

B.E.G. The flexible solution

CONDENSED CATALOGUE

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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.

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.

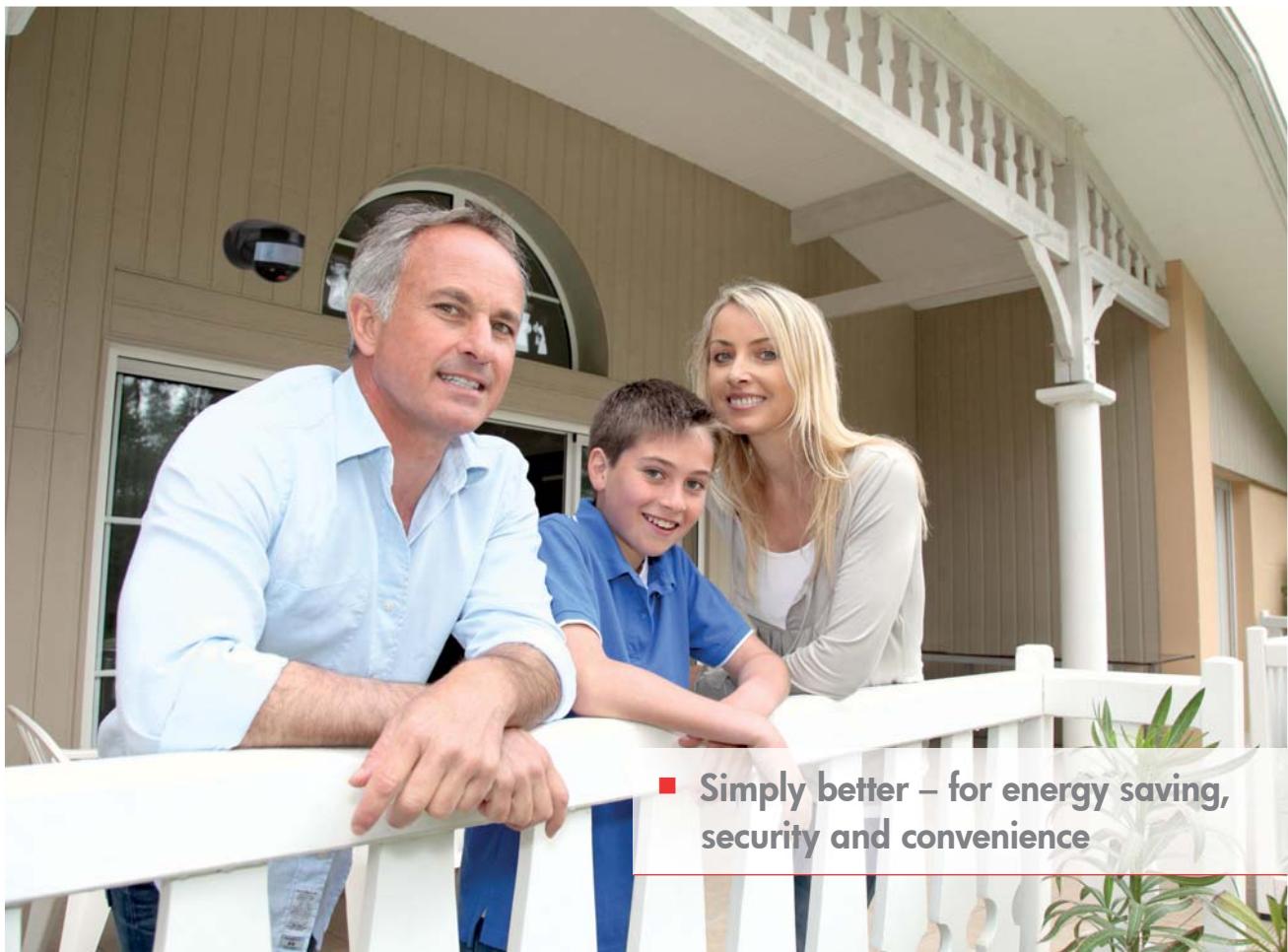
In order to offer the customers a clear product structure, the product range has been divided into six product lines: **LUXOMAT®**, **LUXOMATIC®**, **B.E.G. KNX®**, **B.E.G. SMARTHOME®**, **SAFETYLUX®** and **CHRONOLUX**. They emphasise **B.E.G.**'s strengths: a broad product range, individual solutions,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

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LUXOMAT® Motion detectors for exterior wall and ceiling mounting



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.

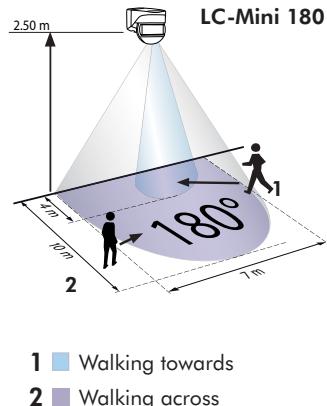
Blinds can be used to restrict the detection area so that only the desired area is covered. For example, they can be used to filter out a side road leading past the area. If requirements should change, settings can be altered according to demand.

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.

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

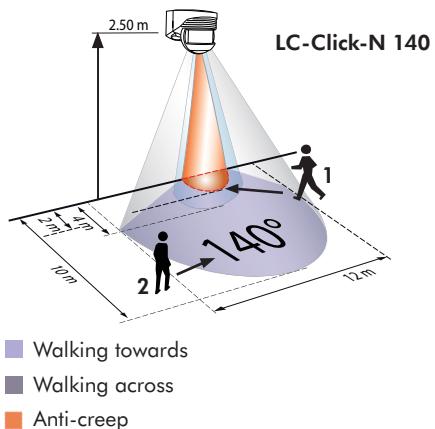
	230V~ ±10%
	120° / 180°
	max. 10 m (across)
	IP44 / Class II / CEE
	-25 °C to +50 °C
	Housing UV- and shock resistant polycarbonate
Channel 1 (control the lighting)	
	1000W, cosφ= 1
	4 sec. - 10 min.
	2 - 2000 Lux



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 / CEE
	-25 °C to +50 °C
	Housing UV- and shock resistant polycarbonate
Channel 1 (control the lighting)	
	2000W, cosφ= 1
	1000VA, cosφ= 0.5
	4 sec. - 20 min.
	2 - 2000 Lux

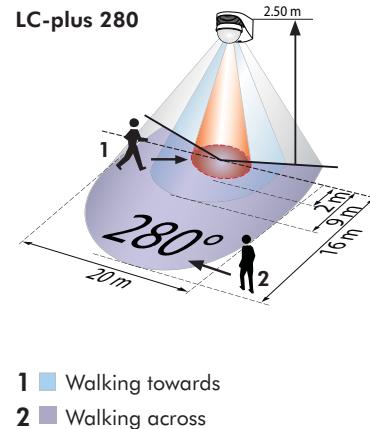


Type	Colour	Part number
LC-Click-N 140	white	91001
LC-Click-N 140	brown	91011
LC-Click-N 140	black	91021
LC-Click-N 200	white	91002
LC-Click-N 200	brown	91012
LC-Click-N 200	black	91022
Accessory		
Wire basket BSK	white	92467

LUXOMAT® LC-plus 280 – the middle class



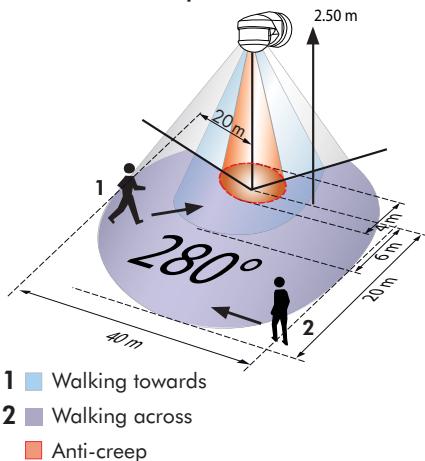
	110 - 240 VAC, 50/60 Hz
	280°
	max. 20 m (across)
	IP44 / Class II / CEC
	-25 °C to +50 °C
	Housing UV- and shock resistant polycarbonate
	IR-LC-plus, IR-LC-Mini, IR-Adapter for Smartphones
Channel 1 (control the lighting)	
	2000 W, cosφ = 1; 1000 VA, cosφ = 0.5
	15 sec. - 16 min. or pulse
	10 - 2000 Lux



Type	Colour	Part number
LC-plus 280	white	91008
LC-plus 280	brown	91018
LC-plus 280	black	91028
LC-plus 280	silver	91048
Accessory		
Remote control IR-LC-Mini	grey	92093
Remote control IR-LC-plus	grey	92095
IR-Adapter	black	92726

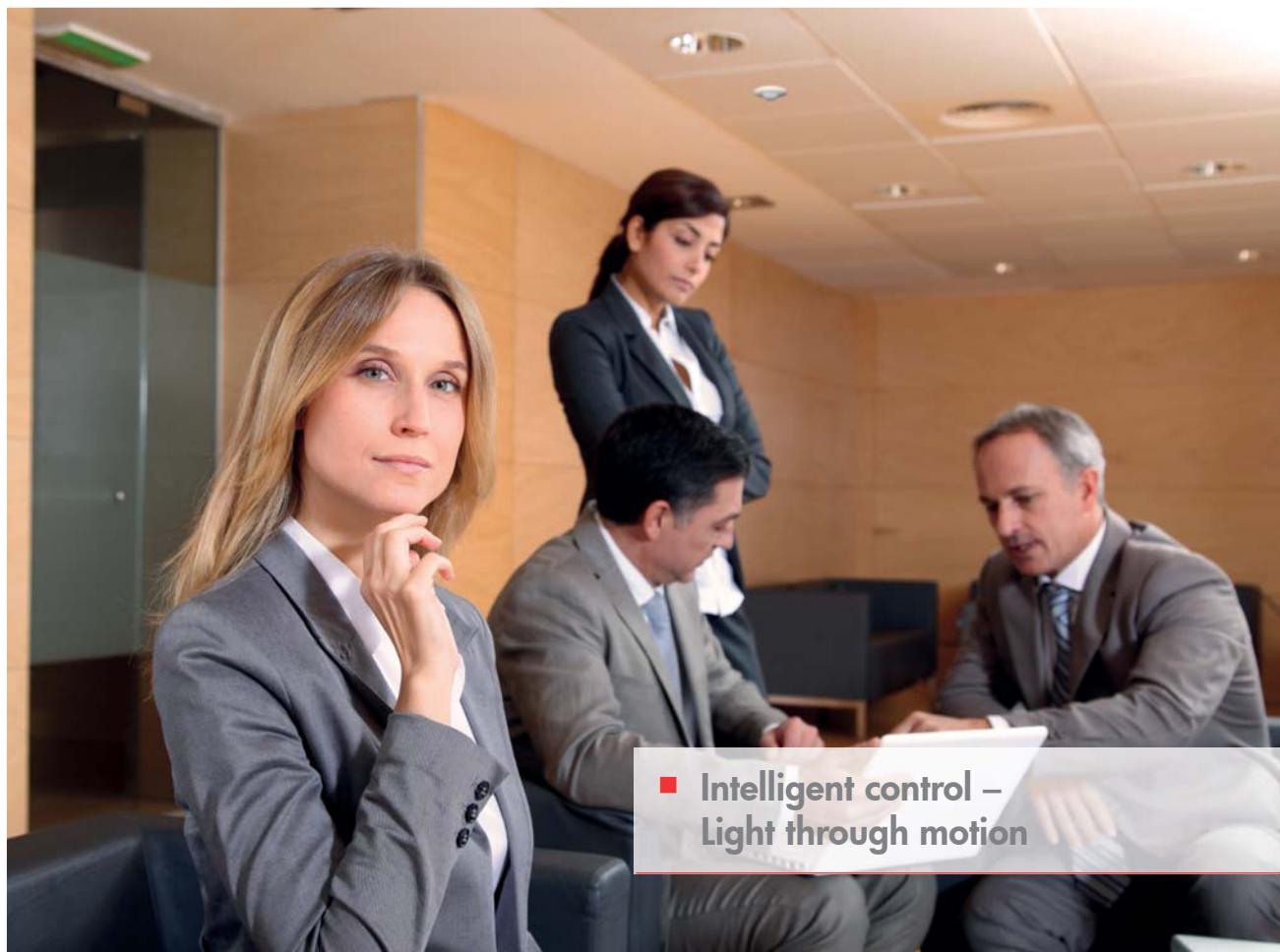
LUXOMAT® RC-plus next – the premium class

	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, IR-Adapter for Smartphones
Channel 1 (control the lighting)	
	3000 W, cosφ= 1; 1500 VA, cosφ= 0.5
	15 sec. - 16 min. or pulse
	2 - 2000 Lux

RC-plus next 280

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-Adapter	black	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



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.

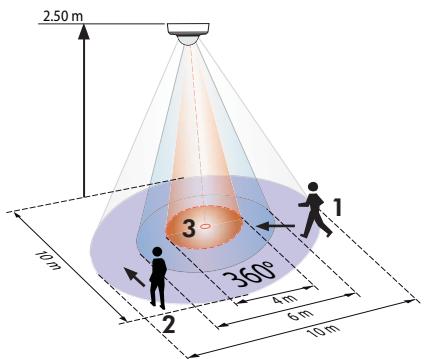
This is achieved by means of passive infrared technology (PIR): the detection area of the motion detector is divided into many smaller subsections. Within these subsections, the detector measures any heat radiation resulting, for example, from a creature. If there are temperature differences in several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

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

- 110 - 240 VAC, 50/60 Hz
 - 360°
 - max. Ø 10 m (across)
 - SM = IP44; FC = IP23 / Class II / CEC
 - 25 °C to +50 °C
 - Housing UV- and shock resistant polycarbonate
 - IR-PD3N, IR-PD-Mini, IR-Adapter for Smartphones
- Channel 1 (control the lighting)**
- 2300 W, $\cos\phi = 1$; 1150 VA, $\cos\phi = 0.5$
 - 30 sec. - 30 min. or pulse
 - 10 - 2000 Lux



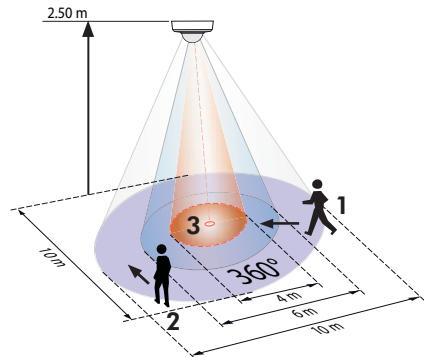
- 1 Blue Walking towards
- 2 Purple Walking across
- 3 Orange Smaller movements

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-PF-FC (Potential free contact)	white	92576
Accessory		
IR-Adapter	black	92726
Remote control IR-PD3N	grey	92105
Remote control IR-PD-Mini	grey	92159



LUXOMAT® PD3N-2C – 2 channel detectors

- 110 - 240 VAC, 50/60 Hz
 - 360°
 - max. Ø 10 m (across)
 - FC = IP23 / Class II / CE
 - 25 °C to +50 °C
 - Housing UV- and shock resistant polycarbonate
IR-PD3N-2C, IR-PD-Mini, IR-Adapter for Smartphones
- Channel 1 (control the lighting)**
- 2300 W, cos ϕ = 1;
1150 VA, cos ϕ = 0.5
 - 30 sec. - 30 min. or pulse
 - 10 - 2000 Lux
- Channel 2 (control device or HVAC)**
- dry contact type NO, 3 A,
230 V, cos ϕ = 1
 - 5 - 120 min.

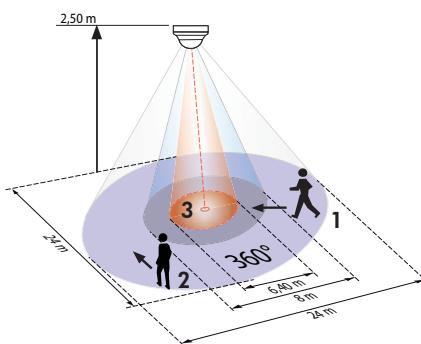


- 1 Walking towards
- 2 Walking across
- 3 Smaller movements

Type	Colour	Part number
PD3N-2C-FC	white	92198
Accessory		
IR-Adapter	black	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

- 110 - 240 VAC, 50/60 Hz
 - 360°
 - max. Ø 24 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, IR-Adapter for Smartphones
- Channel 1 (control the lighting)**
- 2300 W, cos ϕ = 1;
1150 VA, cos ϕ = 0.5
 - 30 sec. - 30 min. or pulse
 - 10 - 2000 Lux



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

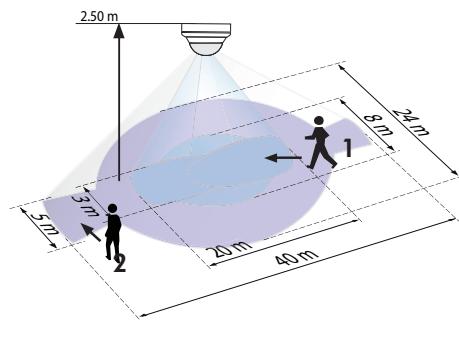
Type	Colour	Part number
PD4N-1C-SM	white	92144
PD4N-1C-FC	white	92149
Accessory		
IR-Adapter	black	92726
Remote control IR-PD3N	grey	92105
Remote control IR-PD-Mini	grey	92159
Wire basket BSK	white	92199

Ceiling-mounted motion detectors



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

	110 - 240 VAC, 50/60 Hz
	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,
	IR-Adapter for Smartphones
Channel 1 (control the lighting)	
	2300 W, cosφ = 1; 1150 VA, cosφ = 0.5
	30 sec. - 30 min. or pulse
	10 - 2000 Lux

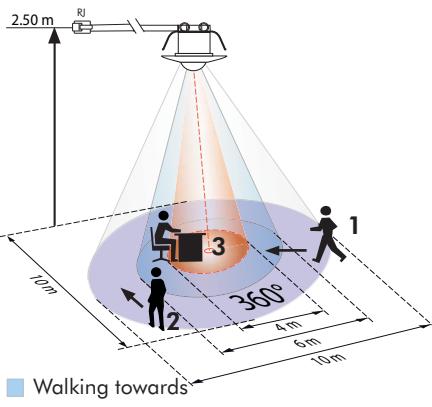


- 1 Blue Walking across
2 Purple Walking towards

Type	Colour	Part number
PD4N-1C-C-SM	white	92270
PD4N-1C-C-FC	white	92274
Accessory		
IR-Adapter	black	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 - 240V and Version 12-48V

	110 - 240 VAC, 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
	30 sec. - 30 min. or pulse
	10 - 2000 Lux



- 1 Blue Walking towards
2 Purple Walking across
3 Orange 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'

LUXOMAT® PD9-DIGI-FC – Minidetector

230V~ ±10 %

360°

max. Ø 3 m (across)

IP20 / Class II / CEE

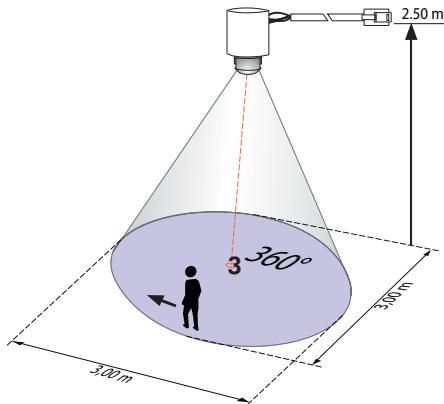
-25°C to +50°C

Housing UV- and shock resistant polycarbonate

Channel 1 (control the lighting)

1000W, cosφ= 1;
500VA, cosφ= 0.5,

30 sec. - 30 min. or pulse



Walking towards

Type

PD9-DIGI-FC

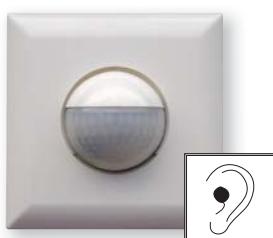
Colour

white

Part number

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)

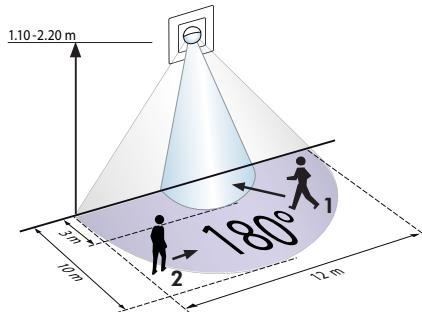
180-R: 2300W, cosφ= 1
SC: max. 200 mA/230VAC

180-R: 15 sec. - 16 min.

SC: pulse duration: 0,1 sec.
Suppression of light level threshold

2 - 2000 Lux

Indoor 180



1 Walking towards

2 Walking across

Type

Indoor 180-R, covering included

Colour

white

Part number

92610

Indoor 180-R/2W fully fitted

white

92615



HF-MD1

LUXOMAT® HF-MD1 – Hidden high frequency detector

230 V~ ±10 %



360°



Ø 0.4 to 16 m (across)

IP20 / Class II / CE



-15°C to +50°C

Housing UV- and shock
resistant polycarbonate**Channel 1 (control the lighting)**

1200 W, cosφ = 1



5 sec. - 15 min.

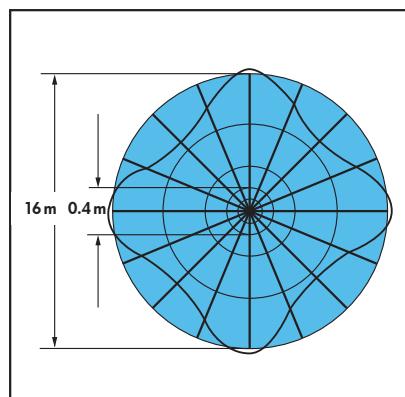


2 - 2000 Lux



5.8 GHz, <10 mW

Technical instruction



■ Walking across or towards

Type**Colour****Part number**

HF-MD1

white

94401



HF-H-MD1 Standard

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

230 V~ ±10 %



Ø 2 to 11 m (across)



IP20 / Class II / CE



-35°C to +70°C

Housing UV- and shock
resistant polycarbonate**Channel 1 (control the lighting)**

1000 W, cosφ = 1



5 sec. - 25 min.

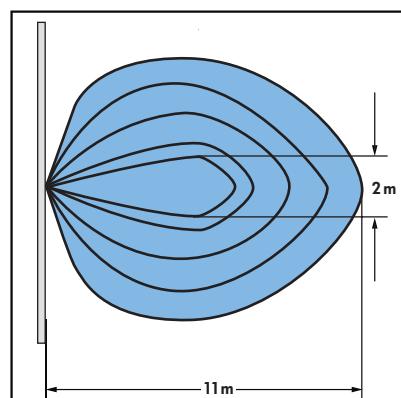


2 - 30 Lux + ☀



5.8 GHz, <10 mW

Technical instruction



■ Walking across or towards

Type**Colour****Part number**

HF-H-MD1 Standard

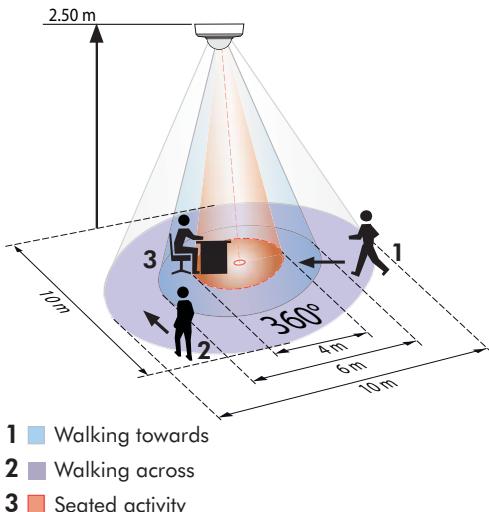
white

94431

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



	110 - 240 VAC, 50/60 Hz
	360°
	max. Ø 10 m (across)
	SM/FC = IP20 / Class II / CEC
	-25 °C to +50 °C
	Housing UV- and shock resistant polycarbonate
	IR-PD-1C, IR-PD-Mini, IR-Adapter for Smartphones
Channel 1 (control the lighting)	
	2300 W, cos φ = 1; 1150 VA, cos φ = 0.5
	15 sec. - 30 min. or pulse
	10 - 2000 Lux

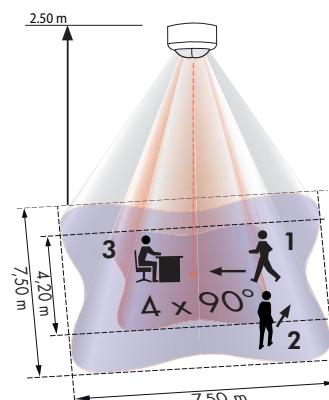


Type	Colour	Part number
PD2-M-1C-SM (Master)	white	92550
PD2-M-1C-FC (Master)	white	92565
PD2-S-SM (Slave)	white	92152
Accessory		
IR-Adapter	black	92726
Remote control IR-PD-1C	grey	92520
Remote control IR-PD-Mini	grey	92159
Socket IP54 for PD2- and PD4-SM	white	92161

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



	110 - 240 VAC, 50/60 Hz
	□ 4 x 90°
	max. 7.50 x 7.50 m
	SM = IP54; FC = IP20/ Class II / CEC
	-25 °C to +50 °C
	Housing UV- and shock resistant polycarbonate
	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
	15 sec. - 30 min. or pulse
	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.



Type	Colour	Part number
PD1N-M-2C-SM (Master)	white	92877
PD1N-M-2C-FC (Master)	white	92874
PD1N-S-SM (Slave)	white	92878
Accessory		
IR-Adapter	black	92726
Remote control IR-PD-2C	grey	92475
Remote control IR-PD-Mini	grey	92159

Occupancy detectors

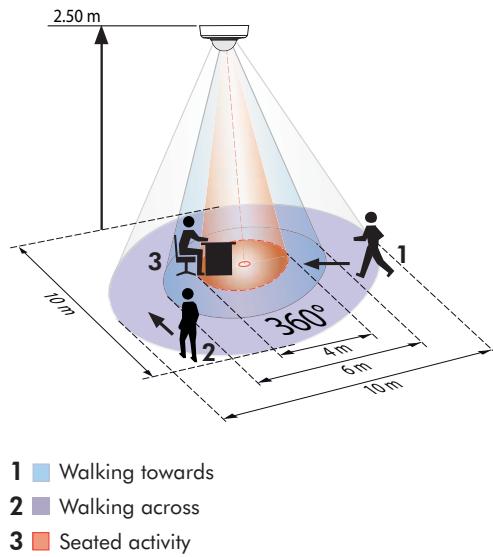


LUXOMAT® PD2-M-2C-SM and -FC – 2 channel occupancy detectors

- ~ 110 - 240 VAC, 50/60 Hz
- 360°
- max. Ø 10 m (across)
- IP IP20 / Class II / CE
- 25 °C to +50 °C
- Housing UV- and shock resistant polycarbonate
- 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
- / 15 sec. - 30 min. or pulse
- 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.



Type	Colour	Part number
PD2-M-2C-SM (Master)	white	92150
PD2-M-2C-FC (Master)	white	92165
PD2-S-SM (Slave)	white	92152
Accessory		
IR-Adapter	black	92726
Remote control IR-PD-2C	grey	92475
Remote control IR-PD-Mini	grey	92159

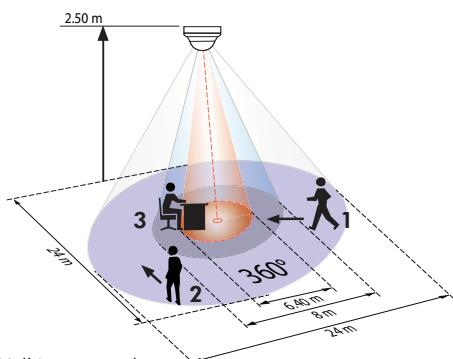


LUXOMAT® PD4-M-1C-SM and -FC – Detector for large surfaces

- ~ 110 - 240 VAC, 50/60 Hz
- 360°
- max. Ø 24 m (across)
- IP20 / Class II / CE
- 25 °C to +50 °C
- Housing UV- and shock resistant polycarbonate
- IR-PD-1C, IR-PD-Mini, IR-Adapter for Smartphones

Channel 1 (control the lighting)

- / 2300 W, cos φ = 1;
1150 VA, cos φ = 0.5
- / 15 sec. - 30 min. or pulse
- 10 - 2000 Lux



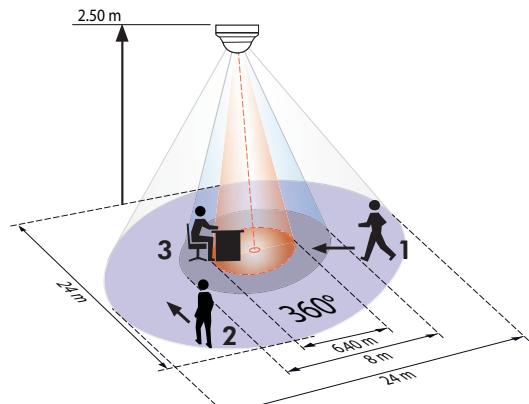
Type	Colour	Part number
PD4-M-1C-SM (Master)	white	92580
PD4-M-1C-FC (Master)	white	92585
PD4-S-SM (Slave)	white	92142
Accessory		
IR-Adapter	black	92726
Remote control IR-PD-1C	grey	92520
Remote control IR-PD-Mini	grey	92159



IR-Adapter

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

	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, IR-Adapter for Smartphones
Channel 1 (control the lighting)	
	2300 W, cos φ = 1; 1150 VA, cos φ = 0.5
	15 sec. - 30 min. or pulse
	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 towards
- 2 ■ Walking across
- 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
Accessory		
IR-Adapter	black	92726
Remote control IR-PD-2C	grey	92475
Remote control IR-PD-Mini	grey	92159



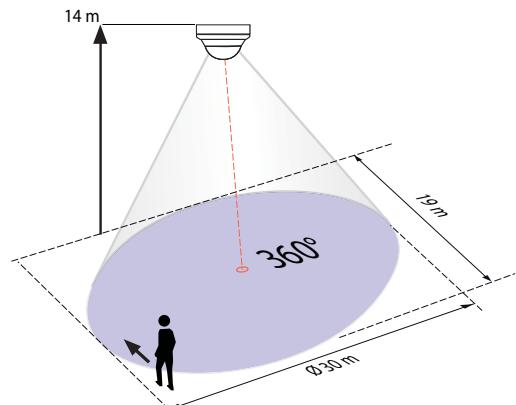
SM



IR-Adapter

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

	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, IR-Adapter for Smartphones
Channel 1 (control the lighting)	
	2300 W, cos φ = 1; 1150 VA, cos φ = 0.5
	15 sec. - 30 min. or pulse
	10 - 2000 Lux



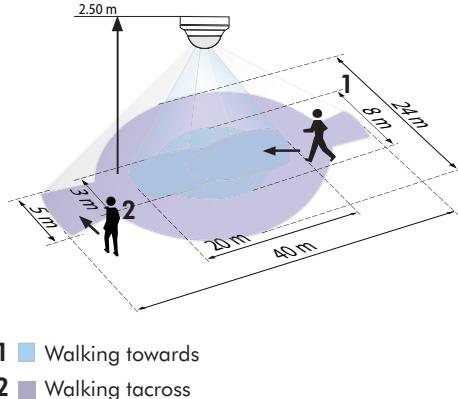
Type	Colour	Part number
PD4-M-1C-GH-SM (Master)	white	92245
PD4-S-GH-SM (Slave)	white	92265
Accessory		
IR-Adapter	black	92726
Remote control IR-PD-LD	grey	92479

Occupancy detectors

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



	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, IR-Adapter for Smartphones
Channel 1 (control the lighting)	
	2300 W, cosφ = 1; 1150 VA, cosφ = 0.5
	15 sec. - 30 min. or pulse
	10 - 2000 Lux

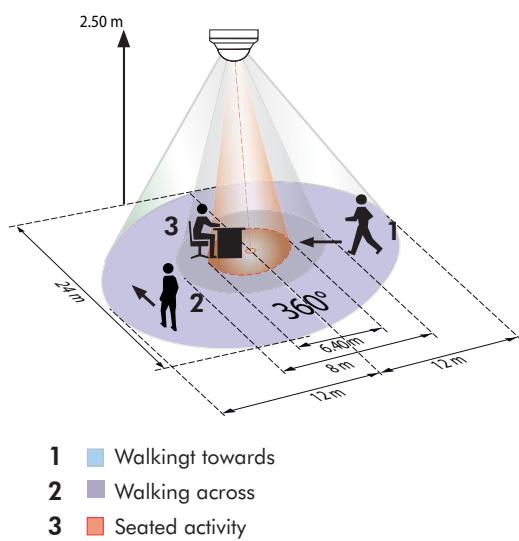


Type	Colour	Part number
PD4-M-1C-C-SM (Master)	white	92587
PD4-M-1C-C-FC (Master)	white	92586
PD4-S-C-SM (Slave)	white	92442
Accessory		
IR-Adapter	black	92726
Remote control IR-PD-1C	grey	92520
Remote control IR-PD-Mini	grey	92159
Wall bracket for PD4-SM	white	92441

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



	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, IR-Adapter for Smartphones
Canal 1 and Channel 2 (control the lighting)	
	2300 W, cosφ = 1; 1150 VA, cosφ = 0.5
	1 min. - 30 min.
	10 - 2000 Lux



Type	Colour	Part number
PD4-M-2C-DUO-SM	white	92158
PD4-M-2C-DUO-FC	white	92251
Accessory		
IR-Adapter	black	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



IR-Adapter

- 110 - 240 VAC, 50/60 Hz
- 360°
- max. Ø 24 m (across)
- IP20 / Class II / CEE
- 25 °C to +50 °C
- Housing UV- and shock resistant polycarbonate
- IR-PD4-TRIO SWI, IR-Adapter for Smartphones

Canal 1 and 2 (control the lightning)

- 3000 W, cos ϕ = 1;
1500 VA, cos ϕ = 0.5
- 1 min. - 60 min.

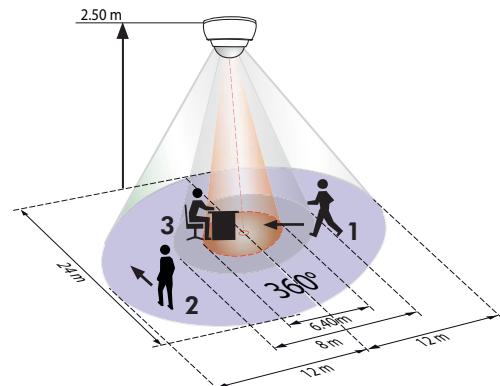
- 10 - 2000 Lux

Channel 3 (control the lightning) for board illumination

- 3000 W, cos ϕ = 1;
1500 VA, cos ϕ = 0.5

- 1 min. - 60 min.

- 10 - 2000 Lux



1 Walking towards

2 Walking across

3 Seated activity

Type	Colour	Part number
PD4-M-3C-TRIO-SM	white	92740
PD4-M-3C-TRIO-FC	white	92745
Accessory		
IR-Adapter	black	92726
Remote control IR-PD4-TRIO-3C	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
- 120°
- max. 8 m (across)
- recommended mounting height 1 - 1.2 m
- IP20 / Class II / CEE
- 25 °C to +50 °C

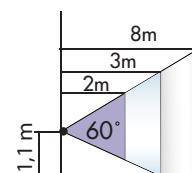
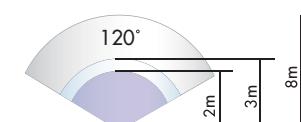
Channel 1 (control the lightning)

- 2000 W, cos φ = 1
1000 VA, cos φ = 0.5

- 15 sec. - 30 min.

- 10 - 2000 Lux

Indoor 140-L



- 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



110 - 240 VAC, 50/60 Hz



360°



max. Ø 10 m (across)
IP20 / Class II / CE
(version SDB: IP65 / Class II)



-25 °C to +50 °C



Housing UV- and shock
resistant polycarbonate
IR-Adapter for Smartphones,
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 ϕ = 1;
1150 VA, cos ϕ = 0.5

PD9-M-1C:

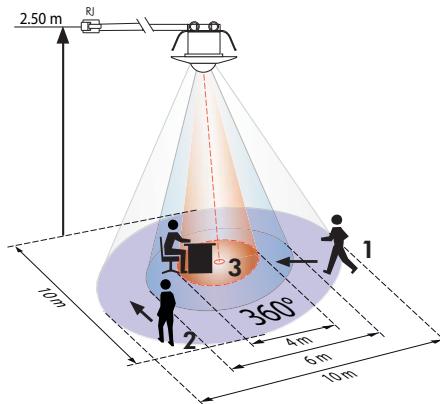
5 min. - 30 min. or pulse

PD9-M-1C-SDB-IP65:

15 sec. - 30 min. or pulse



10 - 2000 Lux



1 Walking towards

2 Walking across

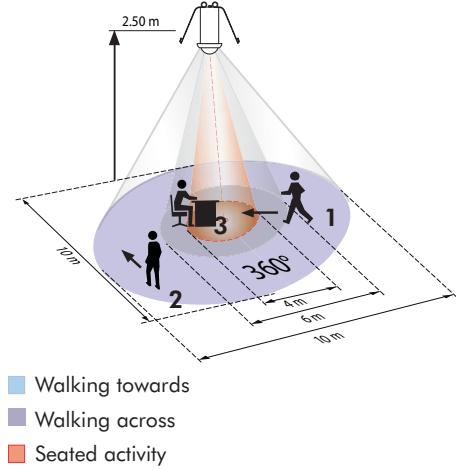
3 Seated activity

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
Accessory		
IR-Adapter	black	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



	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, IR-Adapter for Smartphones
Channel 1 (control the lighting)	
	2300 W, cosφ = 1; 1150 VA, cosφ = 0.5
	5 min. - 30 min. or pulse
	10 - 2000 Lux



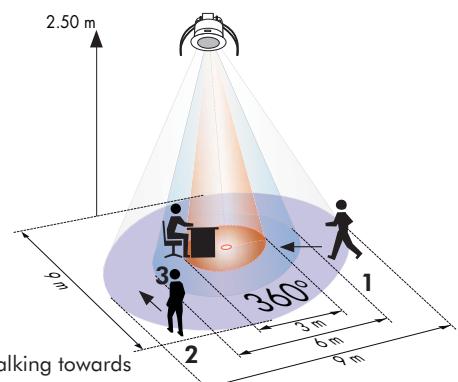
Type	Colour	Part number
PICO-M-1C-FC (Master)	white	92712
PICO-S-FC (Slave)	white	92700
Accessory		
IR-Adapter	black	92726
Remote control IR-PD-1C	grey	92520

NEW!



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

	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, IR-Adapter for Smartphones
Channel 1 (control the lighting)	
	2300 W, cosφ = 1; 1150 VA, cosφ = 0.5
	5 min. - 30 min. or pulse



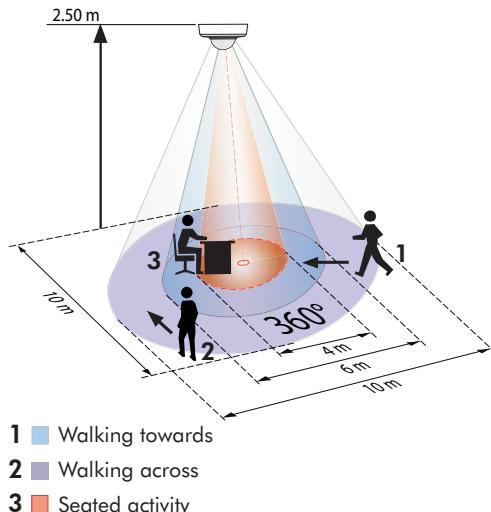
Type	Colour	Part number
PD11-M-1C-FLAT-FC	white	92583
PD11-S-FLAT-FC	white	92593
Accessory		
IR-Adapter	black	92726
Remote control IR-PD-1C	grey	92520

Occupancy detectors DIM 1-10 V



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

	110 - 240VAC, 50/60Hz
	○ 360°
	max. Ø 10 m (across)
	SM/FC = IP20 / Class II / CE
	-25 °C to +50 °C
	Housing UV- and shock resistant polycarbonate
	IR-PDdim, IR-PD-DIM-Mini, IR-Adapter for Smartphones
Channel 1 (control the lighting)	
	2300 W, cosφ= 1; 1150 VA, cosφ= 0.5
	1 min. - 30 min.
	10 - 2000 Lux
	1 - 10 VDC

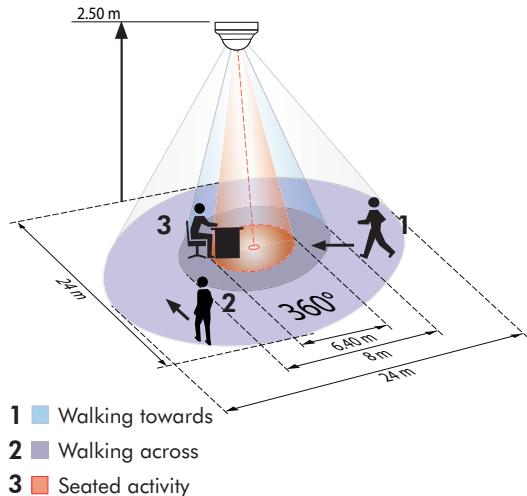


Type	Colour	Part number
PD2-M-DIM-SM	white	92153
PD2-M-DIM-FC	white	92167
Accessory		
IR-Adapter	black	92726
Remote control IR-PDIM	grey	92200
Remote control IR-PD-DIM-Mini	grey	92098



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

	110 - 240VAC, 50/60Hz
	○ 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-PDdim, IR-PD-DIM-Mini, IR-Adapter for Smartphones
Channel 1 (control the lighting)	
	2300 W, cosφ= 1; 1150 VA, cosφ= 0.5
	1 min. - 30 min.
	10 - 2000 Lux
	1 - 10 VDC

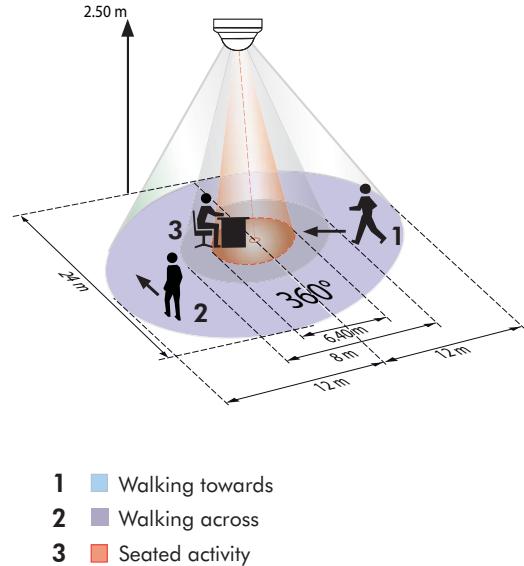


Type	Colour	Part number
PD4-M-DIM-SM	white	92147
PD4-M-DIM-FC	white	92247
Accessory		
IR-Adapter	black	92726
Remote control IR-PDIM	grey	92200
Remote control IR-PD-DIM-Mini	grey	92098

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



	110 - 240 VAC, 50/60 Hz
	360°
	max. Ø 24 m (across) SM = IP44; FC = IP20 / Class II / CE
	-25 °C to +50 °C
	Housing UV- and shock resistant polycarbonate
	IR-PDim, IR-Adapter for Smartphones
Canal 1 and Channel 2 (control the lightning)	
	2300 W, cos φ = 1; 1150 VA, cos φ = 0.5
	1 min. - 30 min.
	10 - 2000 Lux
	2 dim outputs 1-10 V DC, max. 50 EB

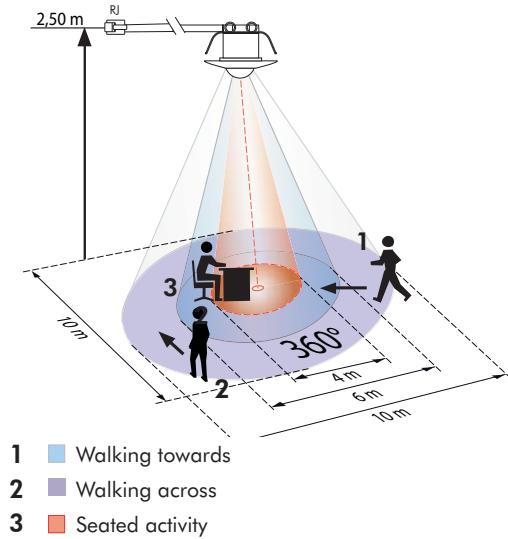


Type	Colour	Part number
PD4-M-DUO-DIM-SM	white	92271
PD4-M-DUO-DIM-FC	white	92272
Accessory		
IR-Adapter	black	92726
Remote control IR-PDim	grey	92200

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



	110 - 240 V AC , 50 / 60 Hz
	360°
	max. Ø 10 m (across) IP20 / Class II / CE
	-25 °C to +50 °C
	Housing UV- and shock resistant polycarbonate
	IR-PDim, IR-PD-DIM-Mini, IR-Adapter for Smartphones
Channel 1 (control the lightning)	
	2300 W, cos φ = 1 1150 VA, cos φ = 0.5
	1-10 V DC, max. 50 EB
	1 min. - 30 min.
	10 - 2000 Lux



Type	Colour	Part number
PD9-M-DIM-FC	white	92910
Accessory		
IR-Adapter	black	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

KNX occupancy detectors



SM



FC



IR-Adapter

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



24V DC via KNX-BUS



360°



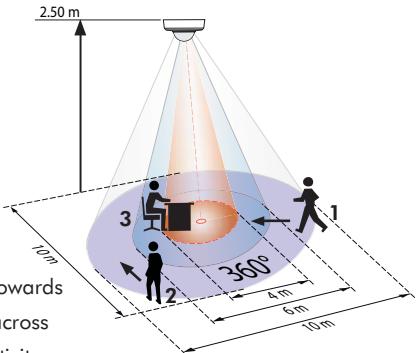
max. Ø 10 m (across)



IP20 / Class II / CE



-25°C to +55°C

Housing UV- and shock
resistant polycarbonate
IR-PD-KNX,
IR-Adapter for Smartphones
For integration in KNX-BUS
systems

Type

PD2-KNX-SM

Colour

white

Part number

92880

PD2-KNX-FC

white

92881

Accessory

IR-Adapter

black

92726

Remote control IR-PD-KNX

grey

92123



SM



FC



IR-Adapter

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



24V DC via KNX-BUS



360°



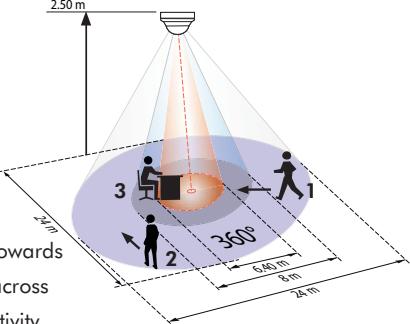
max. Ø 24 m (across)



IP20 / Class II / CE



-25°C to +55°C

Housing UV- and shock
resistant polycarbonate
For integration in KNX-BUS
systems

Type

PD4-KNX-SM

Colour

white

Part number

92883

PD4-KNX-FC

white

92884

Accessory

IR-Adapter

black

92726

Remote control IR-PD-KNX

grey

92123

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

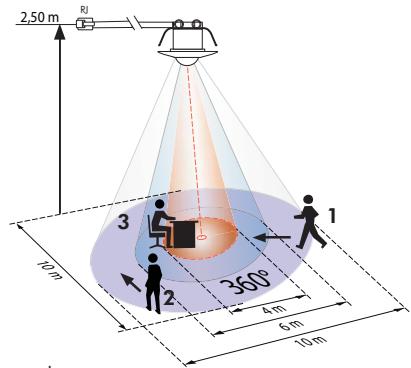


,Size comparison'



IR-Adapter

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



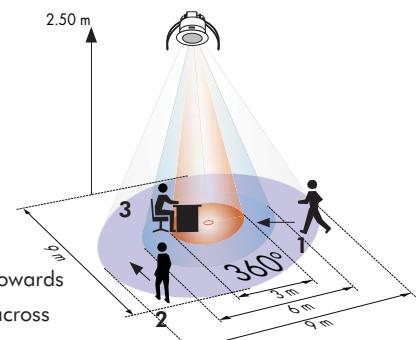
Type	Colour	Part number
PD9-KNX-FC	white	92890
Accessory		
IR-Adapter	black	92726
Remote control IR-PD-KNX	grey	92123
Cover ring for PD9 (45 mm)	white, RAL9010	92238
Cover ring for PD9 (45 mm)	silver, RAL9006	92237
Cover ring for PD9 (45 mm)	anthracite, RAL7021	92235

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



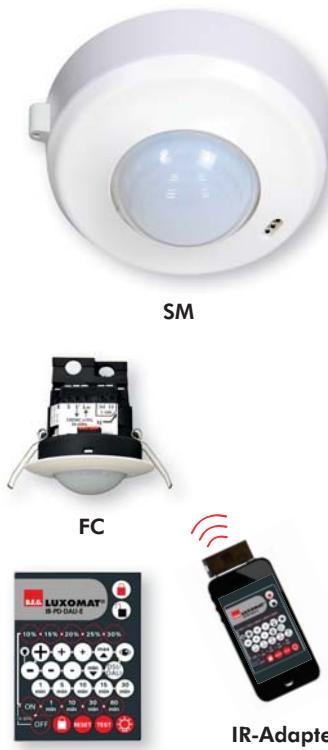
IR-Adapter

- 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, IR-Adapter for Smartphones For integration in KNX-BUS systems



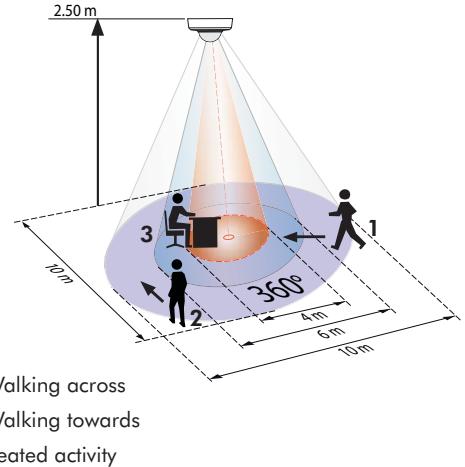
Type	Colour	Part number
PD11-KNX-FLAT-FC	white	92893
Accessory		
IR-Adapter	black	92726
Remote control IR-PD-KNX	grey	92123

DALI occupancy detectors



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

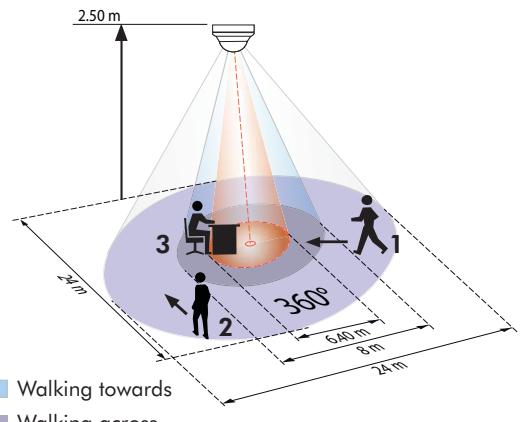
	110 - 240 VAC, 50/60 Hz
	360°
	max. Ø 10 m (across)
	SM/FC = IP20 / Class II / CEE
	-25 °C to +50 °C
	Housing UV- and shock resistant polycarbonate
	IR-PD-DALI-E, IR-Adapter for Smartphones
Channel 1 (control the lighting)	
	max. 50 DALI/DSI EB
	1 min. - 30 min.
	10 - 2000 Lux



Type	Colour	Part number
PD2-M-DALI/DSI-SM	white	92280
PD2-M-DALI/DSI-FC	white	92258
Accessory		
IR-Adapter	black	92726
Remote control IR-PD-DALI-E	grey	92122

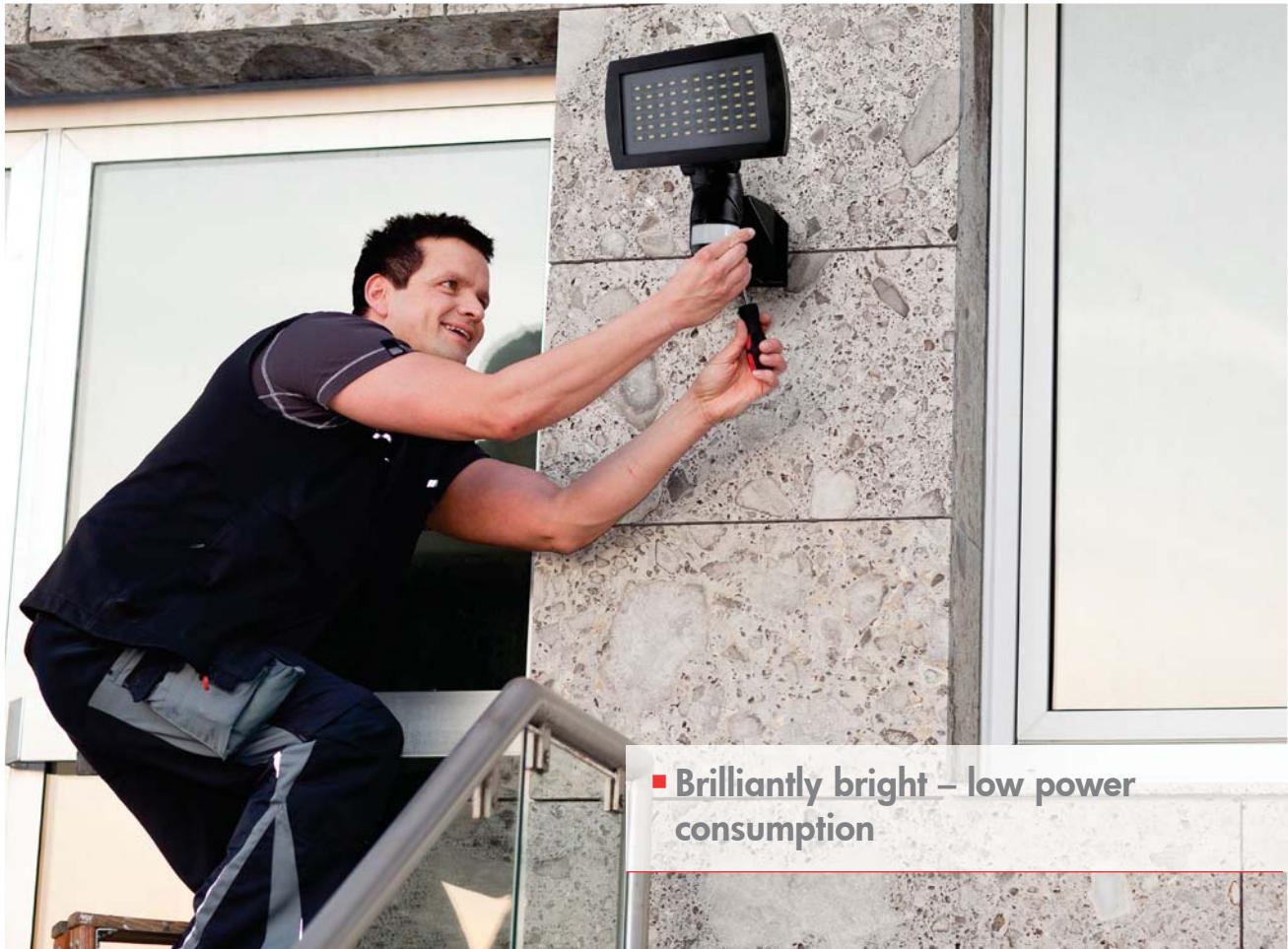
LUXOMAT® PD4-M-DALI/DSI-SM and -FC – Detector DALI for large surfaces

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



Type	Colour	Part number
PD4-M-DALI/DSI-SM	white	92279
PD4-M-DALI/DSI-FC	white	92275
Accessory		
IR-Adapter	black	92726
Remote control IR-PD-DALI-E	grey	92122

Moved into a pleasant light – LUXOMATIC® floodlights



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 parkinglot 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

	230V~ ±10%
	Ø 360°
	max. Ø 0.4 - 16 m (across)
	IP40 / Class II / CEE
	Ø 275 x H 85 mm
	-15°C to +30°C
	made of acrylic glass

Illuminant

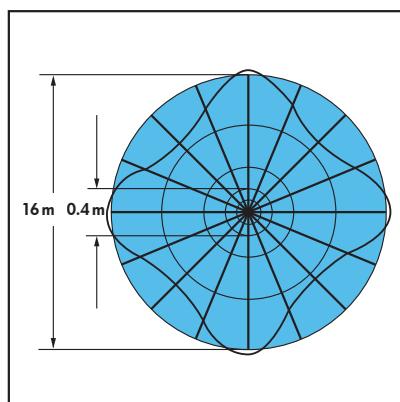
	max. 60W Halogen / energy-saving or LED lamp with E27 bulb socket
--	---

Channel 1 (control the lighting)

	1200W
	5 sec. - 15 min.
	2 - 2000 Lux
	5.8 GHz, <10 mW

Type	Colour	Part number
HF-L1	white	94440

Montaje en techo



Walking across o (across)



LUXOMATIC® L1

	230V~ ±10%
	IP40 / Class II / CEE
	Ø 275 x H 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

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

Illuminant

	R7s (118 mm) max. 500W
--	------------------------

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



LUXOMATIC® FLC 150 and FLC 500

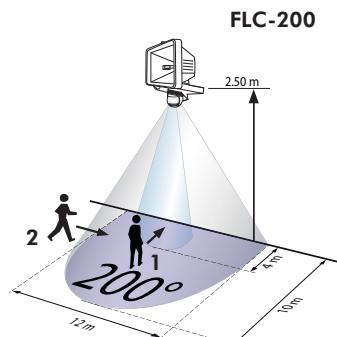
	230V~ ±10%
	140° / 200°
	max. 12 m (across)
	IP44 / Class I / CE
	-25 °C to +50 °C
	Die-cast aluminium floodlight, motion detector made of highquality, UV-resistant polycarbonate

Illuminant

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

Channel 1 (control the lighting)

	4 sec. - 10 min.
	2 - 2000 Lux



- 1 Walking towards
- 2 Walking across

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 150W and FL 500W

	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



Floor lights



LUXOMATIC® FL2N-LED 230 and FL2N-LED



110-240VAC, 50/60 Hz



230°



max. 20 m (across)



IP44 / Class I / CE



-25 °C to +50 °C



Die-cast aluminium flood-light, motion detector made of highquality, UV-resistant polycarbonate

IR-RC,
IR-Adapter for Smartphones

60 diodes

Consumption total 26 W**Channel 1 (control the lighting)**

2300W, cosφ= 1



1150VA, cosφ= 0.5

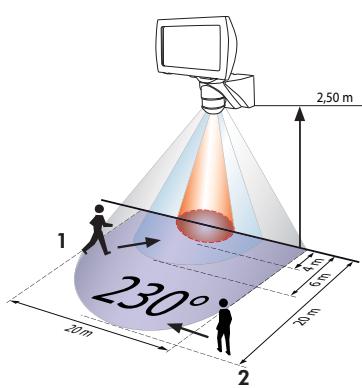


15 sec. - 16 min. or pulse



2 - 2000 Lux

FL2N-LED-230



1 Walking towards

2 Walking across

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
Accessory		
IR-Adapter	black	92726
IR-RC	grey	92000



LUXOMATIC® FL3N-LED 130 and FL3N-LED



110-240VAC, 50/60 Hz



130°



max. 10 m (across)



IP44 / Class I / CE



-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)**

1000W, cosφ= 1



500VA, cosφ= 0.5

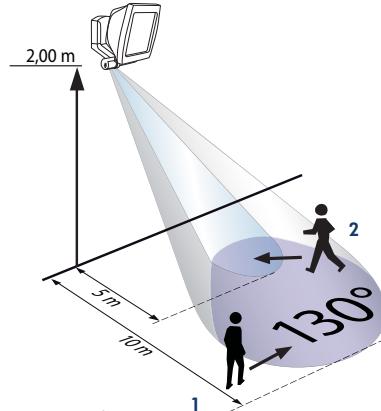


30 sec. - 30 min. or pulse



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



LUXOMAT® CdS-T-SM

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

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

Channel 1 (control the lighting)

- 2300W, cos φ = 1
1150VA, cos φ = 0.5
- 2 - 300 Lux

Timer function



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

LUXOMAT® CdS-SM

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

Channel 1 (control the lighting)

- 2300W, cos φ = 1
1150VA, cos φ = 0.5

On and off delay:
1 - 120 sec.

- 2 - 2000 Lux

Type	Colour	Part number
CdS-SM	white	92369

LUXOMAT® CdS-R

- 230V~ ±10%
- Housing IP20 / II / CE
Sensor IP54 / II / CE
- 25 °C to +50 °C
- made of high-quality and UV-resistant polycarbonate

Channel 1 (control the lighting)

- 1000W, cos φ = 1
350VA, cos φ = 0,4

On and off delay:
10 - 15 sec.

- 2 - 100 Lux

Type	Colour	Part number
CdS-R	white	92365



Photocells for installation in lights



IR-Adapter

LUXOMAT® CdS-FC

	110 - 240 VAC, 50/60 Hz
	IP20 / Class II / CE
	-25 °C to +50 °C
	Housing UV- and shock resistant polycarbonate
	IR-CdS-FC, IR-Adapter for Smartphones
Channel 1 (control the lighting)	
	2000 W, cosφ= 1
	1000 VA, cosφ= 0.5
	Deactivation delay: 5 sec. - 30 min.
	10 - 2000 Lux

Type	Colour	Part number
CdS-FC	white	92249
Accessory		
IR-Adapter	black	92726
Remote control IR-CdS-FP	grey	92396



IR-Adapter

LUXOMAT® CdS-DIM-FC

	110 - 240 VAC, 50/60 Hz
	IP20 / Class II / CE
	-25 °C to +50 °C
	Housing UV- and shock resistant polycarbonate
	IR-CdS, IR-Adapter for Smartphones
Channel 1 (control the lighting)	
	2300 W, cosφ= 1
	1150 VA, cosφ= 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
Accessory		
IR-Adapter	black	92726
Remote control IR-CdS	grey	92577



SM



FC



IR-Adapter



LUXOMAT® CdS-DALI/DSI-SM and -FC

	110 - 240 VAC, 50/60 Hz
	IP54 / Class II / CE
	-25 °C to +50 °C
	Housing UV- and shock resistant polycarbonate
	IR-CdS, IR-Adapter for Smartphones
Channel 1 (control the lighting)	
	2300 W, cosφ = 1
	1150 VA, cosφ = 0.5
	1 min. - 30 min.
	0 - 2000 Lux

Type	Colour	Part number
CdS-DALI/DSI-SM	white	92563
CdS-DALI/DSI-FC	white	92562
Accessory		
IR-Adapter	black	92726
Remote control IR-CdS	grey	92577

LUXOMAT® TS-DD



	230 V~ ±10 %
	Light sensors: IP54 / Class II / CE
	-35°C to +50°C
	Housing UV- and shock resistant polycarbonate
Channel 1 (control the lighting)	
	Bulb load 1000 W, cosφ = 1
	Fluorescent lamp compensated 600 W
	Halogen lamps 450 W
	Activation delay: approx. 8 sec.
	Deactivation delay: approx. 40 sec.
	1 - 100 Lux / 50 - 1000 Lux

Type	Colour	Part number
TS-DD	white	92681

B.E.G. LUXOMAT® IR-Adapter



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

Code: 92726

Available on the
App Store

GET IT ON
Google play

Most of the movement and occupancy detectors of **B.E.G.** can be set with an infrared remote control. Due 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 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-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. operates a policy of continuous product improvement and development. And reserve the right to change the product specifications of any time. Errors excepted.

B.E.G.

ISO 14001

ISO 9001



Environmental Management

Quality Management

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**LUXOMAT®****B.E.G. KNX**