, 230 V, cos φ = 1&lt;br&gt;  - 5 min - 120 min, alarm pulse or pulse&lt;br&gt;  - Mixed light measuring</td>
</tr>
</tbody>
</table>
### CORRIDORS / HALLWAYS

**Area monitored:** 155 m²

**Technical data**
- approx. 1.1 W
- 180°
- max. 10 m
- Mounting height max. 2.2 m
- IP20 (with optional covering IP54) / Class II
- IR-PD-Mini, IR-PD-2C, IR-Adapter for Smartphones

#### Channel 1 (control the lighting)
- 2300 W, cos ϕ = 1
- 1150 VA, cos ϕ = 0.5
- dry contact/NO – with tungsten pre-make contact
- 15 sec - 30 min or pulse
- 10 - 2000 Lux

#### Channel 2 (control HVAC potential free)
- Contact type NO, 3 A, 230 V, cos ϕ = 1
- 5 min - 120 min, alarm pulse or pulse

**Product information:**
- Wall occupancy detector with acoustic sensor, as master-device
- One channel to switch the lighting
- One potential-free (dry) contact for HVAC
- Detection area can be extended with Slave devices
- Available with covering (centre plate dimensions 60x60 mm) or without covering for use with covering (centre plate dimensions 50x50 mm) in 5 different colours
- Acoustic sensor independently adjustable
- Noise automatically extends light-on time
- Factory settings 10 min and 500 Lux

**Article**
- Indoor 180-M-2C
  - 92136 (EU)

---

**Area monitored:** 67 m²

**Technical data**
- approx. 0.4 W
- Nightlight: approx. 0.8 W
- 120°
- max. 10 m
- Recommended mounting height 1 - 1.2 m
- IP20 / Class II

#### Channel 1 (control the lighting)
- 2000 W, cos ϕ = 1
- 1000 VA, cos ϕ = 0.5
- dry contact/NO – with tungsten pre-make contact
- 15 sec - 30 min
- 10 - 2000 Lux

**Product information:**
- Wall-mounted occupancy detector with integrated pushbutton
- One channel for switching light (selectively main light or orientation light)
- Integrated downlight with the function of an orientation or a night light
- Extension of the detection range possible by using up to 5 other Indoor 140-L
- Can be used as either Master device or Slave device
- Please order coverings for EU version 94325 separately; available in various colours

**Article**
- Indoor 140-L (without frame)
  - 94325 (EU)
  - 94327 (UK)

---

### 3D MODELS

**Product information:**
- Wall occupancy detector with acoustic sensor, as master-device
- One channel to switch the lighting
- One potential-free (dry) contact for HVAC
- Detection area can be extended with Slave devices
- Available with covering (centre plate dimensions 60x60 mm) or without covering for use with covering (centre plate dimensions 50x50 mm) in 5 different colours
- Acoustic sensor independently adjustable
- Noise automatically extends light-on time
- Factory settings 10 min and 500 Lux

**Article**
- Indoor 180-M-2C
  - 92136 (EU)
## MOTION/OCUPANCY DETECTORS AS SWITCHES

### OTHER SPACES

<table>
<thead>
<tr>
<th>Toilets / equipment rooms / changing rooms</th>
<th>Area monitored: 79 m² across / 13 m² seated</th>
<th>Technical data</th>
</tr>
</thead>
<tbody>
<tr>
<td>Article</td>
<td>PD3N-1C-FC - 92196</td>
<td>approx. 0.5 W</td>
</tr>
<tr>
<td></td>
<td>PD3N-1C-SM - 92190</td>
<td>360°</td>
</tr>
<tr>
<td></td>
<td>PD3N-1C-FM - 92186</td>
<td>Ø 10 m across / Ø 6 m towards / Ø 4 m small movements</td>
</tr>
<tr>
<td></td>
<td>IP SM= IP44 FC= IP23 FM= IP20 / Class II</td>
<td>IR-PD3N, IR-PD-Mini, IR-Adapter for Smartphones</td>
</tr>
<tr>
<td></td>
<td></td>
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</tr>
<tr>
<td></td>
<td></td>
<td>Channel 1 (control the lighting)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>2300 W, cos φ = 1</td>
</tr>
<tr>
<td></td>
<td></td>
<td>1150 VA, cos φ = 0.5</td>
</tr>
<tr>
<td></td>
<td></td>
<td>30 sec - 30 min or pulse</td>
</tr>
<tr>
<td></td>
<td></td>
<td>10 - 2000 Lux</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Product information:</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Remote control-capable ceiling motion detector</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• One channel to switch the lighting</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Special optical system for detection of even the smallest movements</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Toilets / equipment rooms / changing rooms</th>
<th>Area monitored: 79 m² across / 13 m² seated</th>
<th>Technical data</th>
</tr>
</thead>
<tbody>
<tr>
<td>Article</td>
<td>PD9-1C-FC - 92902</td>
<td>approx. 0.5 W</td>
</tr>
<tr>
<td></td>
<td></td>
<td>360°</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Ø 10 m across / Ø 6 m towards / Ø 4 m small movements</td>
</tr>
<tr>
<td></td>
<td>IP IP20 / Class II</td>
<td>IR-PD9, IR-Adapter for Smartphones</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Channel 1 (control the lighting)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>1000 W, cos φ = 1</td>
</tr>
<tr>
<td></td>
<td></td>
<td>500 VA, cos φ = 0.5</td>
</tr>
<tr>
<td></td>
<td></td>
<td>30 sec - 30 min or pulse</td>
</tr>
<tr>
<td></td>
<td></td>
<td>10 - 2000 Lux</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Product information:</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Mini-motion detector for indoor use</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• One channel to switch the lighting</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Manual setting of follow-up time and lux value on sensor part</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Power supply passes through hole in ceiling for detector (34 mm Ø)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Spring clips for quick and easy installation in suspended ceilings and light fittings</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Includes 45 mm cover ring and blinds</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Toilets / bathroom / shower</th>
<th>Area monitored: 79 m² across / 13 m² seated</th>
<th>Technical data</th>
</tr>
</thead>
<tbody>
<tr>
<td>Article</td>
<td>PD9-M-1C-SDB-IP65-FC - 92912</td>
<td>2.2 W</td>
</tr>
<tr>
<td></td>
<td></td>
<td>360°</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Ø 10 m across / Ø 6 m towards / Ø 4 m seated</td>
</tr>
<tr>
<td></td>
<td>IP IP65 / Class II</td>
<td>IR-PD-Mini, IR-PD9, IR-Adapter for Smartphones</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Channel 1 (control the lighting potential free)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>2300 W, cos φ = 1</td>
</tr>
<tr>
<td></td>
<td></td>
<td>1150 VA, cos φ = 0.5</td>
</tr>
<tr>
<td></td>
<td></td>
<td>15 sec - 30 min or pulse</td>
</tr>
<tr>
<td></td>
<td></td>
<td>10 - 2000 Lux</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Mixed light measuring</td>
</tr>
</tbody>
</table>
### OTHER SPACES

#### Sports halls / warehouses / warehouse side aisles

**Article**

- PD4-M-1C-GH-SM - 92245

<table>
<thead>
<tr>
<th>Technical data</th>
</tr>
</thead>
<tbody>
<tr>
<td>approx. 0.8 W</td>
</tr>
<tr>
<td>oval 360°</td>
</tr>
<tr>
<td>max. 30 m towards / max. 44 m across</td>
</tr>
<tr>
<td>IP20 (with socket IP54) / Class II</td>
</tr>
<tr>
<td>IR-PD-LD, IR-PD-1C-E, IR-Adapter for Smartphones</td>
</tr>
<tr>
<td>Channel 1 (control the lighting potential free)</td>
</tr>
<tr>
<td>2300 W, cos φ = 1</td>
</tr>
<tr>
<td>1150 VA, cos φ = 0.5</td>
</tr>
<tr>
<td>dry contact/NO – with tungsten pre-make contact</td>
</tr>
<tr>
<td>15 sec - 30 min or pulse</td>
</tr>
<tr>
<td>10 - 2000 Lux</td>
</tr>
<tr>
<td>Mixed light measuring</td>
</tr>
</tbody>
</table>

**Product information:**
- Occupancy detector designed for high-bay warehouses with a mounting height of up to 14 m
- Master device
- One potential-free (dry) contact
- Detection area can be extended with Slave devices
- When used in high-bay warehouses, care should be taken that, in the cross-aisles of the warehouse, detectors are installed that can detect movement only in the desired aisle locations, by using blinds or other technical arrangements.

#### Multi-storey car parks

**Article**

- PD4-M-1C-FC - 92585
- PD4-M-1C-SM - 92580
- PD4-M-1C-FM - 92575

<table>
<thead>
<tr>
<th>Technical data</th>
</tr>
</thead>
<tbody>
<tr>
<td>approx. 0.6 W</td>
</tr>
<tr>
<td>360°</td>
</tr>
<tr>
<td>Ø 24 m across / Ø 8 m towards / Ø 6.4 m seated</td>
</tr>
<tr>
<td>IP20 (with socket IP54) / FC= IP20 FM= IP20 Class II</td>
</tr>
<tr>
<td>IR-PD-1C, IR-PD-Mini, IR-PD-1C-E, IR-Adapter for Smartphones</td>
</tr>
<tr>
<td>Channel 1 (control the lighting potential free)</td>
</tr>
<tr>
<td>2300 W, cos φ = 1</td>
</tr>
<tr>
<td>1150 VA, cos φ = 0.5</td>
</tr>
<tr>
<td>dry contact/NO – with tungsten pre-make contact</td>
</tr>
<tr>
<td>15 sec - 30 min or pulse</td>
</tr>
<tr>
<td>10 - 2000 Lux</td>
</tr>
<tr>
<td>Mixed light measuring</td>
</tr>
</tbody>
</table>

**Product information:**
- Occupancy detector with extended detection area
- Master device
- One potential-free (dry) contact
- Detection area can be extended with Slave devices
- Factory settings 10 min and 500 Lux
**OUTDOOR FACILITIES / CAR PARKS**

<table>
<thead>
<tr>
<th>Article</th>
<th>Area monitored: 450 m²</th>
<th>Technical data</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image1.png" alt="Image" /> RC-plus next 130° - 97001</td>
<td></td>
<td>approx. 0.5 W</td>
</tr>
<tr>
<td></td>
<td></td>
<td>130°</td>
</tr>
<tr>
<td></td>
<td></td>
<td>max. 20 m when walking across (tangential)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>IP54 / Class II</td>
</tr>
<tr>
<td></td>
<td></td>
<td>IR-RC, IR-Adapter for Smartphones, IR-RC-LD, IR-RC-Mini</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Channel 1 (control the lighting)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>3000 W, cos φ = 1</td>
</tr>
<tr>
<td></td>
<td></td>
<td>1500 VA, cos φ = 0.5</td>
</tr>
<tr>
<td></td>
<td></td>
<td>dry contact/NO – with tungsten pre-make contact</td>
</tr>
<tr>
<td></td>
<td></td>
<td>15 sec - 16 min or pulse</td>
</tr>
<tr>
<td></td>
<td></td>
<td>2 - 2000 Lux</td>
</tr>
<tr>
<td><strong>Product information:</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Motion detector with 130° detection area and anti-creep zone</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Mechanical range adjustment</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Different follow-up time depending on direction of movement</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Adjustable ball head</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Simple mounting thanks to plug base</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Wall, ceiling and corner mounting</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Immediate operation using factory settings</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Factory settings 3 min and 20 Lux</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Article</th>
<th>Area monitored: 800 m²</th>
<th>Technical data</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image2.png" alt="Image" /> RC-plus next 230° - 97002</td>
<td></td>
<td>approx. 0.6 W</td>
</tr>
<tr>
<td></td>
<td></td>
<td>230°</td>
</tr>
<tr>
<td></td>
<td></td>
<td>max. 20 m when walking across (tangential)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>IP54 / Class II</td>
</tr>
<tr>
<td></td>
<td></td>
<td>IR-RC, IR-RC-LD, IR-RC-Mini, IR-Adapter for Smartphones</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Channel 1 (control the lighting)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>3000 W, cos φ = 1</td>
</tr>
<tr>
<td></td>
<td></td>
<td>1500 VA, cos φ = 0.5</td>
</tr>
<tr>
<td></td>
<td></td>
<td>dry contact/NO – with tungsten pre-make contact</td>
</tr>
<tr>
<td></td>
<td></td>
<td>15 sec - 16 min or pulse</td>
</tr>
<tr>
<td></td>
<td></td>
<td>2 - 2000 Lux</td>
</tr>
<tr>
<td><strong>Product information:</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Motion detector with 230° detection area and anti-creep zone</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Different follow-up time depending on direction of movement</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Two independent sensors with independent range adjustment</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Adjustable ball head</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Simple mounting thanks to plug base</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Wall, ceiling and corner mounting</td>
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<tr>
<td></td>
<td></td>
<td>Immediate operation using factory settings</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Factory settings 3 min and 20 Lux</td>
</tr>
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</table>

<table>
<thead>
<tr>
<th>Article</th>
<th>Area monitored: 975 m²</th>
<th>Technical data</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image3.png" alt="Image" /> RC-plus next 280° - 97003</td>
<td></td>
<td>approx. 0.6 W</td>
</tr>
<tr>
<td></td>
<td></td>
<td>280°</td>
</tr>
<tr>
<td></td>
<td></td>
<td>max. 20 m when walking across (tangential)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>IP54 / Class II</td>
</tr>
<tr>
<td></td>
<td></td>
<td>IR-RC, IR-RC-LD, IR-RC-Mini, IR-Adapter for Smartphones</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Channel 1 (control the lighting)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>3000 W, cos φ = 1</td>
</tr>
<tr>
<td></td>
<td></td>
<td>1500 VA, cos φ = 0.5</td>
</tr>
<tr>
<td></td>
<td></td>
<td>dry contact/NO – with tungsten pre-make contact</td>
</tr>
<tr>
<td></td>
<td></td>
<td>15 sec - 16 min or pulse</td>
</tr>
<tr>
<td></td>
<td></td>
<td>2 - 2000 Lux</td>
</tr>
<tr>
<td><strong>Product information:</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Motion detector with 280° detection area and anti-creep zone</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Simple mounting thanks to plug base</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Different follow-up time depending on direction of movement</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Three independent sensors with independent range adjustment</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Adjustable ball head</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Special socket for external corner mounting included</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Wall, ceiling and corner mounting</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Immediate operation using factory settings</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Factory settings 3 min and 20 Lux</td>
</tr>
</tbody>
</table>
### OUTDOOR FACILITIES

**Area monitored:** 447 m²

<table>
<thead>
<tr>
<th>Article</th>
<th>Technical data</th>
</tr>
</thead>
<tbody>
<tr>
<td>LC-plus 280° - 91008</td>
<td>approx. 0.4 W</td>
</tr>
<tr>
<td></td>
<td>280°</td>
</tr>
<tr>
<td></td>
<td>max. 16 m when walking across (tangential)</td>
</tr>
<tr>
<td></td>
<td>IP44 / Class II</td>
</tr>
<tr>
<td></td>
<td>IR-LC-Mini, IR-LC-plus, IR-Adapter for Smartphones</td>
</tr>
</tbody>
</table>

**Product information:**
- Motion detector for seamless surveillance (with downward detection)
- Adjustable ball head
- Simple mounting thanks to plug base
- Detection area can be restricted with blinds
- Special socket for external corner mounting included

**Technical data**
- Channel 1 (control the lighting)
  - 2000 W, cos φ = 1
  - 1000 VA, cos φ = 0.5
  - 15 sec - 16 min or pulse
  - 2 - 2000 Lux
Dimming technology is also known as 1-10V technology; its purpose is to vary the light intensity of connected lamps or electronic ballasts. So that this can take place automatically, B.E.G. offers dimming occupancy detectors. These enable daylight-dependent lighting regulation via a control output.

The dimming B.E.G. occupancy detectors are remote control-capable, offering more convenience for the user. The lux value desired for room illumination is set up on the detector. When movement is detected, the detector regulates the required amount of artificial light to add to the daylight level, in order to achieve this lux value.
## SMALL OFFICES / RECEPTION AREAS

**Area monitored:** 79 m² across / 13 m² seated

### Article Technical data

<table>
<thead>
<tr>
<th>Article</th>
<th>Technical data</th>
</tr>
</thead>
</table>
| PD2-M-DIM-FC - 92167 | approx. 0.5 W  
| PD2-M-DIM-SM - 92153 | 360°  
| PD2-M-DIM-FM - 92157 | Ø 10 m across / Ø 6 m towards / Ø 4 m seated  
| | IP = IP20 (with socket IP54) FC = IP20 FM = IP20 Class II  
| | IR-IR-DIR, IR-PD-DIM-Mini, IR-Adapter for Smartphones  
| | Channel 1 (control the lighting)  
| | 2300 W, cos φ = 1  
| | 1150 VA, cos φ = 0.5  
| | dry contact/NO – with tungsten pre-make contact  
| | 1 min - 30 min  
| | 10 - 2000 Lux  
| | 1-10 V DC, up to 50 EB  
| | Mixed light measuring  
| | Power supply passes through hole in ceiling for detector (34 mm Ø)  
| | Detection area can be extended with Slave devices  
| | Includes 45 mm cover ring and blinds  
| | Includes 45 mm cover ring and blinds  

**Product information:**
- Occupancy detector for daylight-dependent lighting control
- Master device
- One Channel for light dimming and switching
- Detection area can be extended with Slave devices

---

### Article Technical data

<table>
<thead>
<tr>
<th>Article</th>
<th>Technical data</th>
</tr>
</thead>
</table>
| PD9-M-DIM-FC- 92910 | approx. 0.5 W  
| | 360°  
| | Ø 10 m across / Ø 6 m towards / Ø 4 m seated  
| | IP20 / Class II  
| | 45 cm (screened)  
| | IR-IR-DIR, IR-PD-DIM-Mini, IR-Adapter for Smartphones  
| | Channel 1 (control the lighting)  
| | 2300 W, cos φ = 1  
| | 1150 VA, cos φ = 0.5  
| | dry contact/NO – with tungsten pre-make contact  
| | 1 min - 30 min  
| | 10 - 2000 Lux  
| | 1-10 V DC, up to 50 EB  
| | Mixed light measuring  
| | Power supply passes through hole in ceiling for detector (34 mm Ø)  
| | Detection area can be extended with Slave devices  
| | Includes 45 mm cover ring and blinds  

**Product information:**
- Mini-Occupancy detector for daylight-dependent lighting control
- 1-10 V interface for control of dimmable electronic ballast
- Power supply passes through hole in ceiling for detector (34 mm Ø)
- Detection area can be extended with Slave devices
- Includes 45 mm cover ring and blinds

---

### Article Technical data

<table>
<thead>
<tr>
<th>Article</th>
<th>Technical data</th>
</tr>
</thead>
</table>
| PD9-M-DIM-HVAC-FC - 92973 | approx. 0.8 W  
| | 360°  
| | Ø 10 m across / Ø 6 m towards / Ø 4 m seated  
| | IP20 / Class II  
| | 45 cm (screened)  
| | IR-IR-DIR, IR-PD-DIM-Mini, IR-Adapter for Smartphones  
| | Channel 1 (control the lighting)  
| | 2300 W, cos φ = 1  
| | 1150 VA, cos φ = 0.5  
| | dry contact/NO – with tungsten pre-make contact  
| | 1 min - 30 min  
| | 10 - 2000 Lux  
| | 1-10 V DC, up to 50 EB  
| | Mixed light measuring  
| | Contact type NO, 3 A, 230 V, cos φ = 1  
| | 5 min - 60 min, pulse  

**Product information:**
- Mini occupancy detector with additional potential-free contact
- 1-10 V interface for control of dimmable electronic ballast
- One Channel for light dimming and switching
- Detection area can be extended with Slave devices
- Power supply passes through hole in ceiling for detector (34 mm Ø)
- Spring clips for quick and easy installation in suspended ceilings and light fittings
- Includes 45 mm cover ring and blinds
- Factory settings 5 min and 300 lx (15 min HVAC)
**OCCUPANCY DETECTORS AS DIMMERS 1-10V**

**LARGE OFFICES / CONFERENCE ROOMS / CLASSROOMS / OPEN PLAN OFFICES**

**Article**

<table>
<thead>
<tr>
<th>Product information</th>
<th>Technical data</th>
</tr>
</thead>
<tbody>
<tr>
<td>- Occupancy detector with extended detection area, daylight-dependent lighting control</td>
<td>approx. 0.5 W</td>
</tr>
<tr>
<td>- Master device</td>
<td>360°</td>
</tr>
<tr>
<td>- 1-10 V interface for control of dimmable electronic ballast</td>
<td>Ø 24 m across / Ø 8 m towards / Ø 6.4 m seated</td>
</tr>
<tr>
<td>- Detection area can be extended with Slave devices</td>
<td>SM= IP54 FC= IP20 FM= IP20 / Class II</td>
</tr>
<tr>
<td>PD4-M-DIM-FC - 92247</td>
<td>IR-PDim, IR-PD-DIM-Mini, IR-Adapter for Smartphones</td>
</tr>
<tr>
<td>PD4-M-DIM-2M - 92147</td>
<td>Channel 1 (control the lighting)</td>
</tr>
<tr>
<td>PD4-M-DIM-FM - 92248</td>
<td>2300 W, cos φ = 1</td>
</tr>
<tr>
<td></td>
<td>1150 VA, cos φ = 0.5</td>
</tr>
<tr>
<td></td>
<td>dry contact/NO – with tungsten pre-make contact</td>
</tr>
<tr>
<td></td>
<td>1 min - 30 min</td>
</tr>
<tr>
<td></td>
<td>10 - 2000 Lux</td>
</tr>
<tr>
<td></td>
<td>1-10 V DC, up to 50 EB</td>
</tr>
<tr>
<td></td>
<td>Mixed light measuring</td>
</tr>
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**Article**

<table>
<thead>
<tr>
<th>Product information</th>
<th>Technical data</th>
</tr>
</thead>
<tbody>
<tr>
<td>- Occupancy detector for daylight-dependent lighting control</td>
<td>approx. 0.6 W</td>
</tr>
<tr>
<td>- Master device</td>
<td>360°</td>
</tr>
<tr>
<td>- 1-10 V interface for control of dimmable electronic ballast</td>
<td>Ø 24 m across / Ø 8 m towards / Ø 6.4 m seated</td>
</tr>
<tr>
<td>- One additional potential-free (dry) contact for HVAC</td>
<td>SM= IP20 / Class II</td>
</tr>
<tr>
<td>- Detection area can be extended with Slave devices</td>
<td>IR-PD-DIM-HVAC, IR-PD-DIM-Mini, IR-Adapter for Smartphones</td>
</tr>
<tr>
<td>PD4-M-DIM-HVAC-FC - 92507</td>
<td>Channel 1 (control the lighting)</td>
</tr>
<tr>
<td>PD4-M-DIM-HVAC-16A-FC - 92547</td>
<td>2300 W, cos φ = 1</td>
</tr>
<tr>
<td></td>
<td>1150 VA, cos φ = 0.5</td>
</tr>
<tr>
<td></td>
<td>dry contact/NO – with tungsten pre-make contact</td>
</tr>
<tr>
<td></td>
<td>1 min - 30 min</td>
</tr>
<tr>
<td></td>
<td>10 - 2000 Lux</td>
</tr>
<tr>
<td></td>
<td>1-10 V DC, up to 50 EB</td>
</tr>
<tr>
<td></td>
<td>Mixed light measuring</td>
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**Article**

<table>
<thead>
<tr>
<th>Product information</th>
<th>Technical data</th>
</tr>
</thead>
<tbody>
<tr>
<td>- Occupancy detector for two separate lighting groups, for daylight-dependent lighting control</td>
<td>approx. 0.5 W</td>
</tr>
<tr>
<td>- Master device</td>
<td>360°</td>
</tr>
<tr>
<td>- Two independent, movable light sensors</td>
<td>Ø 24 m across / Ø 8 m towards / Ø 6.4 m seated</td>
</tr>
<tr>
<td>- Detection area can be extended with Slave devices</td>
<td>SM= IP44 FC= IP20 FM= IP20 / Class II</td>
</tr>
<tr>
<td>PD4-M-DUO-DIM-FC - 92272</td>
<td>IR-PDim, IR-PD-DIM-Mini, IR-Adapter for Smartphones</td>
</tr>
<tr>
<td>PD4-M-DUO-DIM-SM - 92271</td>
<td>Channel 1 and Channel 2 (control the lighting)</td>
</tr>
<tr>
<td>PD4-M-DUO-DIM-FM - 92273</td>
<td>2300 W, cos φ = 1</td>
</tr>
<tr>
<td></td>
<td>1150 VA, cos φ = 0.5</td>
</tr>
<tr>
<td></td>
<td>dry contact/NO – with tungsten pre-make contact</td>
</tr>
<tr>
<td></td>
<td>1 min - 30 min</td>
</tr>
<tr>
<td></td>
<td>10 - 2000 Lux</td>
</tr>
<tr>
<td></td>
<td>2 x 1-10 V DC, up to 25 EB each channel</td>
</tr>
<tr>
<td></td>
<td>Mixed light measuring</td>
</tr>
</tbody>
</table>
**LARGE OFFICES / CONFERENCE ROOMS / CLASSROOMS / OPEN PLAN OFFICES**

**Area monitored:** 452 m² across / 32 m² seated

**Article**
- PD4-M-TRIO-DIM-FC - 92735
- PD4-M-TRIO-DIM-SM - 92730

**Technical data**
- approx. 0.6 W
- 360°
- Ø 24 m across / Ø 8 m towards / Ø 6.4 m seated
- SM = IP20 (with socket IP54) FC = IP20 / Class II
- IR-PD4-TRIO, IR-Adapter for Smartphones
- Channel 1-3: 1 - 60min

**Channel 1 and Channel 2 (control the lighting)**
- 3000 W, cos φ = 1
- 1500 VA, cos φ = 0.5
- dry contact/NO – with tungsten pre-make contact
- 10 - 2000 Lux
- 2 x 1-10 V DC, up to 25 EB each channel

**Channel 3 (control the lighting potential-free)**
- 3000 W, cos φ = 1
- 1500 VA, cos φ = 0.5
- 10 - 2000 Lux
- Mixed light measuring

**Product information:**
- Occupancy detector for two separate lighting groups and one potential-free light channel, for daylight-dependent lighting control
- Master device
- One common detection area
- Two independent, movable light sensors
- Detection area can be extended with Slave devices
- Two 1-10 V interfaces for control of dimmable electronic ballasts

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**Area monitored:** 56 m² across / 17 m² seated

**Article**
- PD1N-M-DIM-FC - 92876

**Technical data**
- approx. 0.6 W
- nearly square size 4 x 90°
- 7,5 m x 7,5 m across
- 4,5 m x 4,5 m towards
- 4,2 m x 4,2 m seated
- IP20 / Class II
- IR-PDim, IR-PD-DIM-Mini, IR-Adapter for Smartphones
- Channel 1 (control the lighting)
- 2300 W, cos φ = 1
- 1150 VA, cos φ = 0.5
- dry contact/NO – with tungsten pre-make contact
- 1 min - 30 min
- 10 - 2000 Lux
- 1-10 V DC, up to 50 EB
- Mixed light measuring

**Product information:**
- Occupancy detector with approximately square detection area, for daylight-dependent lighting control
- Master device
- 1-10 V interface for control of dimmable electronic ballast
- Detection area can be extended with Slave devices
OCCUPANCY DETECTORS AS DIMMERS 1-10V

CORRIDORS / HALLWAYS

Area monitored: 250 m²

<table>
<thead>
<tr>
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<th>Technical data</th>
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<tbody>
<tr>
<td>PD4-M-DIM-C-FC - 92217</td>
<td>approx. 0.5 W</td>
</tr>
<tr>
<td>PD4-M-DIM-C-SM - 92218</td>
<td>360°</td>
</tr>
</tbody>
</table>

Product information:
- Occupancy detector designed for corridors, for daylight-dependent lighting control
- Master device
- 1-10 V interface for control of dimmable electronic ballast
- Detection area can be extended with Slave devices

Technical data:
- 360°
- Ø 40 m across / Ø 20 m towards
- Mandatory mounting height 2,4 m - 2,6 m
- SM= IP54 FC= IP20 / Class II
- IR-PDim, IR-PD-DIM-Mini, IR-Adapter for Smartphones

Channel 1 (control the lighting)
- 2300 W, cos φ = 1
- 1150 VA, cos φ = 0.5
- dry contact/NO – with tungsten pre-make contact
- 1 min - 30 min
- 10 - 2000 Lux
- 1-10 V DC, up to 50 EB
- Mixed light measuring
Modern lighting control with DALI compact solutions from B.E.G.

DALI technology

DALI is a digital bus system, designed for decentralised control of lighting installations in buildings. The biggest advantage for customers is the freedom to choose suppliers when selecting devices (DALI EB = electronic ballast with DALI interface), as it is an industry standard. Moreover, DALI is very easy to install or integrate into existing infrastructure.

B.E.G. DALI detectors combine several components from the DALI ecosystem into a single case (e.g. sensors, power supplies, controllers, switch controls, relay actuators), which lets you plan with confidence, and reduces process costs such as installation, testing and commissioning to a minimum.
## SMALL OFFICES / RECEPTION AREAS

**Area monitored:** 79 m² across / 13 m² seated

### Technical data

<table>
<thead>
<tr>
<th>Article</th>
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</tr>
</thead>
<tbody>
<tr>
<td><strong>PD2-M-DALI/DSI-FC</strong> - 92258</td>
<td>approx. 0.9 W</td>
</tr>
<tr>
<td><strong>PD2-M-DALI/DSI-SM</strong> - 92280</td>
<td><strong>Ø 10 m across / Ø 6 m towards / Ø 4 m seated</strong></td>
</tr>
<tr>
<td><strong>PD9-M-DALI/DSI-FC</strong> - 92920</td>
<td><strong>360°</strong></td>
</tr>
<tr>
<td><strong>PD2-M-DALI/DSI-1C-FC</strong> - 92486</td>
<td><strong>SM = IP20 (with socket IP54)</strong></td>
</tr>
<tr>
<td><strong>SM = IP20 (with socket IP54)</strong></td>
<td></td>
</tr>
<tr>
<td><strong>FC = IP20 / Class II</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Channel 1 (control the lighting)</strong></td>
<td></td>
</tr>
<tr>
<td><strong>up to 50 DALI / DSI EB</strong></td>
<td></td>
</tr>
<tr>
<td><strong>1 min - 30 min</strong></td>
<td></td>
</tr>
<tr>
<td><strong>10 - 2000 Lux</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Mixed light measuring</strong></td>
<td></td>
</tr>
</tbody>
</table>

### Product information:

- Occupancy detector for daylight-dependent lighting control
- Master device
- DALI / DSI interface for control of digital dimmable electronic ballasts as a group
- Detection area can be extended with Slave devices
- Factory settings 10 min and 500 Lux

### Article Technical data

<table>
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<tr>
<td><strong>PD2-M-DALI/DSI-FC</strong> - 92258</td>
<td><strong>sm = IP20 (with socket IP54)</strong></td>
</tr>
<tr>
<td><strong>PD2-M-DALI/DSI-SM</strong> - 92280</td>
<td><strong>FC = IP20 / Class II</strong></td>
</tr>
<tr>
<td><strong>Channel 1 (control the lighting)</strong></td>
<td></td>
</tr>
<tr>
<td><strong>up to 50 DALI / DSI EB</strong></td>
<td></td>
</tr>
<tr>
<td><strong>1 min - 30 min</strong></td>
<td></td>
</tr>
<tr>
<td><strong>10 - 2000 Lux</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Mixed light measuring</strong></td>
<td></td>
</tr>
</tbody>
</table>

### Product information:

- Mini-Occupancy detector for daylight-dependent lighting control
- DALI / DSI interface for control of digital dimmable electronic ballasts as a group
- Manual switching and dimming via push button possible
- Detection area can be extended with Slave devices
- Switching between DALI and DSI programme possible with remote control
- Power supply passes through hole in ceiling for detector (34 mm Ø)
- Includes 45mm cover ring and blinds
- Simple operation with remote control (required)
- Factory settings 10 min and 500 Lux

### Article Technical data

<table>
<thead>
<tr>
<th>Article</th>
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</tr>
</thead>
<tbody>
<tr>
<td><strong>PD2-M-DALI/DSI-FC</strong> - 92258</td>
<td>approx. 1 W</td>
</tr>
<tr>
<td><strong>PD2-M-DALI/DSI-1C-FC</strong> - 92486</td>
<td><strong>Ø 10 m across / Ø 6 m towards / Ø 4 m seated</strong></td>
</tr>
<tr>
<td><strong>IP20 / Class II</strong></td>
<td></td>
</tr>
<tr>
<td><strong>IR-PD-DALI-E, IR-PD-DALI, IR-PD-DALI-Mini, IR-Adapter for Smartphones</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Channel 1 (control the lighting)</strong></td>
<td></td>
</tr>
<tr>
<td><strong>up to 50 DALI / DSI EB</strong></td>
<td></td>
</tr>
<tr>
<td><strong>1 min - 30 min</strong></td>
<td></td>
</tr>
<tr>
<td><strong>10 - 2000 Lux</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Mixed light measuring</strong></td>
<td></td>
</tr>
</tbody>
</table>

### Product information:

- Occupancy detector for daylight-dependent lighting control
- Master device
- DALI / DSI interface for control of digital dimmable electronic ballasts as a group
- One additional switching channel with many functions: cut-off function for electronic ballast switchoff or HVAC function for energy-efficient control of heating, ventilation or air-conditioning units
- Detection area can be extended with Slave devices
- Factory settings 10 min and 500 Lux
OCCUPANCY DETECTORS AS LIGHTING REGULATORS, DALI COMPACT

SMALL OFFICES / RECEPTION AREAS

Area monitored: 79 m² across / 13 m² seated

Product Information:
- Occupancy detector for daylight-dependent lighting control
- Master device
- DALI / DSI interface for control of digital dimmable electronic ballasts as a group
- One additional potential-free switching channel having innovative functions: totally switching off electronic ballasts when used for control of lighting or delay of the HVAC function when used for control of HVAC devices becomes possible
- Alarm pulse: the detector triggers only when three movements are detected within 9 seconds
- Detection area can be extended with Slave devices
- Factory settings 10 min and 500 Lux

Technical Data:

- **Article**: B.E.G. PD2-M-DALI/DSI-HVAC-FC - 92698
- **Area monitored**: 79 m² across / 13 m² seated
- **Approx. Power Consumption**: 1W
- **Detection Angle**: 360°
- **Protection Rating**: IP20 / Class II
- **Smart Contact**: IR-PD-DALI-1C, IR-PD-DALI-Mini, IR-Adapter for Smartphones
- **Channel 1 (Control the Lighting)**
  - Up to 50 DALI / DSI EB
  - 1 min - 30 min
  - 10 - 2000 Lux
- **Channel 2 (Control HVAC Potential Free)**
  - 2300 W, cos φ = 1
  - 1150 VA, cos φ = 0.5
  - Dry Contact/NO – with tungsten pre-make contact
  - 5 min - 120 min, alarm pulse or pulse
  - Mixed light measuring
## OCCUPANCY DETECTORS AS LIGHTING REGULATORS, DALI COMPACT

### LARGE OFFICES / CONFERENCE ROOMS / CLASSROOMS / OPEN PLAN OFFICES

**Area monitored:** 452 m² across / 32 m² seated

<table>
<thead>
<tr>
<th>Article</th>
<th>Technical data</th>
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<tbody>
<tr>
<td>PD4-M-DALI/DSI-FC - 92275</td>
<td><img src="image1" alt="Diagram" /></td>
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<tr>
<td>PD4-M-DALI/DSI-SM - 92279</td>
<td>0.9 W</td>
</tr>
<tr>
<td></td>
<td>Ø 24 m across / Ø 8 m towards / Ø 6.4 m seated</td>
</tr>
<tr>
<td></td>
<td>360°</td>
</tr>
<tr>
<td></td>
<td>SM= IP20 (with socket IP54) FC= IP20 / Class II</td>
</tr>
<tr>
<td></td>
<td><strong>Channel 1 (control the lighting)</strong></td>
</tr>
<tr>
<td></td>
<td>up to 50 DALI / DSI EB</td>
</tr>
<tr>
<td></td>
<td>1 min - 30 min</td>
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<tr>
<td></td>
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</tr>
<tr>
<td></td>
<td>Mixed light measuring</td>
</tr>
</tbody>
</table>

**Product information:**
- Occupancy detector with extended detection area, daylight-dependent lighting control
- Master device
- DALI / DSI interface for control of digital dimmable electronic ballasts as a group
- Detection area can be extended with Slave devices
- Factory settings 10 min and 500 Lux

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<table>
<thead>
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<tr>
<td>PD4-M-DALI/DSI-FC - 92488</td>
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<td>approx. 1 W</td>
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<tr>
<td></td>
<td>Ø 24 m across / Ø 8 m towards / Ø 6.4 m seated</td>
</tr>
<tr>
<td></td>
<td>360°</td>
</tr>
<tr>
<td></td>
<td>IP20 / Class II</td>
</tr>
<tr>
<td></td>
<td>IR-PD-DALI-1C, IR-PD-DALI-Mini, IR-Adapter for Smartphones</td>
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<tr>
<td></td>
<td><strong>Channel 1 (control the lighting)</strong></td>
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<tr>
<td></td>
<td>up to 50 DALI / DSI EB</td>
</tr>
<tr>
<td></td>
<td>1 min - 30 min</td>
</tr>
<tr>
<td></td>
<td>10 - 2000 Lux</td>
</tr>
<tr>
<td></td>
<td>Channel 2 (control the lighting or HVAC)</td>
</tr>
<tr>
<td></td>
<td>2300 W, cos φ = 1</td>
</tr>
<tr>
<td></td>
<td>1150 VA, cos φ = 0.5</td>
</tr>
<tr>
<td></td>
<td>dry contact/NO – with tungsten pre-make contact</td>
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<td></td>
<td>5 min - 120 min, alarm pulse or pulse</td>
</tr>
<tr>
<td></td>
<td>Mixed light measuring</td>
</tr>
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</table>

**Product information:**
- Occupancy detector with extended detection area, daylight-dependent lighting control
- Master device
- DALI / DSI interface for control of digital dimmable electronic ballasts as a group
- One additional switching channel with many functions: cut-off function for electronic ballast switchoff or HVAC function for energy-efficient control of heating, ventilation or air-conditioning units
- Detection area can be extended with Slave devices
- Factory settings 10 min and 500 Lux

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<thead>
<tr>
<th>Article</th>
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<td>PD4-M-DALI/DSI-HVAC-FC - 92699</td>
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<td>Ø 24 m across / Ø 8 m towards / Ø 6.4 m seated</td>
</tr>
<tr>
<td></td>
<td>360°</td>
</tr>
<tr>
<td></td>
<td>IP20 / Class II</td>
</tr>
<tr>
<td></td>
<td>IR-PD-DALI-1C, IR-PD-DALI-Mini, IR-Adapter for Smartphones</td>
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<td></td>
<td><strong>Channel 1 (control the lighting)</strong></td>
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<td>up to 50 DALI / DSI EB</td>
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<tr>
<td></td>
<td>dry contact/NO – with tungsten pre-make contact</td>
</tr>
<tr>
<td></td>
<td>5 min - 120 min, alarm pulse or pulse</td>
</tr>
<tr>
<td></td>
<td>Mixed light measuring</td>
</tr>
</tbody>
</table>

**Product information:**
- Occupancy detector with extended detection area, daylight-dependent lighting control
- Master device
- DALI / DSI interface for control of digital dimmable electronic ballasts as a group
- One additional potential-free switching channel having innovative functions: totally switching off electronic ballasts when used for control of lighting or delay of the HVAC function when used for control of HVAC devices becomes possible
- Alarm pulse: the detector triggers only when three movements are detected within 9 seconds
- Detection area can be extended with Slave devices
- Factory settings 10 min and 500 Lux
**OCCUPANCY DETECTORS AS LIGHTING REGULATORS, DALI COMPACT**

**LARGE OFFICES / CONFERENCE ROOMS / CLASSROOMS / OPEN PLAN OFFICES**

<table>
<thead>
<tr>
<th>Area monitored: 452 m² across / 32 m² seated</th>
</tr>
</thead>
</table>

### Technical data
- **PD4-M-DUO-DALI/DSI-FC**
  - 92276
  - **Technical data**
    - approx. 1 W
    - 360°
    - Ø 24 m across / Ø 8 m towards / Ø 6.4 m seated
    - IP20 / Class II
    - IR-PD-DALI-E, IR-PD-DALI, IR-PD-DIM-Mini, IR-Adapter for Smartphones
    - **Channel 1 and Channel 2 (control the lighting)**
      - 2 x DALI, max. 25 DALI / DSI EB each channel
      - 1 min - 30 min
      - 10 - 2000 Lux
      - Mixed light measuring

### Product information:
- Occupancy detector for two separate lighting groups, daylight-dependent lighting control
- Master device
- One common detection area
- Two independent, movable light sensors
- 2 x DALI / DSI interface for control of digital dimmable electronic ballasts as a group
- Detection area can be extended with Slave devices

### Area monitored: 452 m² across / 32 m² seated

<table>
<thead>
<tr>
<th>Article</th>
</tr>
</thead>
<tbody>
<tr>
<td>PD4-M-DUO-DALI/DSI-FC</td>
</tr>
<tr>
<td>- 92276</td>
</tr>
</tbody>
</table>

---

### Technical data
- **PD4-M-TRIO-2DALI/DSI-1C-FC**
  - 92756
  - **Technical data**
    - approx. 1.4 W
    - 360°
    - Ø 24 m across / Ø 8 m towards / Ø 6.4 m seated
    - IP20 / Class II
    - SM= IP20 (with socket IP54) FC= IP20 / Class II
    - IR-PD4-TRIO-DALI, IR-Adapter for Smartphones
    - **Channel 1 and Channel 2 (control the lighting)**
      - 2 x DALI, max. 25 DALI / DSI EB each channel
      - 1 min - 60 min
      - 10 - 2000 Lux
      - Mixed light measuring
    - **Channel 3 (control the lighting and control HVAC potential free)**
      - 3000 W, cos φ = 1
      - 1500 VA, cos φ = 0.5
      - dry contact/NO – with tungsten pre-make contact
      - 1 min - 60 min
      - 10 - 2000 Lux
      - Mixed light measuring

### Product information:
- Occupancy detector for two separate lighting groups, daylight-dependent lighting control
- Master device
- One potential-free switching channel for control of equipment (HVAC) or lighting
- Two independent, movable light sensors
- One common detection area
- 2 x DALI / DSI interface for control of digital dimmable electronic ballasts as a group
- Detection area can be extended with Slave devices
CORRIDORS / HALLWAYS

<table>
<thead>
<tr>
<th>Article</th>
<th>Area monitored: 250 m²</th>
</tr>
</thead>
<tbody>
<tr>
<td>PD4-M-DALI/DSI-C-FC - 92328</td>
<td></td>
</tr>
<tr>
<td>PD4-M-DALI/DSI-C-SM - 92530</td>
<td></td>
</tr>
</tbody>
</table>

**Product information:**
- Occupancy detector designed for corridors, daylight-dependent lighting control
- Master device
- DALI / DSI interface for control of digital dimmable electronic ballasts as a group
- Detection area can be extended with Slave devices
- Factory settings 10 min and 500 Lux

**Technical data:**
- **Power:** 0.9 W
- **Field of View:** 360°
- **Coverage:** Ø 40 m across / Ø 20 m towards
- **Mandatory mounting height:** 2.4 m - 2.6 m
- **Protection:** SM= IP20 (with socket IP54) FC= IP20 / Class II
- **Compatible:** IR-PD-DALI-E, IR-PD-DALI, IR-PD-DALI-LD, IR-PD-DALI-Mini, IR-Adapter for Smartphones

**Channel 1 (control the lighting):**
- **Control range:** up to 50 DALI / DSI EB
- **Dimming range:** 1 min - 30 min
- **Luminance range:** 10 - 2000 Lux
- **Lighting:** Mixed light measuring
STAND-ALONE ADDRESSABLE DALI DETECTOR

Area monitored: 452 m² across / 32 m² seated

Technical data
- approx. 1 W
- 360°
- Ø 24 m across
- Ø 8 m towards
- Ø 6.4 m seated
- FC=IP20 SM=IP20 (with socket IP44) / Class II
- IR-Adapter for Smartphones
- DALI control:
  - 1 - 64 DALI EB, max. 150 mA
  - 1 min - 150 min (light zones)
  - 10 - 2000 Lux
- Relay (potential free NO):
  - 2300 W, cos θ = 1
  - 1150 VA, cos θ = 0.5
- dry contact/NO – with tungsten pre-make contact
- 5 min - 120 min (HVAC)
- Mixed light measuring

Product information:
- Flexible compact DALI solution designed for conference rooms, training rooms and classrooms
- High-sensitivity occupancy detector with the capability to address up to 64 DALI electronic ballasts (ECG) automatically, with segmented control via 4 groups
- Quick commissioning and maintenance processes with smartphone/tablet app (Android, iOS) - PC tool not required
- 3 lighting zones: A for main lighting with segmented constant light regulation via 3 DALI groups and offset control, B for lectern or blackboard lighting via separate DALI group, C for lectern or blackboard lighting by integrated relay
- High performance switching relay with various operating modes, e.g. cutoff function for DALI ECG, HVAC, blackboard lighting etc.
- Detection area can be extended with up to four Slave devices of type PD4-S-DAA4G
- Full range of functions can only be activated with the B.E.G. IR-Adapter and a smartphone or tablet (Android, iOS)

Example: Classroom with two window facades, controlled by PD4-DAA4G

Lighting zone A (Group 1-3):
- Main lighting, full automatic, 500 Lux, 10 minutes follow-up time
- DALI Group 1: Dark areas 100%
- DALI Group 2: Neutral areas 90%
- DALI Group 3: Light areas 75%

Lighting zone B (Group 4):
- Accent lighting for laboratory desk, dimmable via DALI Group 4, semi-automatic

Lighting zone C:
- Blackboard lighting (via relay), semi-automatic
Increased convenience in buildings - with bus solutions from B.E.G.

An intelligent building is created using sensors from B.E.G.

Building automation is becoming ever more popular, as it enables greater energy efficiency and can also offer improved convenience to the people in the building through automated control of connected loads.

For example, blinds can be adjusted automatically according to the angle of the sun, in winter the building can be comfortably warm on first arriving, and not only can lighting be regulated, but lighting scenes can be programmed, so that the right lighting is always provided in different locations within a single building.

B.E.G. offers occupancy detectors for various bus systems and applications, e.g. KNX, LON or proprietary systems.
**Addressable DALI Detector**

**Area monitored:** 63 m² across / 7 m² seated

**Technical data:**
- 7mA
- Circular, 360°
- Ø 9 m across / Ø 6 m towards / Ø 3 m seated
- Recommended mounting height 2.5 m
- IP = IP20 / Class II
- B.E.G. PC tool, B.E.G. DALI-Router, B.E.G. Bluetooth App, DIP switch, HEX switch
- 1 min - 150 min
- 10 - 2000 Lux
- Mixed light measuring

**Product information:**
- Low profile DALI occupancy detector (visible height: 0.85 mm)
- Seamless integration in B.E.G. LUXOMAT® net DALI SYSTEM
- Multimaster-capable with Slave function
- Semi-automatic, fully automatic or twilight switch
- Integrated daylight harvesting circuit (or switch output)
- DIP switches and HEX switches for quick commissioning with basic functionality
- Works out-of-the-box in broadcast mode for easy installation check
- Spring-clamps and clamp ring for easy and time-saving installation into false ceilings or directly built into light fittings, with accessory also suitable for in-wall sockets
- Full range of functions can only be activated with other products of the product group B.E.G. LUXOMAT® net DALI SYSTEM
### DETECTOR FOR MULTIPLE APPLICATIONS

**Area monitored:** 79 m² across / 13 m² seated

**Technical data**

<table>
<thead>
<tr>
<th>Article</th>
<th>Technical data</th>
</tr>
</thead>
<tbody>
<tr>
<td>PD2-KNX-FC - 92881</td>
<td><img src="image1" alt="Diagram" /></td>
</tr>
<tr>
<td>PD2-KNX-SM - 92880</td>
<td><img src="image2" alt="Diagram" /></td>
</tr>
<tr>
<td>PD2-KNX-FM - 92882</td>
<td><img src="image3" alt="Diagram" /></td>
</tr>
</tbody>
</table>

**Product information:**
- KNX occupancy detector with integrated KNX bus connector
- Up to three additional switching channels – selectively either daylight-depending or not
- Set values and follow-up times can be changed for all channels using communication objects
- Burn-in function with adjustable burn-in time from 1 to 100 hours

**Area monitored:** 64 m² across / 7 m² seated

**Technical data**

<table>
<thead>
<tr>
<th>Article</th>
<th>Technical data</th>
</tr>
</thead>
<tbody>
<tr>
<td>PD9-KNX-FC - 92890</td>
<td><img src="image4" alt="Diagram" /></td>
</tr>
</tbody>
</table>

**Product information:**
- KNX Mini occupancy detector with integrated KNX bus connector
- Up to three additional switching channels – selectively either daylight-depending or not
- Set values and follow-up times can be changed for all channels using communication objects
- Burn-in function with adjustable burn-in time from 1 to 100 hours

**Area monitored:** 79 m² across / 13 m² seated

**Technical data**

<table>
<thead>
<tr>
<th>Article</th>
<th>Technical data</th>
</tr>
</thead>
<tbody>
<tr>
<td>PD11-KNX-FLAT-FC - 92893</td>
<td><img src="image5" alt="Diagram" /></td>
</tr>
</tbody>
</table>

**Product information:**
- Low profile KNX occupancy detector with integrated KNX bus connector
- Up to three additional switching channels – selectively either daylight-depending or not
- Set values and follow-up times can be changed for all channels using communication objects.
- Burn-in function with adjustable burn-in time from 1 to 100 hours
- Spring clips for quick and easy installation in suspended ceilings

---

**Area monitored:** 10 m across / Ø 6 m towards / Ø 4 m seated

**Technical data**

- SM = IP20 FC = IP20 FM = IP20 / Class II
- IR-PD-KNX, IR-Adapter for Smartphones
- 5 - 1200 Lux
- Mixed light measuring
## DETECTOR FOR MULTIPLE APPLICATIONS

### Technical data

**Area monitored:** 452 m² across / 32 m² seated

<table>
<thead>
<tr>
<th>Article</th>
<th>Technical data</th>
</tr>
</thead>
<tbody>
<tr>
<td>PD4-KNX-FC - 92884</td>
<td><img src="image1.png" alt="Image" /> 7mA 360° Ø 24 m across / Ø 6.4 m seated</td>
</tr>
<tr>
<td>PD4-KNX-SM - 92883</td>
<td>IP20 FC= IP20 FM= IP20 / Class II</td>
</tr>
<tr>
<td>PD4-KNX-FM - 92885</td>
<td>IR-PD-KNX, IR-Adapter for Smartphones</td>
</tr>
<tr>
<td></td>
<td>5 - 1200 Lux Mixed light measuring</td>
</tr>
</tbody>
</table>

**Product information:**

- KNX occupancy detector with extended detection area and integrated KNX bus connector
- Up to three additional switching channels – selectively either daylight-dependent or not
- Set values and follow-up times can be changed for all channels using communication objects
- Burn-in function with adjustable burn-in time from 1 to 100 hours

### Technical data

**Area monitored:** 250 m²

<table>
<thead>
<tr>
<th>Article</th>
<th>Technical data</th>
</tr>
</thead>
<tbody>
<tr>
<td>PD4-KNX-C-FC - 92887</td>
<td><img src="image2.png" alt="Image" /> 7mA 360° Ø 40 m across / Ø 20 m towards</td>
</tr>
<tr>
<td>PD4-KNX-C-SM - 92886</td>
<td>IP20 FC= IP20 FM= IP20 / Class II</td>
</tr>
<tr>
<td>PD4-KNX-C-FM - 92888</td>
<td>IR-PD-KNX, IR-Adapter for Smartphones</td>
</tr>
<tr>
<td></td>
<td>5 - 1200 Lux Mixed light measuring</td>
</tr>
</tbody>
</table>

**Product information:**

- KNX occupancy detector designed for corridors and integrated KNX bus connector
- Up to three additional switching channels – selectively either daylight-dependent or not
- Set values and follow-up times can be changed for all channels using communication objects
- Burn-in function with adjustable burn-in time from 1 to 100 hours

### Technical data

**Area monitored:** 447 m²

<table>
<thead>
<tr>
<th>Article</th>
<th>Technical data</th>
</tr>
</thead>
<tbody>
<tr>
<td>PD4-KNX-GH-SM - 92889</td>
<td><img src="image3.png" alt="Image" /> 7mA oval 360° max. Ø 30 m towards</td>
</tr>
<tr>
<td></td>
<td>IP20 / Class II</td>
</tr>
<tr>
<td></td>
<td>IR-PD-KNX, IR-Adapter for Smartphones</td>
</tr>
<tr>
<td></td>
<td>5 - 1200 Lux Mixed light measuring</td>
</tr>
</tbody>
</table>

**Product information:**

- KNX occupancy detector designed for high-bay warehouses, with integrated KNX bus connector
- Up to three additional switching channels – selectively either daylight-dependent or not
- Set values and follow-up times can be changed for all channels using communication objects
- Burn-in function with adjustable burn-in time from 1 to 100 hours
- When used in high-bay warehouses, care should be taken that, in the cross-aisles of the warehouse, detectors are installed that can detect movement only in the desired aisle locations, by using blinds or other technical arrangements.
## DETECTOR FOR MULTIPLE APPLICATIONS

### Area monitored: 79 m²

<table>
<thead>
<tr>
<th>Product information:</th>
</tr>
</thead>
<tbody>
<tr>
<td>· KNX mini occupancy detector with integrated bus connector, for high-bay applications</td>
</tr>
<tr>
<td>· Up to three additional switching channels – selectively either daylight-depending or not</td>
</tr>
<tr>
<td>· Set values and follow-up times can be changed for all channels using communication objects</td>
</tr>
<tr>
<td>· Burn-in function with adjustable burn-in time from 1 to 100 hours</td>
</tr>
</tbody>
</table>

### Technical data

<table>
<thead>
<tr>
<th>A</th>
<th>7mA</th>
</tr>
</thead>
<tbody>
<tr>
<td>360°</td>
<td></td>
</tr>
<tr>
<td>max. Ø 6 m</td>
<td></td>
</tr>
<tr>
<td>Light control feasible up to 5 m</td>
<td></td>
</tr>
<tr>
<td>IP20 / Class II</td>
<td></td>
</tr>
<tr>
<td>IR-PD-KNX, IR-Adapter for Smartphones</td>
<td></td>
</tr>
<tr>
<td>5 - 1200 Lux</td>
<td></td>
</tr>
</tbody>
</table>

### Article Technical data

<table>
<thead>
<tr>
<th>B.E.G. RC PD9-KNX-GH-FC - 92891</th>
</tr>
</thead>
<tbody>
<tr>
<td>10 m</td>
</tr>
<tr>
<td>6m</td>
</tr>
<tr>
<td>A</td>
</tr>
<tr>
<td>7mA</td>
</tr>
<tr>
<td>360°</td>
</tr>
<tr>
<td>max. Ø 6 m</td>
</tr>
<tr>
<td>Light control feasible up to 5 m</td>
</tr>
<tr>
<td>IP20 / Class II</td>
</tr>
<tr>
<td>IR-PD-KNX, IR-Adapter for Smartphones</td>
</tr>
<tr>
<td>5 - 1200 Lux</td>
</tr>
</tbody>
</table>

### Product information:

| · KNX mini occupancy detector with integrated bus connector, for high-bay applications |
| · Up to three additional switching channels – selectively either daylight-depending or not |
| · Set values and follow-up times can be changed for all channels using communication objects |
| · Burn-in function with adjustable burn-in time from 1 to 100 hours |

### Article Technical data

<table>
<thead>
<tr>
<th>B.E.G. RC Indoor 180-KNX - 92892</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.10 m – 2.20 m</td>
</tr>
<tr>
<td>180°</td>
</tr>
<tr>
<td>12 m</td>
</tr>
<tr>
<td>3m</td>
</tr>
<tr>
<td>10 m</td>
</tr>
<tr>
<td>A</td>
</tr>
<tr>
<td>7mA</td>
</tr>
<tr>
<td>180°</td>
</tr>
<tr>
<td>max. 10 m</td>
</tr>
<tr>
<td>Mounting height max. 2.2 m</td>
</tr>
<tr>
<td>IP20 / Class II</td>
</tr>
<tr>
<td>IR-PD-KNX, IR-Adapter for Smartphones</td>
</tr>
<tr>
<td>5 - 1200 Lux</td>
</tr>
</tbody>
</table>

### Product information:

| · KNX wall occupancy detector with integrated KNX bus connector |
| · Up to three additional switching channels – selectively either daylight-depending or not |
| · Set values and follow-up times can be changed for all channels using communication objects |
| · Burn-in function with adjustable burn-in time from 1 to 100 hours |
| · For use with covering (interior cover dimensions 50x50mm) in 5 different colours |

### Article Technical data

<table>
<thead>
<tr>
<th>B.E.G. RC-plus next 230 KNX - 92894</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.50 m</td>
</tr>
<tr>
<td>40 m</td>
</tr>
<tr>
<td>20 m</td>
</tr>
<tr>
<td>6m</td>
</tr>
<tr>
<td>20 m</td>
</tr>
<tr>
<td>A</td>
</tr>
<tr>
<td>7mA</td>
</tr>
<tr>
<td>230°</td>
</tr>
<tr>
<td>max. 20 m when walking across (tangential)</td>
</tr>
<tr>
<td>Polycarbonat, UV-beständig</td>
</tr>
<tr>
<td>IR-PD-KNX, IR-Adapter for Smartphones</td>
</tr>
<tr>
<td>5 - 1200 Lux</td>
</tr>
</tbody>
</table>

### Product information:

| · KNX motion detector with integrated KNX bus connector |
| · Switching mode, control mode, slave mode, occupancy-independent regulating mode |
| · Set values and follow-up times can be changed for all channels using communication objects |
| · Up to three additional switching channels – selectively either daylight-depending or not |
| · Burn-in function with adjustable burn-in time from 1 to 100 hours |
| · Wall, ceiling and corner mounting |
| · Factory settings 3 min and 20 Lux |
## LUX AND TEMPERATURE: 0-10 V / SMALL OFFICES / RECEPTION AREAS

### Area monitored: 79 m² across / 13 m² seated

<table>
<thead>
<tr>
<th>Article</th>
<th>Technical data</th>
</tr>
</thead>
<tbody>
<tr>
<td>PD2N-LTMS-FC - 92113</td>
<td><strong>Power</strong>&lt; 1 W</td>
</tr>
<tr>
<td>PD2N-LTMS-RR-FC - 92119</td>
<td><strong>360°</strong></td>
</tr>
<tr>
<td>PD2N-LTMS-FC - 92113</td>
<td><strong>Ø 10 m across / Ø 6 m towards / Ø 4 m seated</strong></td>
</tr>
<tr>
<td>PD2N-LTMS-RR-FC - 92119</td>
<td><strong>IP20 / Class II</strong></td>
</tr>
<tr>
<td>PD2N-LTMS-FC - 92113</td>
<td><strong>0°C – +50°C, 0-10 V, approx. 200 mV/°C</strong></td>
</tr>
<tr>
<td>PD2N-LTMS-RR-FC - 92119</td>
<td><strong>IR-LTMS, IR-Adapter for Smartphones</strong></td>
</tr>
<tr>
<td>PD2N-LTMS-FC - 92113</td>
<td><strong>Channel 1</strong></td>
</tr>
<tr>
<td>PD2N-LTMS-RR-FC - 92119</td>
<td><strong>Relay (potential free contact NO), 16 - 48 V DC, 3A, cos φ = 1</strong></td>
</tr>
<tr>
<td>PD2N-LTMS-FC - 92113</td>
<td><strong>15 sec - 30 min</strong></td>
</tr>
<tr>
<td>PD2N-LTMS-RR-FC - 92119</td>
<td><strong>Mixed light measuring</strong></td>
</tr>
</tbody>
</table>

### Product information:
- For integration into proprietary bus system
- Output of the current light and temperature value as analog voltage
- Output of motion detection via switch contact
- Fine adjustment of output values for light measurement and temperature via potentiometer on device

### Area monitored: 452 m² across / 32 m² seated

<table>
<thead>
<tr>
<th>Article</th>
<th>Technical data</th>
</tr>
</thead>
<tbody>
<tr>
<td>PD4N-LTMS-RR-FC - 92709</td>
<td><strong>Power</strong>&lt; 1 W</td>
</tr>
<tr>
<td>PD4N-LTMS-RR-FC - 92709</td>
<td><strong>360°</strong></td>
</tr>
<tr>
<td>PD4N-LTMS-RR-FC - 92709</td>
<td><strong>Ø 24 m across / Ø 8 m towards / Ø 6.4 m seated</strong></td>
</tr>
<tr>
<td>PD4N-LTMS-RR-FC - 92709</td>
<td><strong>IP20 / Class II</strong></td>
</tr>
<tr>
<td>PD4N-LTMS-RR-FC - 92709</td>
<td><strong>0°C – +50°C, 0-10 V, approx. 200 mV/°C</strong></td>
</tr>
<tr>
<td>PD4N-LTMS-RR-FC - 92709</td>
<td><strong>IR-LTMS, IR-Adapter for Smartphones</strong></td>
</tr>
<tr>
<td>PD4N-LTMS-RR-FC - 92709</td>
<td><strong>Channel 1</strong></td>
</tr>
<tr>
<td>PD4N-LTMS-RR-FC - 92709</td>
<td><strong>Relay (potential free contact NO), 0 - 48 V DC, 100 mA</strong></td>
</tr>
<tr>
<td>PD4N-LTMS-RR-FC - 92709</td>
<td><strong>1 sec - 30 min with potentiometer</strong></td>
</tr>
<tr>
<td>PD4N-LTMS-RR-FC - 92709</td>
<td><strong>with remote control 5 sec - 60 min or pulse</strong></td>
</tr>
<tr>
<td>PD4N-LTMS-RR-FC - 92709</td>
<td><strong>Mixed light measuring</strong></td>
</tr>
</tbody>
</table>

### Product information:
- For integration into proprietary bus system
- Output of the current light and temperature value as analog voltage
- Output of motion detection via switch contact
- Fine adjustment of output values for light measurement and temperature via potentiometer on device
B.E.G. Brück Electronic GmbH – a company with a tradition

Since 40 years, the family company founded in 1975 with its headquarters in Lindlar (near cologne) stands for quality and innovation with customer satisfaction at its heart.

The foundation stone of the products within the comprehensive range was the development and production of emergency lights. Shortly thereafter the production of emergency lighting systems followed.

B.E.G. was one of the first companies in Germany to commence the production of motion detectors and automatic lights in 1986. Since then, B.E.G. has produced several generations of motion detectors mainly for outdoor use on buildings that help increase security. The growth in automated systems for buildings and the resulting increase in the demand for intelligent control led to an expansion in our range of daylight- and presence-depending occupancy detection. The cost reduction through energy saving and the protection of the environment plus the additional comfort factor are strong arguments for the use of occupancy detectors.

The purpose-built distribution and logistics centre with an attached production and development unit in Lindlar was commissioned in 2007.

In 2014, the administration building has been built next to the distribution and production centre. Naturally, the new centre’s building services are equipped with devices from the B.E.G. range: all rooms and passages are fitted with KNX occupancy detectors. For controlling DALI lights, occupancy detectors, blinds and light switches, the self-developed KNX Room Controller RCT is used. The market for energy-efficient products, such as B.E.G.’s occupancy detectors, has been growing strongly for years. The new administration centre and its location next to the logistics centre offer the possibility to continue B.E.G.’s expansion.

B.E.G. has an excellent reputation all over Germany and internationally with a steadily increasing number of offices and representatives in many countries around the world.

In order to offer the customers a clear product structure, the product range has been divided into six product lines (LUXOMAT®, LUXOMATIC®, LUXOMAT® net, SAFETYLUX®, CHRONOLUX and B.E.G. SMARTHOM®). They emphasise B.E.G.’s strengths: a broad product range, individual solutions, outstanding quality, and personal service. B.E.G. – The lighting control professionals.