

# **B.E.G.** *The flexible solution*

## **CONDENSED CATALOGUE**

▪ [www.beg-luxomat.com](http://www.beg-luxomat.com) ▪



## Legend

- Tensión
- Detection area
- Switching power
- Range (approx.) in m
- Time settings
- Lux value
- Degree of protection
- Dimensions
- Ambient temperature
- Housing
- Remote controllable
- Microphon
- Frequency

## Mounting versions

- SM** Surface mounting
- FC** Flush mounting
- C** Corridor
- GH** Great Hight
- M** Master
- S** Slave
- 1C** 1 channel
- 2C** 2 channels



## 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-dependent 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.

In 2014, the new 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 newly-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.

In order to offer the customers a clear product structure, the product range has been divided into six product lines: **LUXOMAT®**, **LUXOMATIC®**, **B.E.G. KNX®**, **B.E.G. SMARTHOMÉ®**, **SAFETYLUX®** and **CHRONOLUX®**. They emphasise **B.E.G.**'s strengths: a broad product range, individual solutions, outstanding quality, and personal service.

**B.E.G.** – *The flexible solution.*

Today, **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.

Index	Page
Motion detectors for outdoor use	3
Ceiling mounted motion detectors	7
Lights and photocells	25
Time switches	32
SMARTHOMÉ	37

## LUXOMAT® Motion detectors for exterior wall and ceiling mounting



■ Simply better – for energy saving, security and convenience

### Motion detectors with modern sensor technology

LUXOMAT® RC-plus next and LC-plus 280 – these **B.E.G.** exterior motion detectors offer security and convenience in the areas that they cover. They can quickly and easily be adjusted to requirements on the spot: adjustment controls for mechanical range and dials for twilight and time adjustment are located underneath the sensor head. Blinds can be used to restrict the detection area so that only the desired area is covered. For example, they can be used to filter out a side road leading past the area. If requirements should change, settings can be altered according to demand.

For more convenience compared to a dial, changes of settings and activation of additional functions can be made by the optional LUXOMAT® IR-RC or IR-LC-plus remote controllers. Changes can therefore be made without the inconvenience of climbing a ladder. Adjustments to changes in requirements can be accomplished with a few button presses.

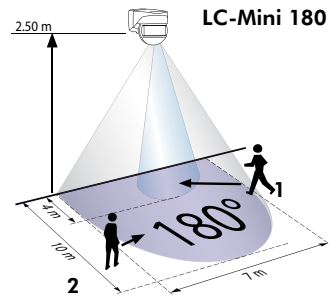
Index	Page
LC-Mini 120/180	4
LC-Click-N 140/200	4
LC-Plus 280	5
RC-plus next	6



**LUXOMAT® LC-Mini 120 and LC-Mini 180 – The attractive offer**



- 230V~ ±10%
- 120° / 180°
- max. 10 m (tangential)
- IP44 / Class II / C €
- 25 °C to +50 °C
- Housing UV- and shock resistant polycarbonate
- Channel 1 (control the lighting)**
- 1000 W, cosφ = 1
- 4 s. - 10 min.
- 2 - 2000 Lux



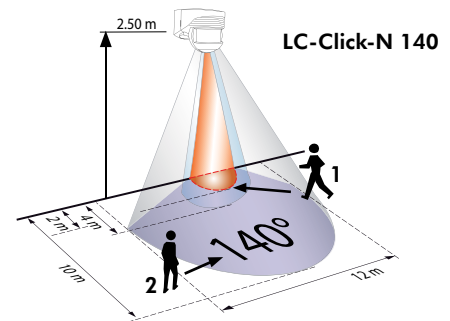
- 1** Walking across
- 2** Walking towards

Type	Colour	Part Number
LC-Mini 120	white	91051
LC-Mini 120	black	91071
LC-Mini 180	white	91052
LC-Mini 180	black	91072

**LUXOMAT® LC-Click-N 140 and LC-Click-N 200 – the very reasonable one**



- 110 - 240 VAC, 50/60 Hz
- 140° / 200° + 180°
- max. 12 m (across)
- IP54 / Class II / C €
- 25 °C to +50 °C
- Housing UV- and shock resistant polycarbonate
- Channel 1 (control the lighting)**
- 2000 W, cosφ = 1  
500 VA, cosφ = 0,5
- 4 s. - 10 min.
- 2 - 2000 Lux



- 1** Walking across
- 2** Walking towards
- Anti-creep

Type	Colour	Part Number
LC-Click-N 140	white	91001
LC-Click-N 140	brown	91011
LC-Click-N 140	black	91021
LC-Click-N 200	white	91002
LC-Click-N 200	brown	91012
LC-Click-N 200	black	91022

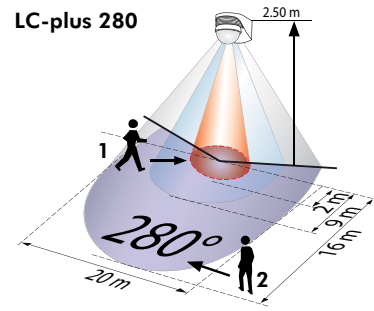
**Accessory**

Wire basket BSK	white	92467
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## LUXOMAT® LC-plus 280 – the middle class



- 110 - 240 VAC, 50/60 Hz
- 280°
- max. 20 m (across)
- IP44 / Class II / CEE
- 25 °C to +50 °C
- Housing UV- and shock resistant polycarbonate
- IR-LC-plus, IR-LC-Mini
- Channel 1 (control the lighting)**
- 2000 W,  $\cos\phi = 1$ ;  
1000 VA,  $\cos\phi = 0,5$
- 15 s. - 16 min. or impuls
- 10 - 2000 Lux



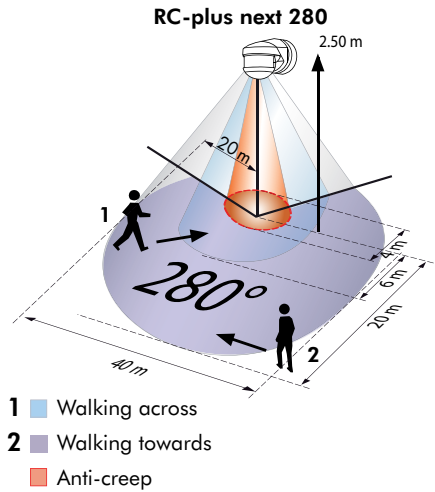
- 1** Walking across
- 2** Walking towards

Type	Colour	Part Number
LC-plus 280	white	91008
LC-plus 280	brown	91018
LC-plus 280	black	91028
LC-plus 280	silver	91048
<b>Accessory</b>		
Remote control IR-LC-Mini	grey	92093
Remote control IR-LC-plus	grey	92095
IR-RC-Adapter	grey	92726



**LUXOMAT® RC-plus next – the premium class**

- 110 - 240 VAC, 50/60 Hz
- 130°, 230° or 280°
- max. 20 m (across)
- IP54 / Class II / CE
- 25 °C to +50 °C
- Housing UV- and shock resistant polycarbonate
- IR-RC, IR-RC-Mini
- Channel 1 (control the lighting)**
- 3000 W,  $\cos\phi = 1$ ; 1500 VA,  $\cos\phi = 0,5$
- 15 s. - 16 min. or impuls
- 2 - 2000 Lux



Type	Colour	Part Number
RC-plus next 130	white	97001
RC-plus next 130	brown	97011
RC-plus next 130	black	97021
RC-plus next 230	white	97002
RC-plus next 230	brown	97012
RC-plus next 230	black	97022
RC-plus next 230	silver	97042
RC-plus next 280	white	97003
RC-plus next 280	brown	97013
RC-plus next 280	black	97023

Accessory		
Remote control IR-RC	grey	92000
Remote control IR-RC-Mini	grey	92090
IR-RC-Adapter	grey	92726
Socket base for corner mounting of RC-plus next	white	97004
Socket base for corner mounting of RC-plus next	brown	97014
Socket base for corner mounting of RC-plus next	black	97024
Socket base for corner mounting of RC-plus next	silver	97043

## LUXOMAT® Ceiling-mounted motion detectors for indoor use



■ Intelligent control –  
Light through motion

### For optimum light measurement

Motion detectors are designed to detect moving sources of heat in their detection area reliably. Upon detected movement, they switch the light automatically according to the ambient light. When no more movement is detected, the detector switches the light off after pre-set lag time has expired.

This is achieved by means of passive infrared technology (PIR): the detection area of the motion detector is divided into many smaller subsections. Within these subsections, the detector measures any heat radiation resulting, for example, from a creature. If there are temperature differences in several subsections caused by movement, these are detected by a sensor integrated in the detector.

The sensor itself does not emit any radiation and is therefore called “passive”.








The light is only switched on when needed, and so contributes to reduced power consumption.

Index	Page
<b>Motion detectors</b>	
PD3N-1C PD3N-1C Micro PD3N-1C-NO-FC	8
PD3N-2C PD4N-1C	9
PD4N-1C-C PD9-1C-FC PD9-1C-12-48 V	10
PD9-DIGI-FC Indoor 180	11
HF-MD1 HF-H-MD1 Standard	12




Index	Page
<b>Occupancy detectors</b>	
PD2-M-1C PD1N-M-2C	13
PD2-M-2C PD4-M-1C	14
PD4-M-2C-C PD4-M-1C-GH	15
PD4-M-1C-C PD4-M-2C-DUO	16
PD4-M-3C-TRIO Indoor 140-L	17
PD9-M-1C/-SDB-IP65	18
PICO-M-1C PD11-M-1C-FLAT	19
PD2-M-DIM PD4-M-DIM	20
PD4-M-DUO-DIM PD9-M-DIM	21
PD2-KNX PD4-KNX	22
PD9-KNX PD11-KNX-FLAT	23
PD2-M-DALI/DSI PD4-M-DALI/DSI	24

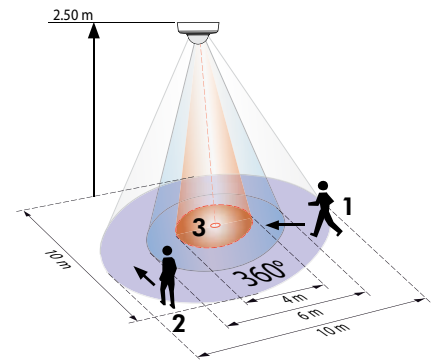
**LUXOMAT® PD3N-1C - 1 channel detector with additional functions**






-  110 - 240VAC, 50/60 Hz
-  360°
-  max. Ø 10 m (across)
-  SM = IP44; FC = IP23 / Class II / CE
-  -25 °C to +50 °C
-  Housing UV- and shock resistant polycarbonate
-  IR-PD3N, IR-PD-Mini

**Channel 1 (control the lighting)**

-  2300 W, cosφ = 1; 1150 VA, cosφ = 0,5
-  30 s. - 30 min. or impuls
-  10 - 2000 Lux



- 1**  Walking across
- 2**  Walking towards
- 3**  Smaller movements

Type	Colour	Part Number
PD3N-1C-SM	white	92190
PD3N-1C-FC	white	92196
PD3N-1C-SM Micro*	white	92219
PD3N-1C-FC Micro*	white	92184
PD3N-1C-NO-FC (Potential free contact)	white	92576
Accessory		
IR-RC-Adapter	grey	92726
Remote control IR-PD3N	grey	92105
Remote control IR-PD-Mini	grey	92159



## LUXOMAT® PD3N-2C – 2 channel detectors



FC



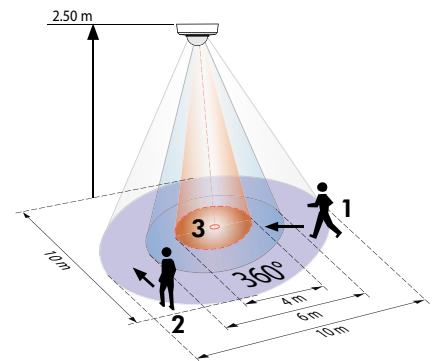
- 110 - 240VAC, 50/60 Hz
- $\bigcirc$  360°
- max.  $\varnothing$  10 m (across)
- FC = IP23 / Class II /  $\text{C}\epsilon$
- 25 °C to +50 °C
- Housing UV- and shock resistant polycarbonate
- IR-PD3N-2C, IR-PD-Mini

### Channel 1 (control the lighting)

- 2300 W,  $\cos\varphi = 1$ ;  
1150 VA,  $\cos\varphi = 0,5$
- 30 s. - 30 min. or impuls
- 10 - 2000 Lux

### Channel 2 (control device or HVAC)

- dry contact type NO, 3 A,  
230 V,  $\cos = 1$
- 5 - 120 min.



- 1 Walking across
- 2 Walking towards
- 3 Smaller movements

Type	Colour	Part Number
PD3N-2C-FC	white	92198
<b>Accessory</b>		
IR-RC-Adapter	grey	92726
Remote control IR-PD3N-2C	grey	92115
Remote control IR-PD-Mini	grey	92159

## LUXOMAT® PD4N-1C-SM and FC – Detector for large surfaces



SM



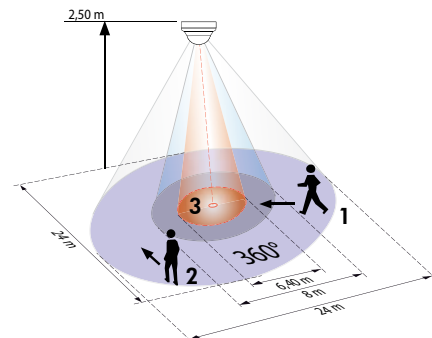
FC



- 110 - 240VAC, 50/60 Hz
- $\bigcirc$  360°
- max.  $\varnothing$  24 m (across)
- SM = IP44; FC = IP23;  
Class II /  $\text{C}\epsilon$
- 25 °C to +50 °C
- Housing UV- and shock resistant polycarbonate
- IR-PD3N, IR-PD-Mini

### Channel 1 (control the lighting)

- 2300 W,  $\cos\varphi = 1$ ;  
1150 VA,  $\cos\varphi = 0,5$
- 30 s. - 30 min. or impuls
- 10 - 2000 Lux



- 1 Walking across
- 2 Walking towards
- 3 Smaller movements

Type	Colour	Part Number
PD4N-1C-SM	white	92144
PD4N-1C-FC	white	92149
<b>Accessory</b>		
IR-RC-Adapter	grey	92726
Remote control IR-PD3N	grey	92105
Remote control IR-PD-Mini	grey	92159
Wire basket BSK	white	92199



SM

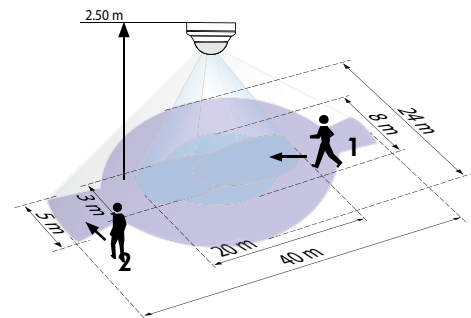


FC



**LUXOMAT® PD4N-1C-C-SM and -FC – Detector for corridors**

- 110 - 240VAC, 50/60Hz
- 360°
- max. Ø 40 m (across)
- SM = IP44; FC = IP23 / Class II / CE
- 25 °C to +50 °C
- Housing UV- and shock resistant polycarbonate
- IR-PD3N, IR-PD-Mini
- Channel 1 (control the lighting)**
- 2300 W, cosφ = 1; 1150 VA, cosφ = 0,5
- 30s. - 30 min. or impuls
- 10 - 2000 Lux

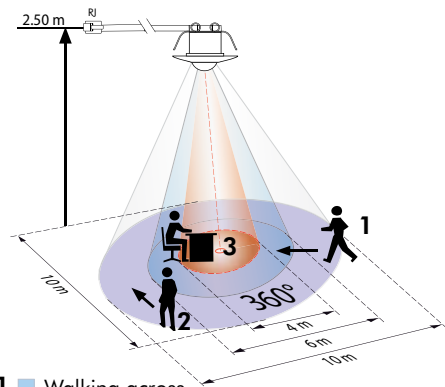


- 1 Walking across
- 2 Walking towards

Type	Colour	Part Number
PD4N-1C-C-SM	white	92270
PD4N-1C-C-FC	white	92274
Accessory		
IR-RC-Adapter	grey	92726
Remote control IR-PD3N	grey	92105
Remote control IR-PD-Mini	grey	92159

**LUXOMAT® PD9-1C-FC and PD9-1C-12-48V-FC – Mini detector 110 - 240 V and Version 12-48 V**

- 110 - 240VAC, 50/60 Hz (ref. 92902)
- 12-48 VAC/DC (ref. 92985)
- 360°
- max. Ø 10 m (across)
- IP20 / Class II / CE
- 25 °C to +50 °C
- Housing UV- and shock resistant polycarbonate
- Channel 1 (control the lighting)**
- 1000 W, cosφ = 1; 500 VA, cosφ = 0,5
- 30s. - 30 min. or impuls
- 10 - 2000 Lux



- 1 Walking across
- 2 Walking towards
- 3 Seated activity

Type	Colour	Part Number
PD9-1C-FC	white	92902
PD9-1C-12-48 V-FC	white	92985
Accessory		
Cover ring for PD9 (45 mm)	white, RAL9010	92238
Cover ring for PD9 (45 mm)	silver, RAL9006	92237
Cover ring for PD9 (45 mm)	anthracite, RAL7021	92235



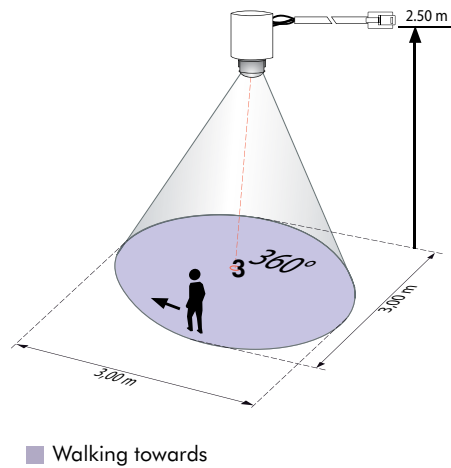
„Size comparison“



„Size comparison“

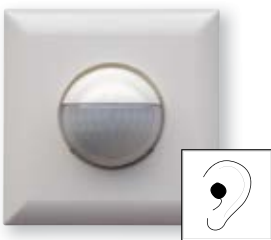
## LUXOMAT® PD9-DIGI-FC – Minidetector

- 230V~ ±10%
  - 360°
  - max. Ø 3 m (across)
  - IP20 / Class II / CEE
  - 25°C to +50°C
  - Housing UV- and shock resistant polycarbonate
- Channel 1 (control the lighting)**
- 1000 W, cosφ= 1;  
500 VA, cosφ= 0.5,
  - 30 s. - 30 min. or impulses



Type	Colour	Part Number
PD9-DIGI-FC	white	92917

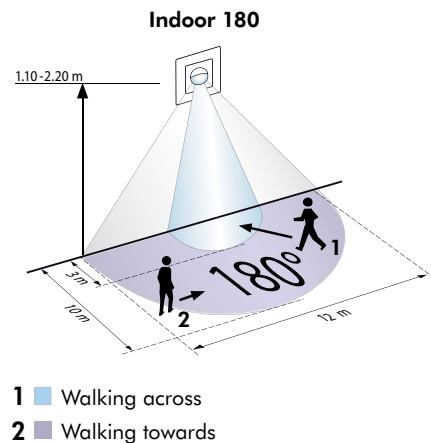
Indoor 180-R



Indoor 180-R, covering included

## LUXOMAT® Indoor 180 – Wall mounted detector

- 110 - 240 VAC, 50/60 Hz
  - 180°
  - max. 10 m (tangential)
  - IP20 / Class II / CEE
  - 25 °C to +50 °C
  - Housing UV- and shock resistant polycarbonate
- Channel 1 (control the lighting)**
- 180-R:** 2300 W, cosφ= 1  
**SC:** max. 200 mA/230 VAC
  - 180-R:** 15 s. - 16 min.  
**SC: Impulse duration:** 0,1s Suppression of light level threshold
  - 2 - 2000 Lux













Type	Colour	Part Number
Indoor 180-R, covering included	white	92610
Indoor 180-R/2 W fully fitted	white	92615

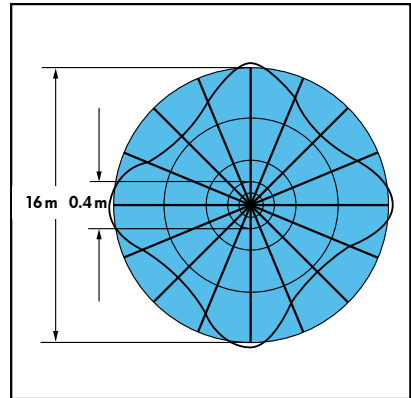
**LUXOMAT® HF-MD1 – Hidden high frequency detector**



**HF-MD1**

-  230 V~ ±10%
-  360°
-  de Ø 0,4 a 16 m (across)
-  IP20 / Class II / CEE
-  -15°C to +50°C
-  Housing UV- and shock resistant polycarbonate
- Channel 1 (control the lighting)**
-  1200 W, cosφ= 1
-  5 s. - 15 min..
-  2 - 2000 Lux
-  5,8 GHz, <10 mW

Technical instruction












■ Walking across o (across)

Type	Colour	Part Number
HF-MD1	white	94401

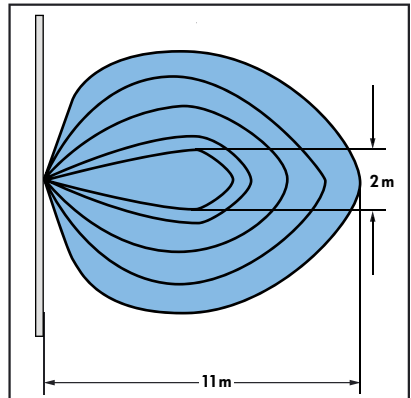
**LUXOMAT® HF-H-MD1 Standard – Hidden high frequency detector**



**HF-H-MD1 Standard**

-  230 V~ ±10%
-  de Ø 2 a 11 m (across)
-  IP20 / Class II / CEE
-  -35°C to +70°C
-  Housing UV- and shock resistant polycarbonate
- Channel 1 (control the lighting)**
-  1000 W, cosφ= 1
-  5 s. - 25 min.
-  2 - 30 Lux + ☀
-  5,8 GHz, <10 mW

Technical instruction



■ Walking across o (across)

Type	Colour	Part Number
HF-H-MD1 Standard	white	94431



## LUXOMAT® PD2-M-1C-SM and -FC – 1 channel ceiling-mounted detectors



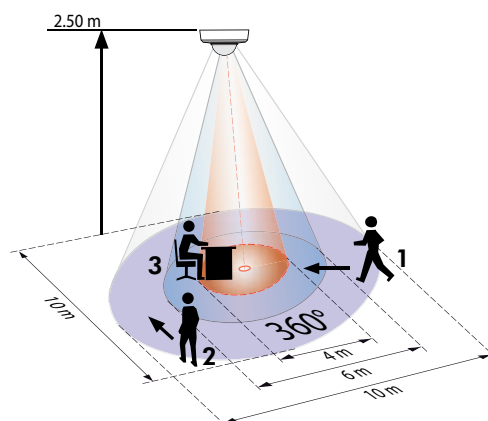
SM



FC



- 110 - 240VAC, 50/60 Hz
- 360°
- max. Ø 10 m (across)
- SM/FC = IP20 / Class II / C €
- 25 °C to +50 °C
- Housing UV- and shock resistant polycarbonate
- IR-PD-1C, IR-PD-Mini
- Channel 1 (control the lighting)**
- 2300 W, cosφ = 1; 1150 VA, cosφ = 0,5
- 15 s. - 30 min. or impuls
- 10 - 2000 Lux



- 1 Walking across
- 2 Walking towards
- 3 Seated activity

Type	Colour	Part Number
PD2-M-1C-SM (Master)	white	92550
PD2-M-1C-FC (Master)	white	92565
PD2-S-SM (Slave)	white	92152
<b>Accessory</b>		
IR-RC-Adapter	grey	92726
Remote control IR-PD-1C	grey	92520
Remote control IR-PD-Mini	grey	92159
Socket IP54 for PD2- and PD4-SM	white	92161

## LUXOMAT® PD1N-M-2C-SM and -FC – 2 channel ceiling-mounted detectors



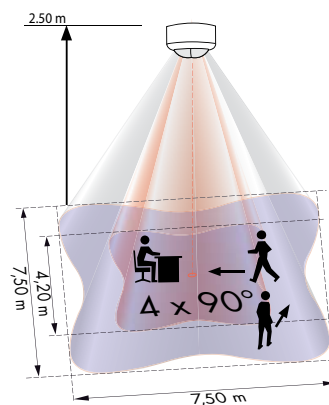
SM



FC



- 110 - 240VAC, 50/60 Hz
- 4 x 90°
- max. 7,50 x 7,50 m
- SM/FC = IP54/IP20 / Class II / C €
- 25 °C to +50 °C
- Housing UV- and shock resistant polycarbonate
- IR-PD-2C, IR-PD-Mini
- Channel 1 (control the lighting)**
- 2300 W, cosφ = 1; 1150 VA, cosφ = 0,5
- 15 s. - 30 min. or impuls
- 10 - 2000 Lux
- Channel 2 (control device or HVAC)**
- Dry contact type NO 3A, 230 V, cos φ = 1
- Alarm pulse, pulse or 5 - 120 min..



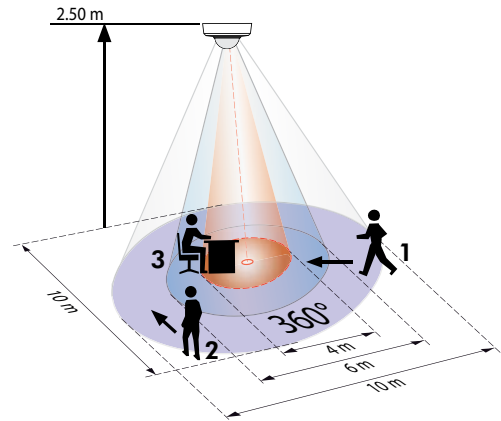
- 1 Walking across
- 2 Walking towards
- 3 Seated activity

Type	Colour	Part Number
PD1N-M-2C-SM (Master)	white	92877
PD1N-M-2C-FC (Master)	white	92874
PD1N-S-SM (Slave)	white	92878
<b>Accessory</b>		
IR-RC-Adapter	grey	92726
Remote control IR-PD-2C	grey	92475
Remote control IR-PD-Mini	grey	92159

**LUXOMAT® PD2-M-2C-SM and -FC – 2 channel occupancy detectors**



- 110 - 240 VAC, 50/60 Hz
- 360°
- max. Ø 10 m (across)
- SM/FC = IP20 / Class II / C€
- 25 °C to +50 °C
- Housing UV- and shock resistant polycarbonate
- IR-PD-2C, IR-PD-Mini
- Channel 1 (control the lighting)**
- 2300 W, cosφ= 1;  
1150 VA, cosφ= 0,5
- 15 s. - 30 min. or impuls
- 10 - 2000 Lux
- Channel 2 (control device or HVAC)**
- Dry contact type NO 3A,  
230 V, cos φ = 1
- Alarm pulse, pulse or  
5 - 120 min.



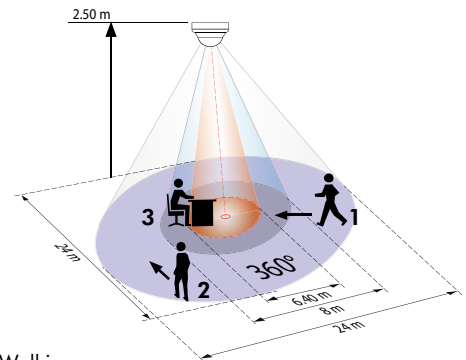
- 1** Walking across
- 2** Walking towards
- 3** Seated activity

Type	Colour	Part Number
PD2-M-2C-SM (Master)	white	92150
PD2-M-2C-FC (Master)	white	92165
PD2-S-SM (Slave)	white	92152
<b>Accessory</b>		
IR-RC-Adapter	grey	92726
Remote control IR-PD-2C	grey	92475
Remote control IR-PD-Mini	grey	92159

**LUXOMAT® PD4-M-1C-SM and -FC – Detector for large surfaces**



- 110 - 240 VAC, 50/60 Hz
- 360°
- max. Ø 24 m (across)
- IP20 / Class II / C€
- 25 °C to +50 °C
- Housing UV- and shock resistant polycarbonate
- IR-PD-1C, IR-PD-Mini
- Channel 1 (control the lighting)**
- 2300 W, cosφ= 1;  
1150 VA, cosφ= 0,5
- 15 s. - 30 min. or impuls
- 10 - 2000 Lux



- 1** Walking across
- 2** Walking towards
- 3** Seated activity

Type	Colour	Part Number
PD4-M-1C-SM (Master)	white	92580
PD4-M-1C-FC (Master)	white	92585
PD4-S-SM (Slave)	white	92142
<b>Accessory</b>		
IR-RC-Adapter	grey	92726
Remote control IR-PD-1C	grey	92520
Remote control IR-PD-Mini	grey	92159

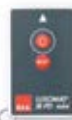
## LUXOMAT® PD4-M-2C-SM and -FC – 2 channel detectors



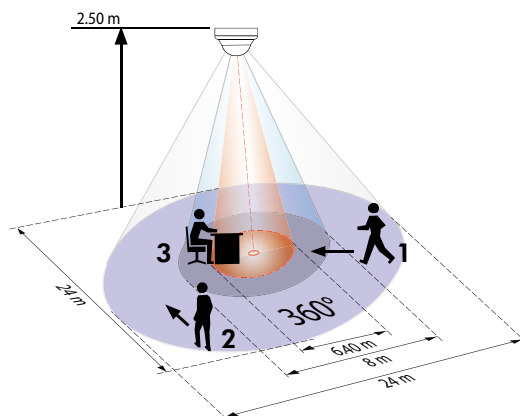
SM



FC



- 110 - 240 VAC, 50/60 Hz
- 360°
- max. Ø 24 m (across)
- SM = IP54; FC = IP20 / Class II / CE
- 25 °C to +50 °C
- Housing UV- and shock resistant polycarbonate
- IR-PD-2C, IR-PD-Mini
- Channel 1 (control the lighting)**
- 2300 W,  $\cos\phi = 1$ ;  
1150 VA,  $\cos\phi = 0,5$
- 15 s. - 30 min. or impuls
- 10 - 2000 Lux
- Channel 2 (control device or HVAC)**
- Dry contact type NO 3A,  
230 V,  $\cos\phi = 1$
- Alarm pulse, pulse or  
5 - 120 min.



- 1 Walking across
- 2 Walking towards
- 3 Seated activity

Type	Colour	Part Number
PD4-M-2C-SM (Master)	white	92140
PD4-M-2C-FC (Master)	white	92148
PD4-S-SM (Slave)	white	92142
<b>Accessory</b>		
IR-RC-Adapter	grey	92726
Remote control IR-PD-2C	grey	92475
Remote control IR-PD-Mini	grey	92159

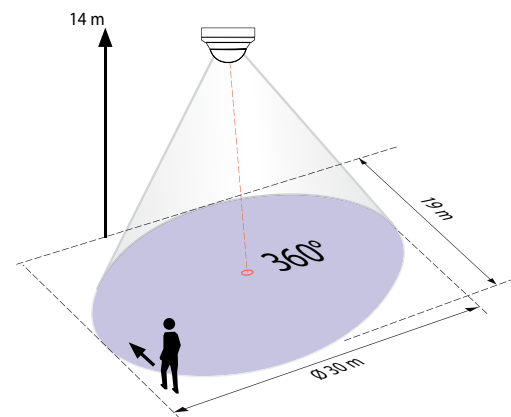
## LUXOMAT® PD4-M-1C-GH-SM – Detector for great heights



SM



- 110 - 240 VAC, 50/60 Hz
- 360°
- max. Ø 44 m (across)
- SM = IP20 / Class II / CE
- 25 °C to +50 °C
- Housing UV- and shock resistant polycarbonate
- IR-PD-LD
- Channel 1 (control the lighting)**
- 2300 W,  $\cos\phi = 1$ ;  
1150 VA,  $\cos\phi = 0,5$
- 15 s. - 30 min. or impuls
- 10 - 2000 Lux



Type	Colour	Part Number
PD4-M-1C-GH-SM (Master)	white	92245
PD4-S-GH-SM (Slave)	white	92265
<b>Accessory</b>		
IR-RC-Adapter	grey	92726
Remote control IR-PD-LD	grey	92479

**LUXOMAT® PD4-M-1C-C-SM and -FC – Detectors for corridors**



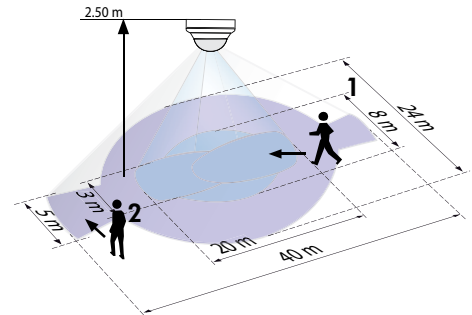
SM



FC



- 110 - 240 VAC, 50/60 Hz
- 360°
- max. Ø 40 m (across)
- SM = IP54; FC = IP20 / Class II / CE
- 25 °C to +50 °C
- Housing UV- and shock resistant polycarbonate
- IR-PD-1C, IR-PD-Mini
- Channel 1 (control the lightning)**
- 2300 W, cosφ = 1; 1150 VA, cosφ = 0,5
- 15 s. - 30 min. or impuls
- 10 - 2000 Lux



- 1 Walking across
- 2 Walking towards

Type	Colour	Part Number
PD4-M-1C-C-SM (Master)	white	92587
PD4-M-1C-C-FC (Master)	white	92586
PD4-S-1C-C-SM (Slave)	white	92442
<b>Accessory</b>		
IR-RC-Adapter	grey	92726
Remote control IR-PD-1C	grey	92520
Remote control IR-PD-Mini	grey	92159
Wall bracket for PD4-SM	white	92441

**LUXOMAT® PD4-M-2C-DUO-SM and -FC – Detector for two independent areas**



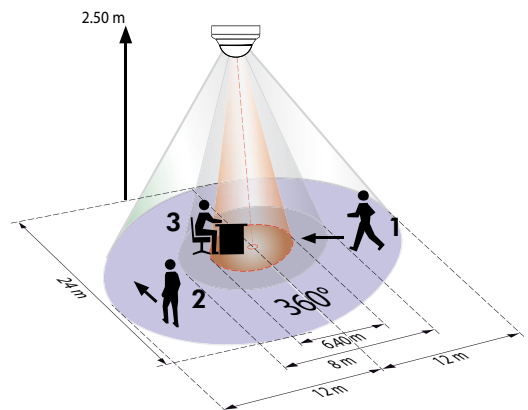
SM



FC



- 110 - 240 VAC, 50/60 Hz
- 360°
- max. Ø 24 m (across)
- SM = IP54; FC = IP20 / Class II / CE
- 25 °C to +50 °C
- Housing UV- and shock resistant polycarbonate
- IR-PD-DUO, IR-PD-Mini
- Canal 1 and Channel 2 (control the lightning)**
- 2300 W, cosφ = 1; 1150 VA, cosφ = 0,5
- 1 min. - 30 min.
- 10 - 2000 Lux



- 1 Walking across
- 2 Walking towards
- 3 Seated activity

Type	Colour	Part Number
PD4-M-2C-DUO-SM	white	92158
PD4-M-2C-DUO-FC	white	92251
<b>Accessory</b>		
IR-RC-Adapter	grey	92726
Remote control IR-PD-DUO	grey	92092
Remote control IR-PD-Mini	grey	92159



## LUXOMAT® PD4-M-3C-TRIO-SM and -FC – 3 channel detectors for classrooms



SM

FC

- 110 - 240 VAC, 50/60 Hz
- $\bigcirc$  360°
- max.  $\varnothing$  24 m (across)
- IP20 / Class II /  $\text{C}\epsilon$
- 25 °C to +50 °C
- Housing UV- and shock resistant polycarbonate
- IR-PD4-TRIO SWI

### Canal 1 and 2 (control the lighting)

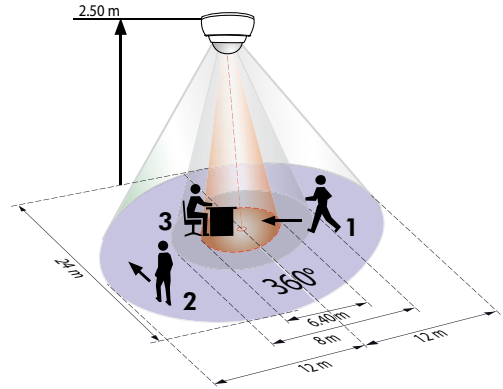
- 3000 W,  $\cos\varphi = 1$ ;  
1500 VA,  $\cos\varphi = 0,5$
- 1 min. - 60 min.

- 10 - 2000 Lux

### Channel 3 (control the lightning) for board illumination

- 3000 W,  $\cos\varphi = 1$ ;  
1500 VA,  $\cos\varphi = 0,5$
- 1 min. - 60 min.

- 10 - 2000 Lux



- 1 Walking across
- 2 Walking towards
- 3 Seated activity

Type	Colour	Part Number
PD4-M-3C-TRIO-SM	white	92740
PD4-M-3C-TRIO-FC	white	92745
Accessory		
IR-RC-Adapter	grey	92726
Remote control IR-PD4-TRIO SWI	grey	92102
Socket IP54 for PD4-TRIO-SM	white	92386

## LUXOMAT® Indoor 140-L – Wall mounted detector

**NEW!**

Indoor 140-L



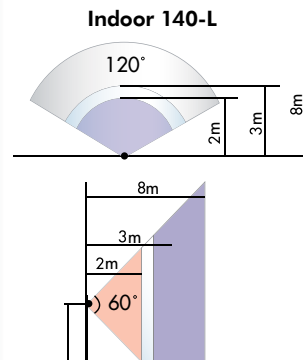
- 110 - 240 V AC , 50/ 60 Hz
- $\cup$  120°
- max. 8 m (across)
- recommended mounting height 1 - 1.2 m
- IP20 / Class II /  $\text{C}\epsilon$
- 25 °C to +50 °C

### Channel 1 (control the lighting)

- 2000 W,  $\cos\varphi = 1$   
1000 VA,  $\cos\varphi = 0,5$

- 15 s - 30 min.

- 10 - 2000 Lux



- Walking across
- Walking towards
- Smaller movements








Type	Colour	Part Number
Indoor 140-L covering included, fully fitted	-	94327

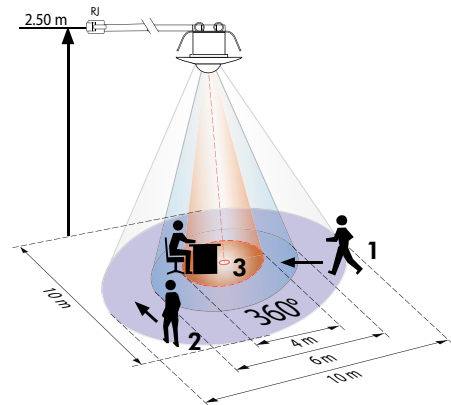
**LUXOMAT® PD9-M-1C and -SDB-IP65-FC – Mini detector and IP65 version**



„Size comparison“



-  110 - 240VAC, 50/60 Hz
-  360°
-  max. Ø 10 m (across)
-  IP20 / Class II / Cc (version SDB: IP65 / Class II)
-  -25 °C to +50 °C
-  Housing UV- and shock resistant polycarbonate
- PD9-M-1C:** IR-PD-1C, IR-PD-Mini
- PD9-M-1C-SDB-IP65:** IR-PD9, IR-PD-Mini
- Channel 1 (control the lighting)**  
all PD9 detectors are adjustable with remote control
- PD9-M-1C/-SDB-IP65:** 2300 W,  $\cos\varphi=1$ ; 1150 VA,  $\cos\varphi=0,5$
- PD9-M-1C:** 5 min. - 30 min. or impuls
- PD9-M-1C-SDB-IP65:** 15 s. - 30 min. or impuls
-  10 - 2000 Lux



- 1 Walking across
- 2 Walking towards
- 3 Seated activity

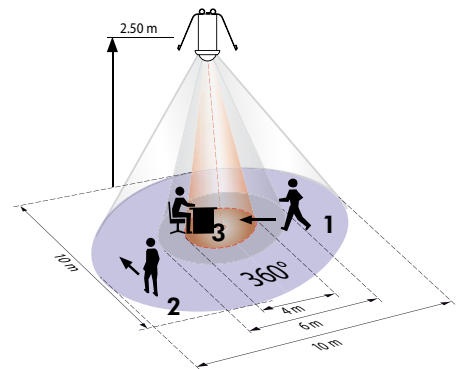
Type	Colour	Part Number
PD9-M-1C-FC (Master)	white	92900
PD9-S-FC (Slave)	white	92905
PD9-M-1C-SDB-IP65-FC (Master)	white	92912
<b>Accessory</b>		
IR-RC-Adapter	grey	92726
Remote control IR-PD-1C	grey	92520
Remote control IR-PD9	grey	92201
Remote control IR-PD-Mini	grey	92159

## LUXOMAT® PICO-M-1C – Mini detector with integrated power unit



'Size comparison'

- 110 - 240 VAC, 50/60 Hz
- 360°
- max. Ø 10 m (across)
- FC= IP65 / Class II
- 25 °C to +50 °C
- Housing UV- and shock resistant polycarbonate
- IR-PD-1C
- Channel 1 (control the lighting)**
- 2300 W,  $\cos\varphi=1$ ;  
1150 VA,  $\cos\varphi=0,5$
- 5 min. - 30 min. or impuls
- 10 - 2000 Lux



- 1 Walking across
- 2 Walking towards
- 3 Seated activity

Type	Colour	Part Number
PICO-M-1C-FC (Master)	white	92712
PICO-S-FC (Slave)	white	92700
<b>Accessory</b>		
IR-RC-Adapter	grey	92726
Remote control IR-PD-1C	grey	92520

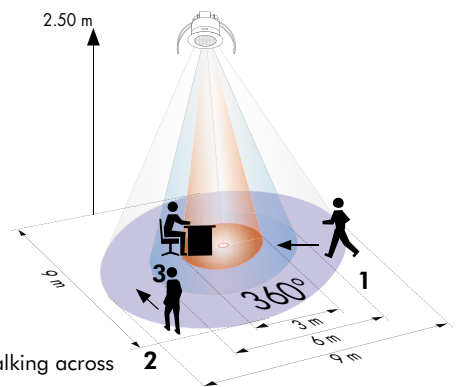


## LUXOMAT® PD11-M-1C-FLAT-FC – Ultra flat detector

**NEW!**



- 110-240 V AC , 50 / 60 Hz
- 360°
- max. Ø 9 m (across)
- IP20 / Class II
- 25 °C to +50 °C
- Housing UV- and shock resistant polycarbonate
- IR-PD-1C
- Channel 1 (control the lighting)**
- 2300 W,  $\cos\varphi=1$ ;  
1150 VA,  $\cos\varphi=0,5$
- 5 min. - 30 min. or impuls



- 1 Walking across
- 2 Walking towards
- 3 Seated activity

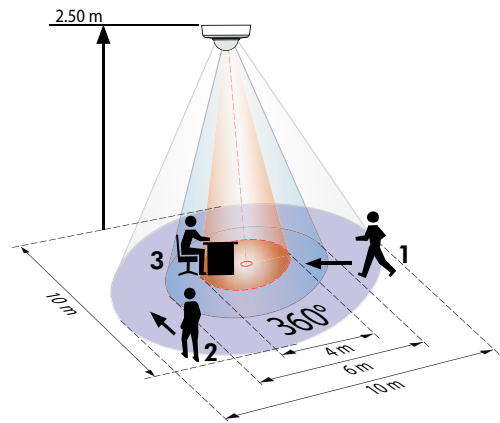
Type	Colour	Part Number
PD11-M-1C-FLAT-FC	white	92583
PD11-S-FLAT-FC	white	92593
<b>Accessory</b>		
IR-RC-Adapter	grey	92726
Remote control IR-PD-1C	grey	92520



**LUXOMAT® PD2-M-DIM-SM and -FC – Detector DIM 1-10V**



- 110 - 240VAC, 50/60 Hz
- 360°
- max. Ø 10 m (across)
- SM/FC = IP20 / Class II / C€
- 25 °C to +50 °C
- Housing UV- and shock resistant polycarbonate
- IR-PDim, IR-PD-DIM-Mini
- Channel 1 (control the lighting)**
- 2300 W, cosφ = 1; 1150 VA, cosφ = 0,5
- 1 min. - 30 min.
- 10 - 2000 Lux
- 1 - 10VDC



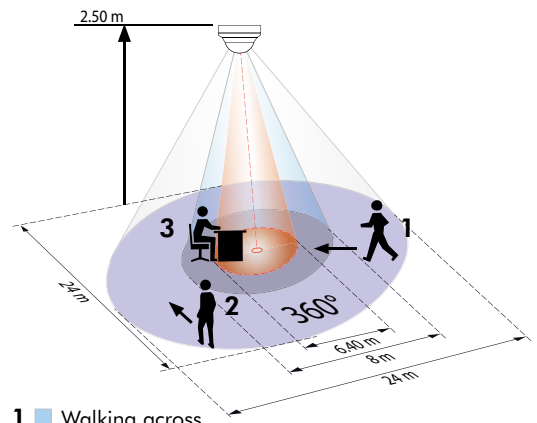
- 1** Walking across
- 2** Walking towards
- 3** Seated activity

Type	Colour	Part Number
PD2-M-DIM-SM	white	92153
PD2-M-DIM-FC	white	92167
<b>Accessory</b>		
IR-RC-Adapter	grey	92726
Remote control IR-PDim	grey	92200
Remote control IR-PD-DIM-Mini	grey	92098

**LUXOMAT® PD4-M-DIM-SM and -FC – Detector DIM 1-10V for large areas**



- 110 - 240VAC, 50/60 Hz
- 360°
- max. Ø 24,00 m
- SM= IP54, FC = IP20 / Class II / C€
- 25 °C to +50 °C
- Housing UV- and shock resistant polycarbonate
- IR-PDim, IR-PD-DIM-Mini
- Channel 1 (control the lighting)**
- 2300 W, cosφ = 1; 1150 VA, cosφ = 0,5
- 1 min. - 30 min.
- 10 - 2000 Lux
- 1 - 10VDC



- 1** Walking across
- 2** Walking towards
- 3** Seated activity

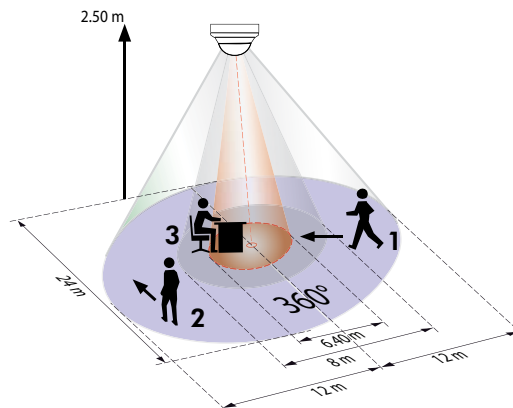
Type	Colour	Part Number
PD4-M-DIM-SM	white	92147
PD4-M-DIM-FC	white	92247
<b>Accessory</b>		
IR-RC-Adapter	grey	92726
Remote control IR-PDim	grey	92200
Remote control IR-PD-DIM-Mini	grey	92098



## LUXOMAT® PD4-M-DUO-DIM-SM and -FC – Detector DIM 1-10V – 2 detection zones



- 110 - 240VAC, 50/60 Hz
- 360°
- max. Ø 24 m (across)
- SM = IP44; FC = IP20 / Class II / C<sub>0</sub>
- 25 °C to +50 °C
- Housing UV- and shock resistant polycarbonate
- IR-PDim
- Canal 1 and Channel 2 (control the lightning)**
- 2300 W, cosφ = 1; 1150 VA, cosφ = 0,5
- 1 min. - 30 min.
- 10 - 2000 Lux
- 2 dim outputs 1-10 V DC, max. 50 EB



- 1 Walking across
- 2 Walking towards
- 3 Seated activity

Type	Colour	Part Number
PD4-M-DUO-DIM-SM	white	92271
PD4-M-DUO-DIM-FC	white	92272
Accessory		
IR-RC-Adapter	grey	92726
Remote control IR-PDim	grey	92200

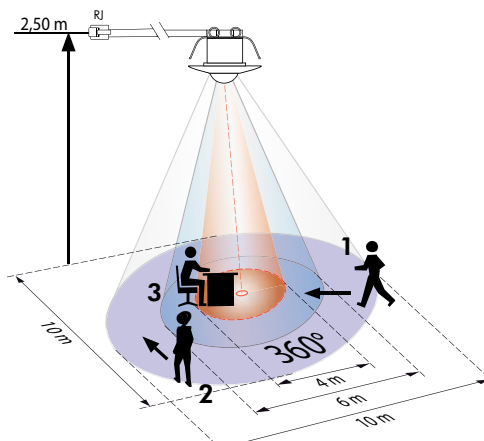
## LUXOMAT® PD9-M-DIM-FC – Mini detector DIM 1-10V



„Size comparison“



- 110 - 240 V AC , 50 / 60 Hz
- 360°
- max. Ø 10 m (across)
- IP20 / Class II / C<sub>0</sub>
- 25 °C to +50 °C
- Housing UV- and shock resistant polycarbonate
- IR-PDim, IR-PD-DIM-Mini
- Channel 1 (control the lightning)**
- 2300 W, cos φ = 1; 1150 VA, cos φ = 0,5
- 1-10 V DC, max. 50 EB
- 1min. - 30 min.
- 10 - 2000 Lux











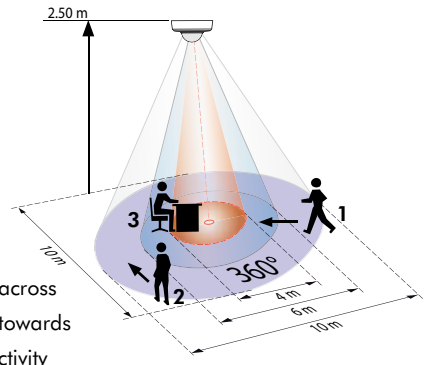
- 1 Walking across
- 2 Walking towards
- 3 Seated activity

Type	Colour	Part Number
PD9-M-DIM-FC	white	92910
Accessory		
IR-RC-Adapter	grey	92726
Remote control IR-PDim	grey	92200
Remote control IR-PD-DIM-Mini	grey	92098
Cover ring for PD9 (45 mm)	white, RAL9010	92238
Cover ring for PD9 (45 mm)	silver, RAL9006	92237
Cover ring for PD9 (45 mm)	anthracite, RAL7021	92235

**B.E.G. KNX PD2-KNX-SM and FC – Detector KNX**



-  24 V DC via KNX-BUS
-  360°
-  max. Ø 10 m (across)
-  IP20 / Class II / C €
-  -25°C to +55°C
-  Housing UV- and shock resistant polycarbonate
-  IR-PD-KNX
-  For integration in KNX-BUS systems











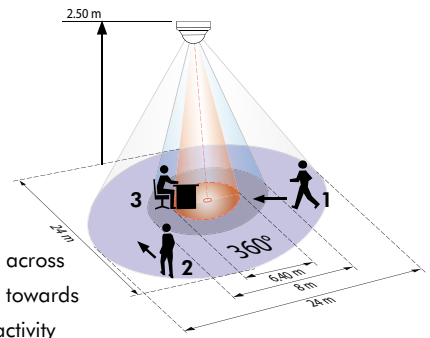
- 1 Walking across
- 2 Walking towards
- 3 Seated activity

Type	Colour	Part Number
PD2-KNX-SM	white	92880
PD2-KNX-FC	white	92881
Accessory		
IR-RC-Adapter	grey	92726
Remote control IR-PD-KNX	grey	92123

**B.E.G. KNX PD4-KNX-SM and FC – Detector KNX for large surfaces**



-  24 V DC via KNX-BUS
-  360°
-  max. Ø 24 m (across)
-  IP20 / Class II / C €
-  -25°C to +55°C
-  Housing UV- and shock resistant polycarbonate
-  IR-PD-KNX
-  For integration in KNX-BUS systems



- 1 Walking across
- 2 Walking towards
- 3 Seated activity

Type	Colour	Part Number
PD4-KNX-SM	white	92883
PD4-KNX-FC	white	92884
Accessory		
IR-RC-Adapter	grey	92726
Remote control IR-PD-KNX	grey	92123

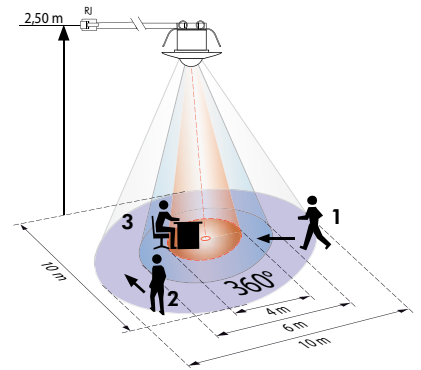
## B.E.G. KNX PD9-KNX-FC – Mini detector KNX



'Size comparison'



- 24 V DC via KNX-BUS
- 360°
- max. Ø 10 m (across)
- IP20 / Class II / C<sub>0</sub>
- 25°C to +55°C
- Housing UV- and shock resistant polycarbonate
- 45 cm
- IR-PD-KNX
- For integration in KNX-BUS systems



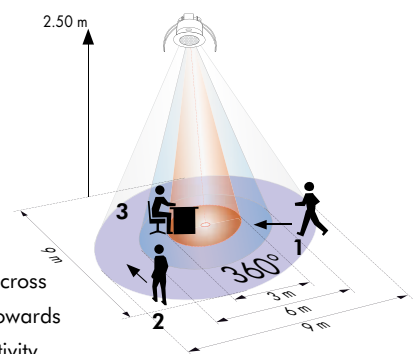
- 1 Walking across
- 2 Walking towards
- 3 Seated activity

Type	Colour	Part Number
PD9-KNX-FC	white	92890
Accessory		
IR-RC-Adapter	grey	92726
Remote control IR-PD-KNX	grey	92123
Cover ring for PD9 (45 mm)	white, RAL9010	92238
Cover ring for PD9 (45 mm)	silver, RAL9006	92237
Cover ring for PD9 (45 mm)	anthracite, RAL7021	92235

## B.E.G. KNX PD11-KNX-FLAT-FC – KNX detector ultra flat



- 24 V DC via KNX-BUS
- 360°
- max. Ø 9 m (across)
- IP20 / Class II
- 25°C to +55°C
- Housing UV- and shock resistant polycarbonate
- IR-PD-KNX
- For integration in KNX-BUS systems



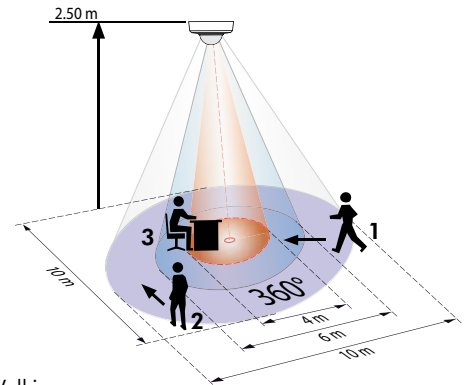
- 1 Walking across
- 2 Walking towards
- 3 Seated activity

Type	Colour	Part Number
PD11-KNX-FLAT-FC	white	92893
Accessory		
IR-RC-Adapter	grey	92726
Remote control IR-PD-KNX	grey	92123

**LUXOMAT® PD2-M-DALI/DSI-SM and -FC – Detector DALI**



- 110 - 240VAC, 50/60 Hz
  - 360°
  - max. Ø 10 m (across)
  - SM/FC = IP20 / Class II / CE
  - 25 °C to +50 °C
  - Housing UV- and shock resistant polycarbonate
  - IR-PD-DALI
- Channel 1 (control the lighting)**
- Master DALI/DSI approx. 50 balasts
  - 1 min. - 30 min.
  - 10 - 2000 Lux



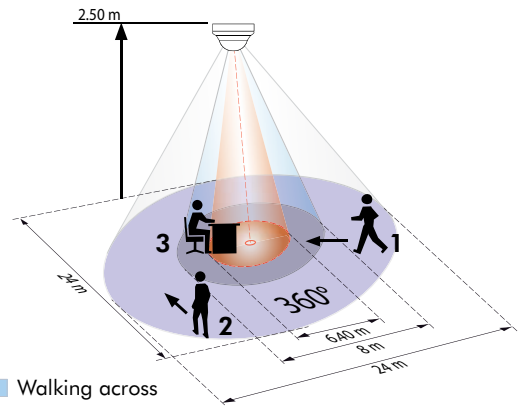
- 1 Walking across
- 2 Walking towards
- 3 Seated activity

Type	Colour	Part Number
PD2-M-DALI/DSI-SM	white	92280
PD2-M-DALI/DSI-FC	white	92258
<b>Accessory</b>		
IR-RC-Adapter	grey	92726
Remote control IR-PD-DALI	grey	92094

**LUXOMAT® PD4-M-DALI/DSI-SM and -FC – Detector DALI for high mounting**



- 110 - 240VAC, 50/60 Hz
  - 360°
  - max. Ø 24 m (across)
  - SM/FC = IP20 / Class II / CE
  - 25 °C to +50 °C
  - Housing UV- and shock resistant polycarbonate
  - IR-PD-DALI
- Channel 1 (control the lighting)**
- max. 50 DALI/DSI EB
  - 1 min. - 30 min.
  - 10 - 2000 Lux



- 1 Walking across
- 2 Walking towards
- 3 Seated activity

Type	Colour	Part Number
PD4-M-DALI/DSI-SM	white	92279
PD4-M-DALI/DSI-FC	white	92275
<b>Accessory</b>		
IR-RC-Adapter	grey	92726
Remote control IR-PD-DALI	grey	92094

## Moved into a pleasant light – LUXOMATIC floodlights



■ Brilliantly bright – low power consumption

### Saving energy with lighting

Possible climate change has meant that the energy savings that can be made with new lighting technologies have become increasingly important. **B.E.G.** supplies a range of LED spotlights and energy-saving spotlights for a variety of needs. Besides energy savings, these products feature – as is typical of **B.E.G.** – high levels of functionality, simple installation and contemporary designs.

Particularly the new **B.E.G.** LED spotlights with integrated motion detectors and modern LED technologies help reduce energy consumption and thus represent an investment into the future of our environment.

The highly efficient warm-tone LEDs in conjunction with the new and specially developed reflecting systems make it possible to use these spotlights to create optimum lighting in the areas required. Also suitable for outdoor installation, they are ideal for the continuous lighting of such large areas as, for example, loading-ramp or parking lot areas.



Saving energy with the future in mind!

Index	Page
HF-L1 AL5-RC-plus next	26
FLC 150 and 500 FL 150 W and 500 W	27
FLN2-LED-230 FLN3-LED-130	28
CdS-T-SM CdS-SM CdS-R	29
CdS-FC CdS-DIM	30
CdS-DALI/DSI-1C TS-DD	31




**LUXOMATIC® HF-L1**







-  230 V~ ±10%
-  360°
-  max. Ø 0.4 - 16m (across)
-  IP20 / Class II / C €
-  Ø 275 x A 85 mm
-  -15°C to +30°C
-  made of acrylic glass

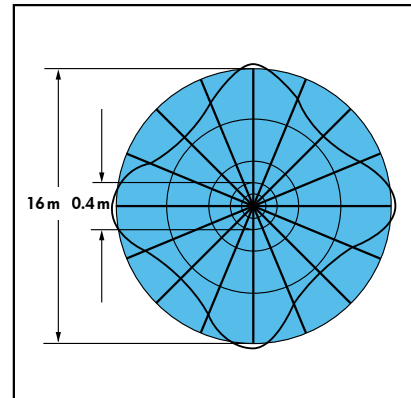
**Illuminant**

-  max. 60W Halogen / energy-saving or LED lamp with E27 bulb socket

**Channel 1 (control the lighting)**

-  1200 W
-  5 s. - 15 min.
-  2 - 2000 Lux
-  5,8 GHz, <10 mW

Montaje en techo








■ Walking across o (across)


Type	Colour	Part Number
HF-L1	white	94440

**LUXOMATIC® L1**



-  230 V~ ±10%
-  IP20 / Class II / C €
-  Ø 275 x A 85 mm
-  -15°C to +30°C
-  made of acrylic glass





**Illuminant**

-  max. 60W Halogen / energy-saving or LED lamp with E27 bulb socket


Type	Colour	Part Number
L1	white	94453

**LUXOMATIC® AL5-RC-plus next**



-  230 V~ ±10%
-  IP44 / Class I / C €
-  -25 °C to +50 °C
-  made of die-cast aluminium

**Illuminant**

-  R7s (118 mm) max. 500 W

Type	Colour	Part Number
AL5-RC-plus next	white	92401
AL5-RC-plus next	black	92400



## LUXOMATIC® FLC 150 and FLC 500

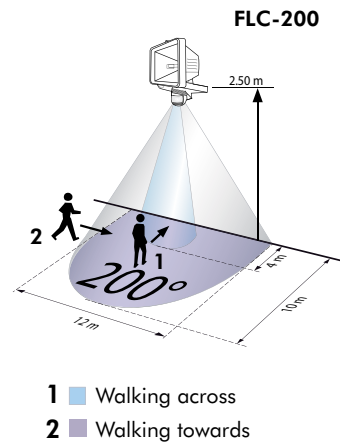
- 230V~ ±10%
- 140° / 200°
- max. 12 m (across)
- IP44 / Class I / CE
- 25 °C to +50 °C
- Die-cast aluminium flood-light, motion detector made of highquality, UV-resistant polycarbonate

### Illuminant

- FLC 150**  
R7s (78 mm) max. 150 W
- FLC 500**  
R7s (118 mm) max. 500 W

### Channel 1 (control the lighting)

- 4s.. - 10 min.
- 2 - 2000 Lux



Type	Colour	Part Number
FLC-150-140	white	91811
FLC-150-140	black	91831
FLC-150-200	white	91801
FLC-150-200	black	91821
FLC-500-140	white	91812
FLC-500-140	black	91832
FLC-500-200	white	91802
FLC-500-200	black	91822

## LUXOMATIC® FL 150 W and FL 500 W



- 230V~ ±10%
- IP44 / Class I / CE
- 25 °C to +50 °C
- made of die-cast aluminium
- Illuminant**
- FL 150**  
R7s (78 mm) max. 150 W
- FL 500**  
R7s (118 mm) max. 500 W

Type	Colour	Part Number
FL 150 (without motion detector)	white	92352
FL 150 (without motion detector)	black	92353
FL 500 (without motion detector)	white	92351
FL 500 (without motion detector)	black	92350



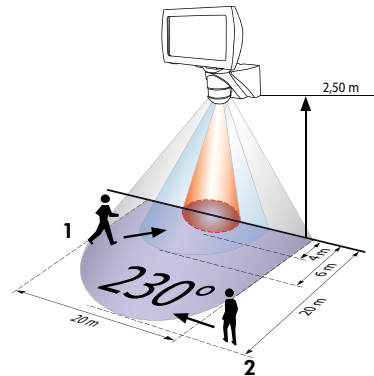
**LUXOMATIC® FL2N-LED 230 and FL2N-LED**

- 110-240 VAC~, 50/60 Hz
- 230°
- max. 20 m (across)
- IP44 / Class I / C €
- 25 °C to +50 °C
- Die-cast aluminium flood-light, motion detector made of highquality, UV-resistant polycarbonate
- IR-RC
- 60 diodes
- Consumption total 26 W**

**Channel 1 (control the lighting)**

- 2300 W,  $\cos\phi = 1$
- 1150 VA,  $\cos\phi = 0,5$
- 15 s. - 16 min. or impuls
- 2 - 2000 Lux

**FL2N-LED-230**



- 1 Walking across
- 2 Walking towards
- Anti-creep

Type	Colour	Part Number
FL2N-LED-230	white	92627
FL2N-LED-230	black	92626
FL2N-LED (without motion detector)	white	92599
FL2N-LED (without motion detector)	black	92598
<b>Accessory</b>		
IR-RC-Adapter	grey	92726
IR-RC	grey	92000



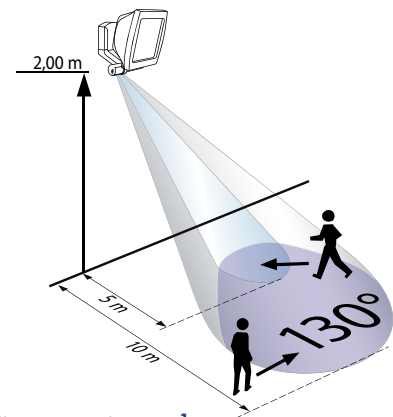
**LUXOMATIC® FL3N-LED 130 and FL3N-LED**

- 110-240 VAC~, 50/60 Hz
- 130°
- max. 10 m (tangential)
- IP44 / Class I / C €
- 25 °C to +50 °C
- Die-cast aluminium flood-light, motion detector made of highquality, UV-resistant polycarbonate
- 30 diodes
- Consumption total 14 W**

**Channel 1 (control the lighting)**

- 1000 W,  $\cos\phi = 1$
- 500 VA,  $\cos\phi = 0,5$
- 30 s. - 30 min. or impuls
- 2 - 2000 Lux

**FL3N-LED-130**



- 1 Walking towards
- 2 Walking across

Type	Colour	Part Number
FL3N-LED-130	white	92629
FL3N-LED-130	black	92628
FL3N-LED (without motion detector)	white	92703
FL3N-LED (without motion detector)	black	92702

## LUXOMATIC® CdS-T-SM



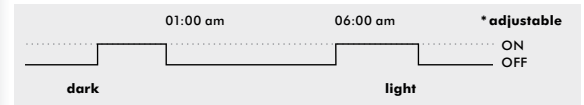
- 110 - 240 VAC, 50/60 Hz
- IP54 / Class II / C E
- 25 °C to +50 °C
- made of high-quality and UV-resistant polycarbonate
- IR-CdS-T

**Energy-saving function:** "Light off" with flexible settings (only with IR-CdS-T)

### Channel 1 (control the lighting)

- 2300 W,  $\cos\phi = 1$   
1150 VA,  $\cos\phi = 0,5$
- 2 - 300 Lux

Timer function



Type	Colour	Part Number
CdS-T-SM	white	92367
Accessory		
IR-RC-Adapter	grey	92726
Remote control IR-CdS-T	grey	92368

## LUXOMATIC® CdS-SM



- 110 - 240 VAC, 50/60 Hz
- IP54 / Class II / C E
- 25 °C to +50 °C
- made of high-quality and UV-resistant polycarbonate
- Channel 1 (control the lighting)**
- 2300 W,  $\cos\phi = 1$   
1150 VA,  $\cos\phi = 0,5$
- On and off delay:**  
1 - 120 s.
- 2 - 2000 Lux

Type	Colour	Part Number
CdS-SM	white	92369

## LUXOMATIC® CdS-R











- 230 V~ ±10%
- Housing IP20 / II / C E  
Sensor IP54 / II / C E
- 25 °C to +50 °C
- made of high-quality and UV-resistant polycarbonate
- Channel 1 (control the lighting)**
- 1000 W,  $\cos\phi = 1$   
350 VA,  $\cos\phi = 0,4$
- On and off delay:**  
10 - 15 s.
- 2 - 100 Lux

Type	Colour	Part Number
CdS-R	white	92365












**LUXOMATIC® CdS-FC**

-  110 - 240 VAC, 50/60 Hz
-  IP20 / Class II / CEE
-  -25 °C to +50 °C
-  Housing UV- and shock resistant polycarbonate
-  IR-CdS-FC
- Channel 1 (control the lighting)**
-  2000 W,  $\cos\phi = 1$   
1000 VA,  $\cos\phi = 0,5$
-  **Deactivation delay:**  
5 s - 30 Min.
-  10 - 2000 Lux

Type	Colour	Part Number
CdS-FC	white	92249
<b>Accessory</b>		
Remote control IR-CdS-FC	grey	92396



**LUXOMATIC® CdS-DIM-FC**

-  110 - 240 VAC, 50/60 Hz
-  IP20 / Class II / CEE
-  -25 °C to +50 °C
-  Housing UV- and shock resistant polycarbonate
-  IR-CdS
- Channel 1 (control the lighting)**
-  2300 W,  $\cos\phi = 1$   
1150 VA,  $\cos\phi = 0,5$
-  **Deactivation delay:**  
1 min. - 30 min.
-  10 - 2000 Lux
-  1 - 10 VDC, 50 ballasts

Type	Colour	Part Number
CdS-DIM-FC	white	92589
<b>Accessory</b>		
Remote control IR-CdS	grey	92577





SM



FC



## LUXOMATIC® Cds-DALI/DSI-1C-SM and -FC

110 - 240 VAC, 50/60 Hz

IP54 / Class II / CEE

-25 °C to +50 °C

Housing UV- and shock resistant polycarbonate

### Channel 1 (control the lighting)

2300 W,  $\cos\phi = 1$   
1150 VA,  $\cos\phi = 0,5$

1 min. - 30 min.

0 - 2000 Lux

Type	Colour	Part Number
Cds-DALI/DSI-1C-SM	white	92563
Cds-DALI/DSI-1C-FC	white	92562
Accessory		
Remote control IR-CdS	grey	92577

## LUXOMATIC® TS-DD

230V~ ±10%

**Light sensors:**  
IP54 / Class II / CEE

-35°C to +50°C

Housing UV- and shock resistant polycarbonate

### Channel 1 (control the lighting)

**Bulb load**  
1000 W,  $\cos\phi = 1$

**Fluorescent lamp compensated**  
600 W

**Halogen lamps**  
450 W

**Activation delay:**  
approx. 8 s

**Deactivation delay:**  
approx. 40 s

1 - 100 Lux / 50 - 1000 Lux



Type	Colour	Part Number
TS-DD	white	92681

**B.E.G. LUXOMAT®**

## IR-RC Adapter



One  
remote control!  
B.E.G.-  
App!

Code: 92726



Most of the movement and presence detectors of **B.E.G.** can be set with an infrared remote control. Due to the big amount of detectors, there are also a lot of remotes.

From 2015, **B.E.G.** offers one control for all our detectors. This is by using your smartphone. The detectors are programmed using infrared signals. To set the detectors with your Smartphone **B.E.G.** developed an adapter, that turns a signal from the Smartphone into an infrared signal. This IR-RC Adapter is simply plugged in the audio jack. The **B.E.G.** App is available for Android and iOS smartphones and can be downloaded in the relevant stores.

All programmable movement and presence detectors of **B.E.G.** can be set and controlled with this App. In the main menu, you choose the detector you want to program, using the product description, reference of the remote control or the product. After this, the correct lay-out will appear on the screen..

The App is available in Dutch, French, German and English.









**B.E.G.**

ISO 14001

ISO 9001



Environmental  
Management

Quality  
Management

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**B.E.G. KNX**

*B.E.G. operates a policy of continuous product improvement and development.  
And reserve the right to change the product specifications of any time. Errors excepted.*