B.E.G. The lighting control professionals

PD11-M-1C-FLAT 92583

B.E.G. LUXOMAT®

110–240 V~ ☼ 2300 W
50/60 Hz μ ⊏⊐ 1150 VA

IP20

0.5–1.5 □

10mm

UK
CA

B.E.G. Brück Electronic GmbH
www.beg-luxomat.com

16059613

ENERGY-EFFICIENT LIGHTING CONTROL

ENVIRONMENT

beg-luxomat.com

Do you need more
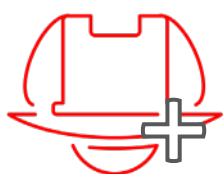## information?

Visit us online!

Our customer-oriented planning, develop-
ment, consulting and other services are con-
vincing, as are our high-quality products.

The entire product range is waiting for you
and your exciting projects on our website.
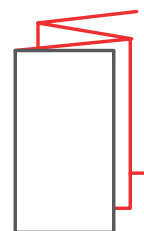Would you prefer to be advised first?

No problem. Feel free to contact us! We are
looking forward to hearing from you.

www.beg-luxomat.com

Accessories

Find the right accessory for your application -
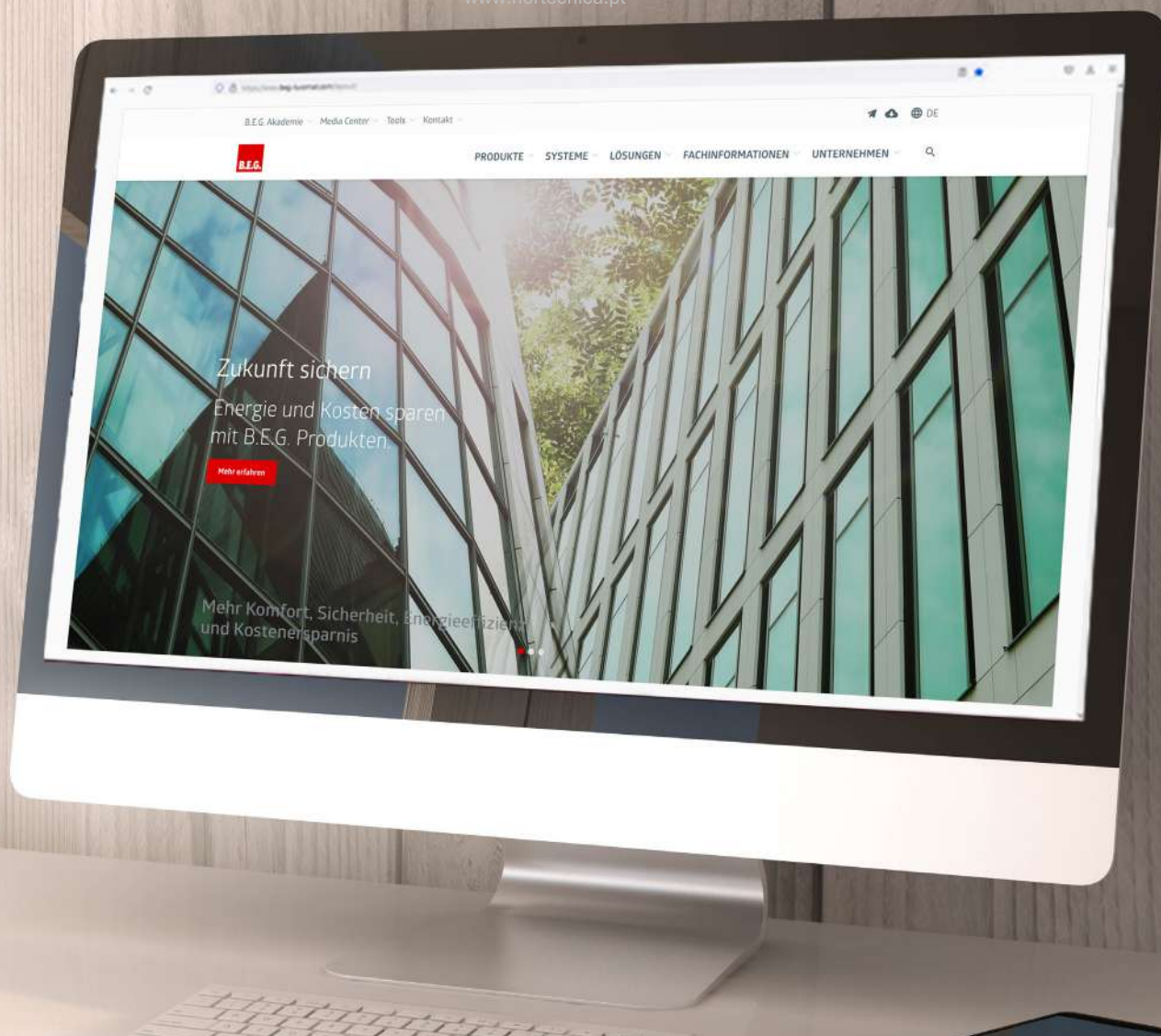remote-controls, bases, blinds, ball protection
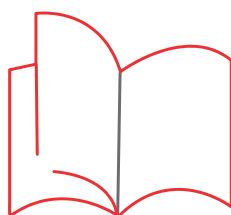baskets, etc.

Operatin

Find the corres
for all devices

You need more information? Contact us. We will be happy to help you.

Phone   +49 22 66 90 12 10 I E-Mail vertrieb@beg.com

...ting instructions

...rresponding operating instructions
...es online for downloading.

Online catalogues

Would you like to get a more detailed
overview of our product range? All print
publications are available for you to
download.

www.beg-luxomat.com

B.E.G. Brück Electronic GmbH – We offer solutions and stand by your side as a strong partner

For decades, we at B.E.G. have been developing and manufacturing quality products that bring you more comfort, energy savings and safety.

Today, our B.E.G. occupancy detectors, motion detectors, sensors and actuators control lighting, room temperature, air quality, ventilation and shading fully automatically. They can thus contribute to significant energy savings and safety during building use - without users having to think about it in everyday life.

From manufacturer to solution provider

In addition to our products, we focus on customer-oriented planning, development, consulting and services. B.E.G. has thus long since ceased to be a pure product manufacturer. With over 800 products for numerous applications and their integration into established systems in building automation such as BACnet, NETx, KNX, DALI-2 and Casambi, our product range is extensive and enables a high degree of flexibility.

Our medium-sized electrical engineering company B.E.G. Brück Electronic GmbH, based in Lindlar in the Oberberg region of Germany, has been family-run since 1975. With 13 foreign branches and a total of over 260 employees, we offer customer proximity worldwide. We are known for a wide range of products and accessories, flexible, customer-specific product development and application-relevant, specialised advice for networked products.

Are you looking for a specialist in building systems technology? Contact us, we are glad to be of service to you!

B.E.G. Brück Electronic GmbH

LEGEND

△	Range
Ⓤ	Voltage
⃞IP	Degree / class of protection
⌇	Switching power
⏻	Power consumption
Ⓐ	Current

MOUNTING TYPES

SM	Surface mounted
FC	Ceiling mounted
FM	Flush mounted

The illustrations in this catalogue regarding the design, size and colour of the devices are not binding. We reserve the right to make changes in technology and design for the purpose of product improvement, as well as errors.

B.E.G. LUXOMAT®

RC-plus next N 130

Motion detectors for outdoor areas

Providing light where it is needed

Coming home safely on illuminated paths - that was not always a matter of course. Today, motion detectors belong on every house wall. With our B.E.G. outdoor detectors LUXOMAT® RC-plus next N or LC-plus 280 you get a piece of security and well thought out quality that is constantly evolving with our wealth of experience and customer demands.

Our high-quality B.E.G. motion detectors have a wide range of adjustment options. The movable ball head ensures optimum alignment. The detection range can be individually limited by means of blinds, and sources of interference such as a busy road can be blanked out. The adjustment elements for mechanical range regulation and the potentiometers for twilight and time adjustment are each located on the underside of the sensor head. These additional functions can be set up and adjusted even more conveniently at any time with the optionally available remote-controls or the free B.E.G. One app and a BLE/IR adapter via smartphone.
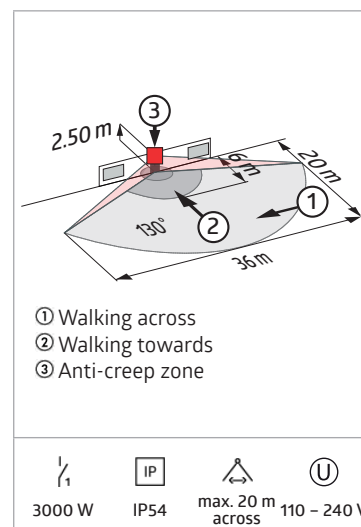
Outdoor motion detectors

LUXOMAT® RC-plus next N 130

- Motion detector with 130° detection area and anti-creep zone
- Mechanical range adjustment
- Different follow-up time depending on direction of movement
- Uninterrupted parallel circuit detection of several detectors
- Manual switching via push-button possible
- Adjustable ball head
- Immediate operation using factory settings
- Additional functions can be set up using the optional remote control.
- Zero crossing switching
- Socket compatible to RC-plus (next) and Vario
- Easy mounting thanks to plug base
- Wall, ceiling and corner mounting
- Factory settings 3 min and 20 lux

① Walking across
② Walking towards
③ Anti-creep zone

3000 W | IP54 | max. 20 m across | 110 – 240 V

Description	Colour	Part number
RC-plus next N 130	white mat, similar to RAL9010	93321
RC-plus next N 130	black mat, similar to RAL9005	93323
RC-plus next N 130	brown mat, similar to RAL8014	93324

LUXOMAT® RC-plus next N 230

- Motion detector with 230° detection area and anti-creep zone
- Mechanical range adjustment
- Different follow-up time depending on direction of movement
- Uninterrupted parallel circuit detection of several detectors
- Manual switching via push-button possible
- Adjustable ball head
- Immediate operation using factory settings
- Additional functions can be set up using the optional remote control.
- Zero crossing switching
- Socket compatible to RC-plus (next) and Vario
- Easy mounting thanks to plug base
- Wall, ceiling and corner mounting
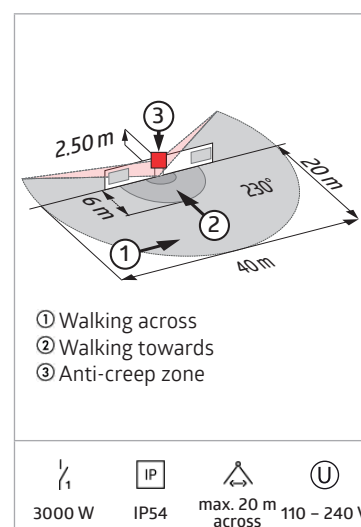- Factory settings 3 min and 20 lux

① Walking across
② Walking towards
③ Anti-creep zone

3000 W | IP54 | max. 20 m across | 110 – 240 V

Description	Colour	Part number
RC-plus next N 230	white mat, similar to RAL9010	93331
RC-plus next N 230	black mat, similar to RAL9005	93333
RC-plus next N 230	brown mat, similar to RAL8014	93334
RC-plus next N 230	silver mat, similar to RAL9006	93346

LUXOMAT®   You can find corresponding accessories on our homepage.
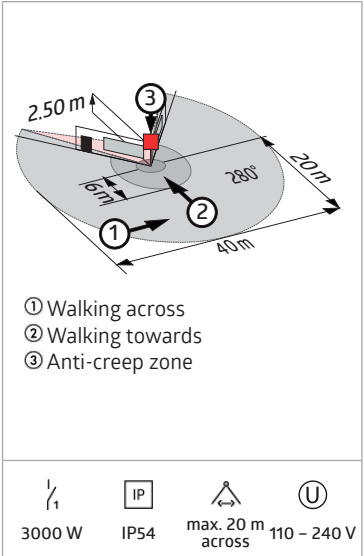
Outdoor motion detectors

LUXOMAT® RC-plus next N 280

- Motion detector with 280° detection area and anti-creep zone
- Mechanical range adjustment
- Different follow-up time depending on direction of movement
- Uninterrupted parallel circuit detection of several detectors
- Manual switching via push-button possible
- Adjustable ball head
- Immediate operation using factory settings
- Additional functions can be set up using the optional remote control.
- Zero crossing switching
- Socket compatible to RC-plus (next) and Vario
- Special socket for external corner mounting included
- Easy mounting thanks to plug base
- Wall, ceiling and corner mounting
- Factory settings 3 min and 20 lux

① Walking across
② Walking towards
③ Anti-creep zone

3000 W	IP54	max. 20 m across	110 – 240 V

Description	Colour	Part number
RC-plus next N 280	white mat, similar to RAL9010	93341
RC-plus next N 280	black mat, similar to RAL9005	93343
RC-plus next N 280	brown mat, similar to RAL8014	93344

Outdoor motion detectors

LUXOMAT® LC-Click-N 140

- Motion detector with 140° detection area and 180° anti-creep zone
- Adjustable ball head
- Detection area can be restricted with blinds
- Zero crossing switching
- Simple mounting thanks to plug base
- Cable entry possible from above, from below and from behind
- Can be mounted on standard flush-mount boxes

① Walking across
② Walking towards
③ Anti-creep zone

1000 W | IP54 | max. 12 m across | 110 – 240 V
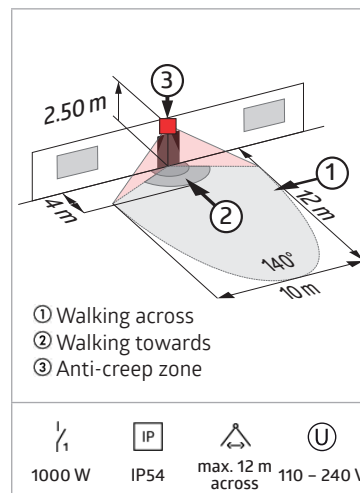
Description	Colour	Part number
LC-Click-N 140	white mat, similar to RAL9010	91001
LC-Click-N 140	black mat, similar to RAL9005	91021

LUXOMAT® LC-Click-N 200

- Motion detector with 200° detection area and 180° anti-creep zone
- Adjustable ball head
- Detection area can be restricted with blinds
- Zero crossing switching
- Simple mounting thanks to plug base
- Cable entry possible from above, from below and from behind
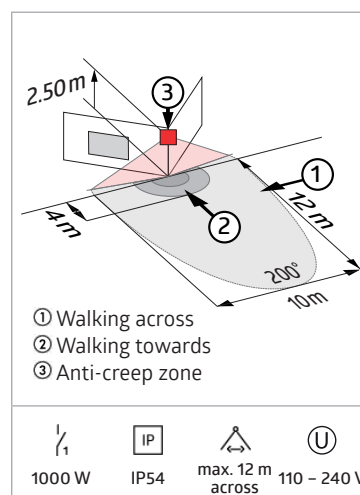- Can be mounted on standard flush-mount boxes

① Walking across
② Walking towards
③ Anti-creep zone

1000 W | IP54 | max. 12 m across | 110 – 240 V

Description	Colour	Part number
LC-Click-N 200	white mat, similar to RAL9010	91002
LC-Click-N 200	brown mat, similar to RAL8014	91012
LC-Click-N 200	black mat, similar to RAL9005	91022

B.E.G. LUXOMAT®

Ceiling motion detectors for indoor areas

Light as soon as you enter a room, corridor, staircase or cellar.

Both the continuous operation of a light source and the search for the light switch in the dark are no longer necessary where indoor motion detectors provide lighting and safety. A motion detector reliably detects moving heat sources within its detection range. It then switches on the light according to the respective ambient brightness. As soon as no more movement is detected, the detector automatically switches the light off again after the preset follow-up time has elapsed. This reduces the building's energy consumption, in some cases considerably, and allows building users to keep their hands and heads free for other things.

Our detectors are PIR detectors (passive infra-red detectors), which means that they do not emit any radiation themselves, but detect a change in the presence of infrared sources, such as human body.
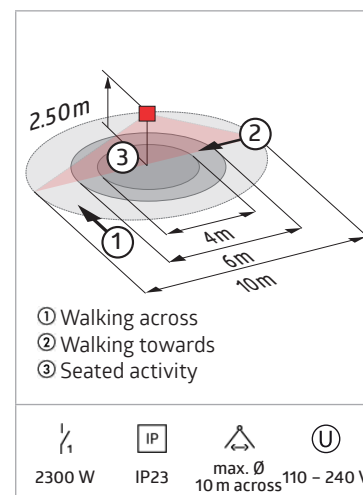
Ceiling-mounted motion detectors

LUXOMAT® PD3N-1C

- Remote control-capable ceiling motion detector
- One channel for light switching
- Zero crossing switching
- Special optical system for detection of even the smallest movements
- Uninterrupted parallel circuit detection of several detectors
- Manual switching via push-button possible
- Additional functions can be set up using the optional remote control.
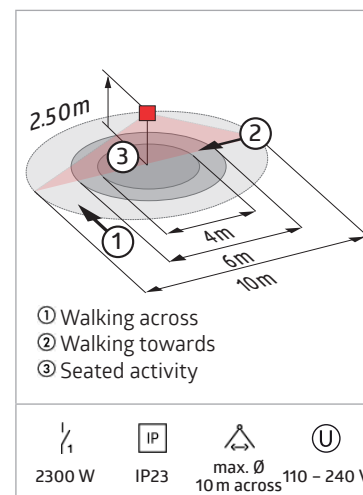- Factory settings 10 min and 500 lux

① Walking across
② Walking towards
③ Seated activity

2300 W | IP23 | max. Ø 10 m across | 110 – 240 V

Description	Colour	Part number
PD3N-1C-FC	white mat, similar to RAL9010	92196
PD3N-1C-SM	white mat, similar to RAL9010	92190
PD3N-1C-FM	white mat, similar to RAL9010	92186

LUXOMAT® PD3N-1C Micro

- Remote control-capable ceiling motion detector with integrated acoustic sensor
- One channel for light switching
- Zero crossing switching
- Special optical system for detection of even the smallest movements
- Additional functions can be set up using the optional remote control.

① Walking across
② Walking towards
③ Seated activity

2300 W | IP23 | max. Ø 10 m across | 110 – 240 V

Description	Colour	Part number
PD3N-1C-FC Micro	white mat, similar to RAL9010	92184
PD3N-1C-SM Micro	white mat, similar to RAL9010	92219

LUXOMAT®

You can find corresponding accessories on our homepage.

Ceiling-mounted motion detectors

LUXOMAT® PD3N-1C-NO-PF

- Remote control-capable ceiling motion detector
- One potential-free (dry) switching contact
- Zero crossing switching
- Special optical system for detection of even the smallest movements
- Additional functions can be set up using the optional remote control.

① Walking across
② Walking towards
③ Seated activity

2300 W	IP23	max. Ø 10 m across	110 – 240 V
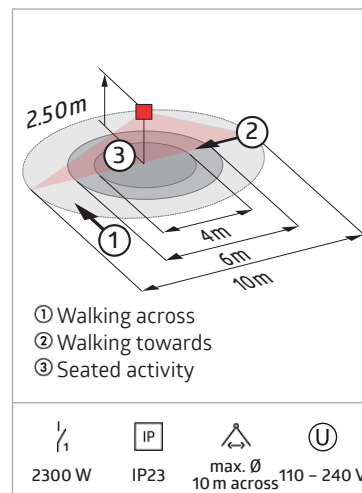
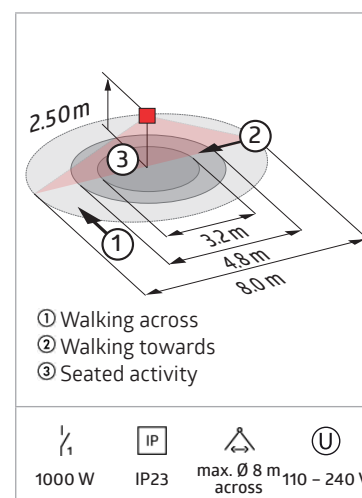| Description	Colour	Part number
PD3N-1C-NO-PF-FC	white mat, similar to RAL9010	92576

LUXOMAT® BL2

- Ceiling motion detector for indoor use with a 360° detection area
- For mounting in suspended ceilings
- One channel for light switching
- Zero crossing switching
- Easy parameterising by remote control (optional)
- Basic functions for cost-effective applications
- Ready-to-operate thanks to factory settings
- Accessory for surface mounting and flush mounting available
- Factory setting: High detection sensitivity, follow-up time 3 min, switch-on threshold 500 lux

① Walking across
② Walking towards
③ Seated activity

1000 W	IP23	max. Ø 8 m across	110 – 240 V

Description	Colour	Part number
BL2-FC	white	93317
10 x BL2-FC	white	93327

You can find corresponding accessories on our homepage.
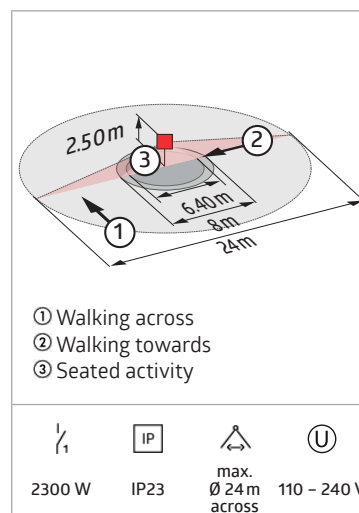
LUXOMAT®

Ceiling-mounted motion detectors

LUXOMAT® PD4N-1C

- Remote-control capable ceiling motion detector with large detection range
- One channel for light switching
- Zero crossing switching
- Special optical system for detection of even the smallest movements
- Uninterrupted parallel circuit detection of several detectors
- Manual switching via push-button possible
- Additional functions can be set up using the optional remote control.
- Factory settings 10 min and 500 lux

2.50 m

6.40 m

8 m

24 m

① Walking across
② Walking towards
③ Seated activity

2300 W	IP23	max. Ø 24 m across	110 – 240 V

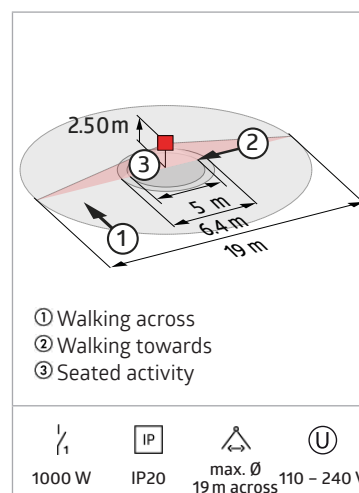| Description	Colour	Part number
PD4N-1C-FC	white mat, similar to RAL9010	92149
PD4N-1C-SM	white mat, similar to RAL9010	92144
PD4N-1C-FM	white mat, similar to RAL9010	92151

LUXOMAT® BL4-FC

- Ceiling motion detector for indoor use with a 360° detection area
- For mounting in suspended ceilings
- One channel for light switching
- Manual switching via push-button possible
- Easy parameterising by remote control (optional)
- Basic functions for cost-effective applications
- Ready-to-operate thanks to factory settings
- Accessory for surface mounting and flush mounting available
- Factory setting: High detection sensitivity, follow-up time 3 min, switch-on threshold 500 lux

10x

2.50 m

5 m

6.4 m

19 m

① Walking across
② Walking towards
③ Seated activity

1000 W	IP20	max. Ø 19 m across	110 – 240 V

Description	Colour	Part number
BL4-FC	white mat, similar to RAL9010	93288
10 x BL4-FC	white mat, similar to RAL9010	93247

LUXOMAT®

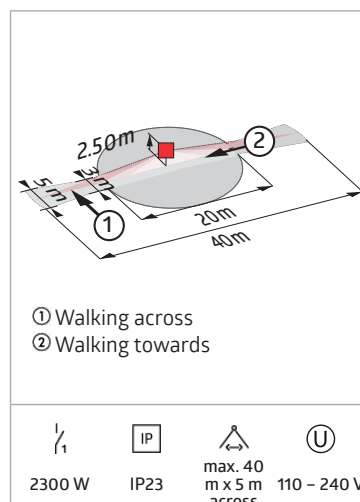You can find corresponding accessories on our homepage.

Ceiling-mounted motion detectors

LUXOMAT® PD4N-1C-C

- Remote control-capable ceiling motion detector designed for corridors
- One channel for light switching
- Zero crossing switching
- Special optical system for detection of even the smallest movements
- Additional functions can be set up using the optional remote control.
- Uninterrupted parallel circuit detection of several detectors
- Manual switching via push-button possible
- Factory settings 10 min and 500 lux
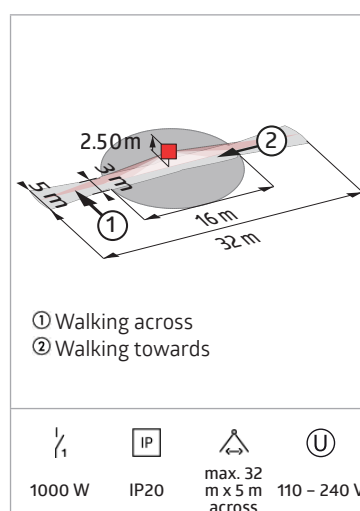- There are markings to ensure correct alignment during installation

2.50m
5 m
20 m
40 m

① Walking across
② Walking towards

⌐/1	IP	△	Ⓤ
2300 W	IP23	max. 40 m x 5 m across	110 – 240 V

Description	Colour	Part number
PD4N-1C-C-FC	white mat, similar to RAL9010	92274
PD4N-1C-C-SM	white mat, similar to RAL9010	92270

LUXOMAT® BL4-C-FC

- Remote control-capable ceiling motion detector designed for corridors
- For mounting in suspended ceilings
- One channel for light switching
- Zero crossing switching
- Manual switching via push-button possible
- Easy parameterising by remote control (optional)
- Basic functions for cost-effective applications
- Ready-to-operate thanks to factory settings
- Accessory for surface mounting and flush mounting available
- There are markings to ensure correct alignment during installation
- Factory setting: High detection sensitivity, follow-up time 3 min, switch-on threshold 500 lux

2.50 m
5 m
16 m
32 m

① Walking across
② Walking towards

⌐/1	IP	△	Ⓤ
1000 W	IP20	max. 32 m x 5 m across	110 – 240 V

Description	Colour	Part number
BL4-C-FC	white mat, similar to RAL9010	93284
10 x BL4-C-FC	white mat, similar to RAL9010	93231

10x

You can find corresponding accessories on our homepage.
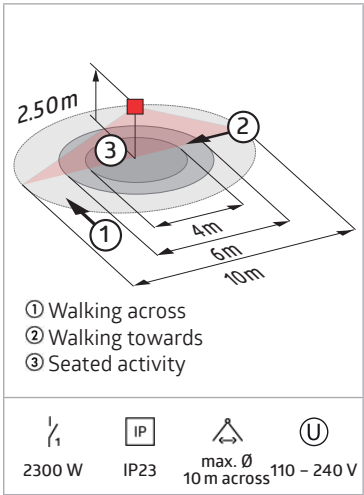
LUXOMAT®

Ceiling-mounted motion detectors

LUXOMAT® PD3N-2C

- Remote control-capable ceiling motion detector
- One channel for light switching
- Zero crossing switching
- One additional potential-free (dry) contact for HVAC
- Additional functions can be set up using the optional remote control.
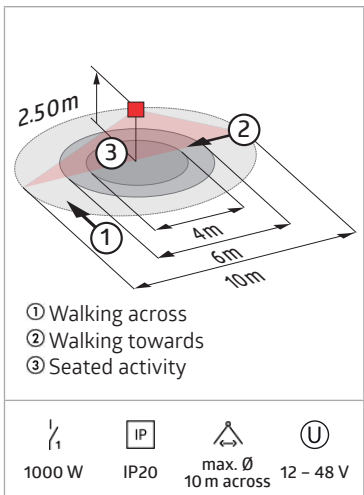
2.50 m

① Walking across
② Walking towards
③ Seated activity

2300 W	IP23	max. Ø 10 m across	110 – 240 V

Description	Colour	Part number
PD3N-2C-FC	white mat, similar to RAL9010	92198
PD3N-2C-FM	white mat, similar to RAL9010	92188

LUXOMAT® PD9-1C-12-48V

- Mini-motion detector with operating voltage 12-48 V
- One channel for light switching
- Easy installation on device
- Power supply passes through the hole in the ceiling for the detector (34 mm Ø)
- Spring clips for quick and easy installation in suspended ceilings and light fittings
- Includes 45 mm cover ring and blinds

2.50 m

① Walking across
② Walking towards
③ Seated activity

1000 W	IP20	max. Ø 10 m across	12 – 48 V

Description	Colour	Part number
PD9-1C-12-48V-FC	white mat, similar to RAL9010	92985

LUXOMAT®

You can find corresponding accessories on our homepage.

3

B.E.G. LUXOMAT®

Twilight detectors

Conveniently switching the light with the integrated automatic function

Twilight detectors are the right choice wherever lighting needs to be switched on or off automatically at dawn or at dusk solely on the basis of the brightness value. Light sensors measure the ambient light and switch the lighting on or off depending on the preset switch-on threshold. The light can thus be controlled depending on the twilight and energy is saved.

For this purpose, B.E.G. offers twilight switches for various applications: for profile rails, for device installation, for wall or pole mounting as well as remote-controlled products. In addition to a dimmable version, there is also a twilight detector with an additional DALI/DSI interface in the range.
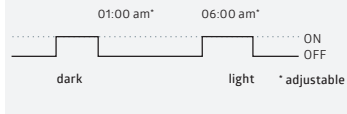
Photoelectric switches

LUXOMAT® CdS-T

- Remote control-capable photoelectric switch with integrated timer
- Energy-saving period may be programmed with the integrated timer by the touch of a button
- Inputting the current light value by the touch of a button
- Infrared remote-control included
- Relay with tungsten pre-make contact, optimised for LED loads

Timer function

2300 W	IP54	110 – 240 V	< 0.5 W

Description	Colour	Part number
CdS-T-SM	white mat, similar to RAL9010	92367

LUXOMAT® CdS

- Photoelectric switch for automatically switching
- Activation and deactivation delay with self-learning deactivation-light value
- Integrated automatic function (10 Lux / 40 sec. activation / 120 sec. deactivation delay)
- LED adjustment aid (without delay) for adjustment of the switch-on threshold
- Light value and activation/deactivation delay may be set from the outside using the potentiometer
- Double cable inlet from underneath possible
- Wall and mast installation

2300 W	IP54	110 – 240 V	< 0.5 W

Description	Colour	Part number
CdS-SM	white	92369

LUXOMAT®   You can find corresponding accessories on our homepage.

Photoelectric switches

LUXOMAT® CdS

- Remote control-capable photoelectric switch
- Extra flat form – only 6 mm high
- Adjustable deactivation delay with selflearning deactivation and twilight value

$\overset{I}{\underset{1}{/}}$	IP	ⓤ	⏻
2000 W	IP20	110 – 240 V	< 1 W

Description	Colour	Part number
CdS-FC	white mat, similar to RAL9010	92249

LUXOMAT® CdS-R

- Photoelectric switch with switch relay
- For retrofitting in outdoor lights and for use in branch boxes
- Continuously variable switch-on threshold
- The cable between the photo sensor and electronic unit is around 15 cm long and may be extended to a maximum of 1.50 m

$\overset{I}{\underset{1}{/}}$	IP	ⓤ	⏻
1000 W	Housing IP20	110 – 240 V	< 0.5 W

| Description	Colour	Part number
CdS-R	black mat, similar to RAL9005	92365

Photoelectric switches

LUXOMAT® TS-DD

- Photoelectric switch set for DIN rail
- LED adjustment aid (without delay) for adjustment of the switch-on threshold
- Electronic component for installation onto DIN rail for convenient adjustment in the control cabinet
- Switches off at around 1.3 times the activation value
- Separate light sensor for surface or flush installation (included)

Resistive loads 1000 W	Light sensor IP54	230 V	10 mA

Description	Colour	Part number
TS-DD	white glossy, similar to RAL7047	92681

LUXOMAT® CdS-DIM

- Remote controllable, photoelectric switch with ability to dim, for ceiling mounting
- Illumination can be dimmed to a desired brightness value.
- Actual light value can be read and delay time can be set using the optional infrared remote-control
- For connection of up to 50 EB
- Constant light regulation
- Dynamic switch-on delay
- Relay with tungsten pre-make contact, optimised for LED loads
- Avoidance of standby losses of the lighting system in accordance with EnEV DIN V 18599-4

2300 W	IP20	110 – 240 V	< 1 W

Description	Colour	Part number
CdS-DIM-FC	white mat, similar to RAL9010	92589

LUXOMAT®

You can find corresponding accessories on our homepage.

LUXOMAT® OCCULOG-1C

- VOC indicator for good air quality
- Thanks to the coloured LED display, the current air quality can be quickly recognised even from a distance by means of the LED colours.
- Traffic light function: red - ventilation mandatory, yellow - ventilation recommended, green - good air quality.
- Air quality measuring method VOC or CO2 equivalent
- Two limit values (yellow/red) for air quality
- In addition, an acoustic signal can be assigned to a limit value.
- One additional potential-free (dry) contact for HVAC
- The supplied 5-button remote control allows selection between three different limit value profiles.
- Parameterisable via accessory BLE/IR adapter 93067

1000 W / 6 A	IP20	110 – 240 V	approx. 1 W

Description	Colour	Part number
OCCULOG-1C-FC	white mat, similar to RAL9010	93563

You can find corresponding accessories on our homepage.

4

B.E.G. LUXOMAT®

Occupancy detectors for indoor areas

Occupancy detectors - maximum energy efficiency and pleasant comfort

Buildings play an important role in climate protection. They account for around 38 % of our CO_2 emissions. Occupancy detectors can greatly reduce energy consumption in buildings. Our high-quality B.E.G. occupancy detectors automatically provide optimum lighting conditions in all interior rooms, without having to think about light. An occupancy detector permanently measures the brightness. Installed in the room, it detects when someone enters the room and is able to detect even the smallest movements such as the tap of a finger on a computer mouse.

Whenever movement is detected and the brightness is below the set lux value, the lighting is switched on or maintained. If sufficient daylight illuminates the room, the artificial light can be automatically dimmed or switched off. This results in particularly high energy savings. Unobtrusive in design, ultra-light for large ceiling panels or for difficult lighting situations - we have developed the right detector for almost every customer need.

Ceiling mounted occupancy detectors

LUXOMAT® PD2-M-1C

- Occupancy detector with one potential-free dry contact
- Version as master device
- One channel for light switching
- Detection area can be extended with slave devices
- Manual switching via push-button possible
- Additional functions can be set up using the optional remote control.
- Factory settings 10 min and 500 lux

2.50m
4m
6m
10m

① Walking across
② Walking towards
③ Seated activity

| I/1 | IP | max. Ø 10 m across | U |
| 2300 W | IP20 | | 110 – 240 V |
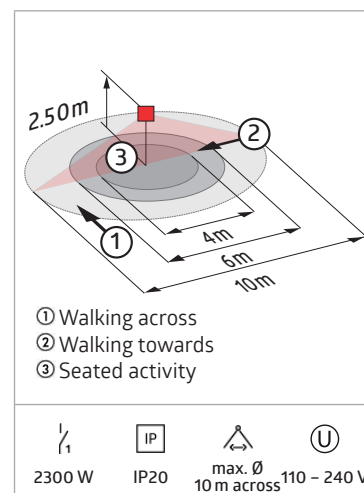
Description	Colour	Part number
PD2-M-1C-FC	white mat, similar to RAL9010	92565
PD2-M-1C-SM	white mat, similar to RAL9010	92550
PD2-M-1C-FM	white mat, similar to RAL9010	92555

LUXOMAT® PD4-M-1C

- Occupancy detector with extended detection area
- One potential-free (dry) contact
- Version as master device
- Detection area can be extended with slave devices
- Manual switching via push-button possible
- Additional functions can be set up using the optional remote control.
- Factory settings 10 min and 500 lux

2.50m
6.40m
8m
24m

① Walking across
② Walking towards
③ Seated activity

| I/1 | IP | max. 24 m across | U |
| 2300 W | IP20 | | 110 – 240 V |
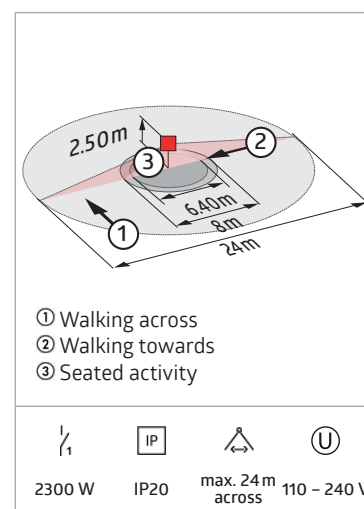
Description	Colour	Part number
PD4-M-1C-FC	white mat, similar to RAL9010	92585
PD4-M-1C-SM	white mat, similar to RAL9010	92580
PD4-M-1C-FM	white mat, similar to RAL9010	92575

You can find corresponding accessories on our homepage.
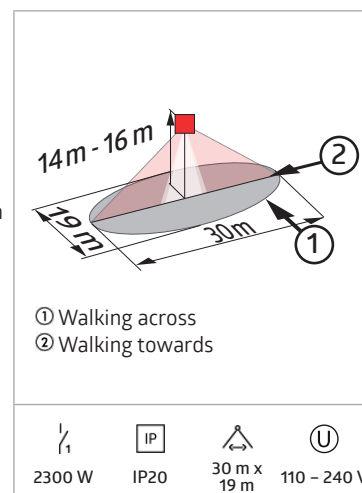
LUXOMAT®

Ceiling mounted occupancy detectors

LUXOMAT® PD4-M-1C-GH

- Occupancy detector designed for high-bay warehouses
- One potential-free (dry) switching contact
- Version as master device
- Detection area can be extended with slave devices
- **Easy operation with remote-control (required)**
- Manual switching via push-button possible
- There are markings to ensure correct alignment during installation
- **When used in high-bay warehouses, care should be taken that, in the cross-aisles of the warehouse, detectors are installed that can detect movement only in the desired aisle locations, by using blinds or other technical arrangements.**
- Factory settings 3 min and 1000 lux

14 m – 16 m
19 m
30 m

① Walking across
② Walking towards

$I/1$	IP		U
2300 W	IP20	30 m x 19 m	110 – 240 V

Description	Colour	Part number
PD4-M-1C-GH-SM	white mat, similar to RAL9010	92245

LUXOMAT® PD11-M-1C-FLAT

- Particularly flat occupancy detector without additional power supply
- Visible portion when built into ceiling: height 0.85 mm
- One channel for light switching
- Manual switching via push-button possible
- **Easy operation with remote-control (required)**
- Version as master device
- Detection area can be extended with slave devices
- Spring clips for quick and easy installation in suspended ceilings
- Includes blinds and clamp ring for installation into light fittings
- With accessories for flush-mounting in ceiling and exposed concrete
- Factory settings 10 min and 500 lux

2.50 m
3 m
6 m
9 m

① Walking across
② Walking towards
③ Seated activity

$I/1$	IP		U
2300 W	IP20	max. Ø 9 m across	110 – 240 V
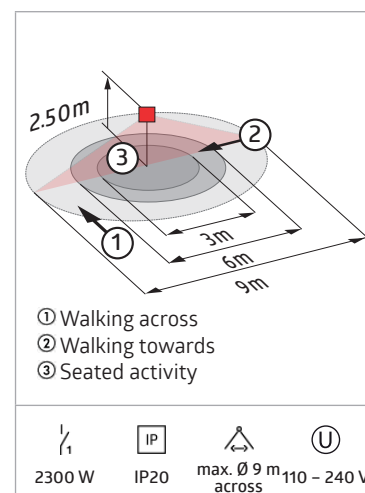
Description	Colour	Part number
PD11-M-1C-FLAT-FC	white mat, similar to RAL9010	92583

LUXOMAT®

You can find corresponding accessories on our homepage.

Ceiling mounted occupancy detectors

LUXOMAT® PD2N-M-1C-LED

- Remote control-capable occupancy detector for inside use with circular detection area
- Integrated LED light as separately adjustable orientation- and night light
- One channel for light switching
- Numerous setting and readout options via the bidirectional B.E.G. smartphone app
- Extension of the detection range possible by using up to 5 other PD2N-M-1C-LED
- Can be used as either Master device or Slave device

① Walking across
② Walking towards
③ Seated activity

2.50 m | 4 m | 6 m | 10 m
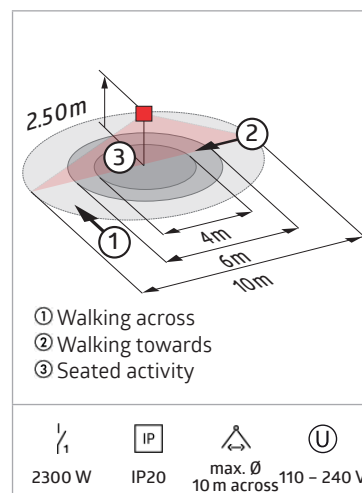
2300 W | IP20 | max. Ø 10 m across | 110 – 240 V

Description	Colour	Part number
PD2N-M-1C-LED-FC	white mat, similar to RAL9010	94055

LUXOMAT® PD9-M-1C

- Mini-occupancy detector
- One channel for light switching
- Version as master device
- Detection area can be extended with slave devices
- **Easy operation with remote-control (required)**
- Manual switching via push-button possible
- Power supply passes through the hole in the ceiling for the detector (34 mm Ø)
- Spring clips for quick and easy installation in suspended ceilings and light fittings
- Includes 45 mm cover ring and blinds
- Factory settings 10 min and 500 lux

① Walking across
② Walking towards
③ Seated activity

2.50 m | 4 m | 6 m | 10 m

2300 W | IP20 | max. Ø 10 m across | 110 – 240 V

Description	Colour	Part number
PD9-M-1C-FC	white mat, similar to RAL9010	92900

You can find corresponding accessories on our homepage.

LUXOMAT®

Wall detectors

LUXOMAT® Indoor 180-R

- Wall motion detector with acoustic sensor
- Relay version with three-wire technology
- Acoustic sensor independently adjustable
- Noise automatically extends follow-up time
- Manual switching via push-button possible
- Available with covering (centre plate dimensions 60 x 60 mm) or without covering for use with covering (centre plate dimensions 50 x 50 mm) in 5 different colours
- In combination with centre plates usable with current frame systems of various manufacturers
- B.E.G. frames and centre plates for combination with other frame systems available

1.10 m
10 m
3 m
12 m
180°

① Walking across
② Walking towards

1 / 1	IP	max. 10 m across	U
2300 W	IP20		110 – 240 V

Description	Colour	Part number
Indoor 180-R covering included	pure white mat, similar to RAL9010	92623
Indoor 180-R covering not included	–	92665

LUXOMAT® Indoor 140-L

- Wall-mounted occupancy detector with integrated pushbutton
- One channel for switching light (selectively main light or orientation light)
- Integrated downlight with the function of an orientation light or a night light
- Extension of the detection range possible by using up to 5 other Indoor 140-L
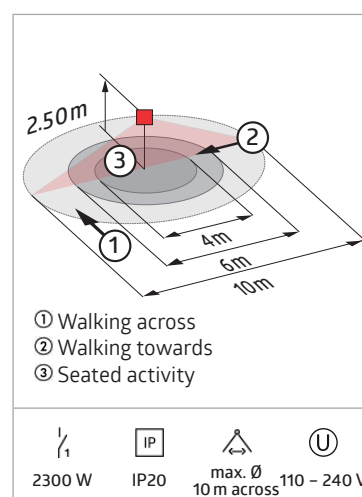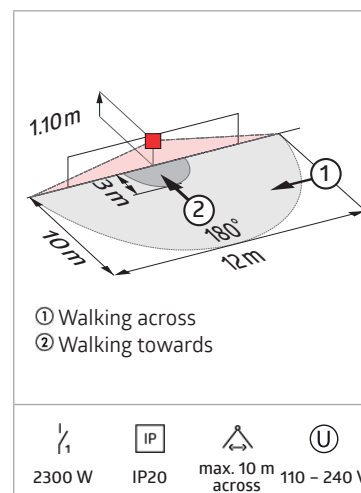- Can be used as either Master device or Slave device
- Relay with tungsten pre-make contact, optimised for LED loads
- Available with covering (centre plate dimensions 60 x 60 mm) or without covering for use with covering (centre plate dimensions 50 x 50 mm) in 4 different colours
- Please order coverings for EU version separately; available in various colours
- In combination with centre plates usable with current frame systems of various manufacturers
- B.E.G. frames and centre plates for combination with other frame systems available
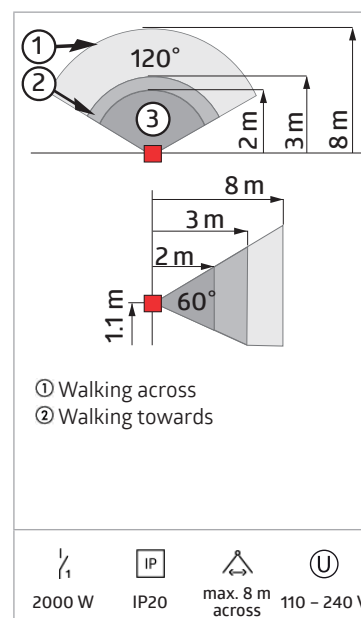
120°
① ②
③
2 m
3 m
8 m

8 m
3 m
2 m
1.1 m
60°

① Walking across
② Walking towards

1 / 1	IP	max. 8 m across	U
2000 W	IP20		110 – 240 V

Description	Colour	Part number
Indoor 140-L covering not included	–	94325
Indoor 140-L covering included	pure white glossy, similar to RAL9010	94328

LUXOMAT®

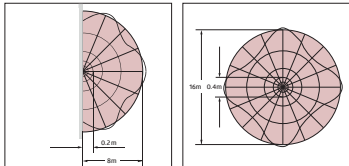You can find corresponding accessories on our homepage.

Microwave motion detector

LUXOMAT® HF-MD1

- Microwave motion detector, designed for surface mount and installation in lights
- Temperature-independent detection
- Detection can be made through various materials
- Range, switch-on threshold and follow-up time set via potentiometers

① Walking across or towards. The range depends on size and speed of the object.

1200 W	IP20	max. 8 m towards	230 V

Description	Colour	Part number
HF-MD1	white mat, similar to RAL9010	94401
HF-MD1 ESL	white mat, similar to RAL9010	94417

LUXOMAT® HF-MD2

- Microwave motion detector, designed for surface mount
- Temperature-independent detection
- Detection can be made through various materials
- Range, switch-on threshold and follow-up time set via potentiometers

① Walking across or towards. The range depends on size and speed of the object.

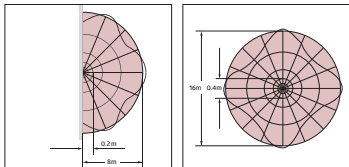|			
1200 W	IP20	230 V	approx. 1.2 W

Description	Colour	Part number
HF-MD2-SM	white mat, similar to RAL9010	94402

You can find corresponding accessories on our homepage.

LUXOMAT®

B.E.G. LUXOMAT® net

Modern lighting control with DALI solutions

DALI is the widely used professional tool for lighting control

Control light systematically via DALI because DALI is convenient, robust and stable. It enables completely individual lighting situations in rooms, e.g. via dimming. Retrofitting DALI is easy if 5-core cables are already available. Then two free cores can be used for the DALI bus of the lighting control system.

B.E.G. DALI compact products are "stand-alone solutions", they work according to the single-master principle. This means that only the occupancy detector sends the switching/dimming command to the luminaires. The DALI compact occupancy detectors from B.E.G. combine all the components required for energy-efficient lighting control in one housing: the DALI power supply unit, the push-button control, the relay and the application controller are housed directly in the detector. Thanks to the broadcast procedure and the presettings for the brightness setpoint (500 lux) and the follow-up time (10 minutes) that are already programmed ex works, the devices can be put into operation quickly. For optimal integration into a building, we offer a modular system for the majority of our detectors for different application areas. White, traffic white, anthracite and black are available for colour selection. Our DALI-2 certified compact detectors guarantee high functionality with all DALI-2 certified devices worldwide. The DALI portfolio from B.E.G. includes occupancy detectors for almost every challenge: e.g. with detection areas of different sizes, with an additional HVAC channel, with lenses especially for corridors or for great heights. Detectors that can be controlled by radio via the Casambi app. B.E.G. also offers an occupancy detector that can form several groups via just one DALI interface by addressing the connected luminaires. The area to be monitored is enlarged cost-effectively via slave devices.
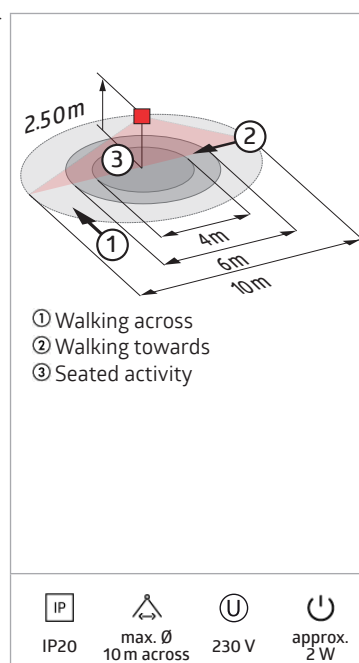
Occupancy detectors DALI Compact

LUXOMAT® PD2N-M-DACO DALI-2

- Occupancy detector with integrated DALI application controller for energy-efficient lighting control
- DALI-2 certified product
- Integrated DALI power supply
- DALI interface for controlling digital, dimmable ECGs in broadcast mode
- Manual switching or dimming via conventional pushbuttons
- Bidirectional IR communication enables fast integration into the project management function of the B.E.G. One app
- Complete range of functions can only be activated using the BLE-IR-Adapter and a compatible Smartphone or Tablet (Android, iOS).
- Semi-automatic, full automatic, presence-independent or light-independent mode adjustable
- Intelligent regulation algorithm with extensive setting options
- Software is backwards compatible with the first generation (except DSI, double lock and corridor function)
- Factory setting 10 min follow-up time and 500 lux brightness set value
- Including pre-assembled spring clamp with strain relief and contact protection cap for recessed ceiling mounting
- Accessory for surface mounting available

① Walking across
② Walking towards
③ Seated activity

IP	max. Ø 10 m across	230 V	approx. 2 W
IP20			

Description	Colour	Part number
PD2N-M-DACO DALI-2	white mat, similar to RAL9010	93452

LUXOMAT® PD4N-M-DACO DALI-2

- Occupancy detector with integrated DALI application controller for energy-efficient lighting control
- DALI-2 certified product
- Integrated DALI power supply
- DALI interface for controlling digital, dimmable ECGs in broadcast mode
- Manual switching or dimming via conventional pushbuttons
- Bidirectional IR communication enables fast integration into the project management function of the B.E.G. One app
- Complete range of functions can only be activated using the BLE-IR-Adapter and a compatible Smartphone or Tablet (Android, iOS).
- Semi-automatic, full automatic, presence-independent or light-independent mode adjustable
- Intelligent regulation algorithm with extensive setting options
- Software is backwards compatible with the first generation (except DSI, double lock and corridor function)
- Factory setting 10 min follow-up time and 500 lux brightness set value
- Including pre-assembled spring clamp with strain relief and contact protection cap for recessed ceiling mounting
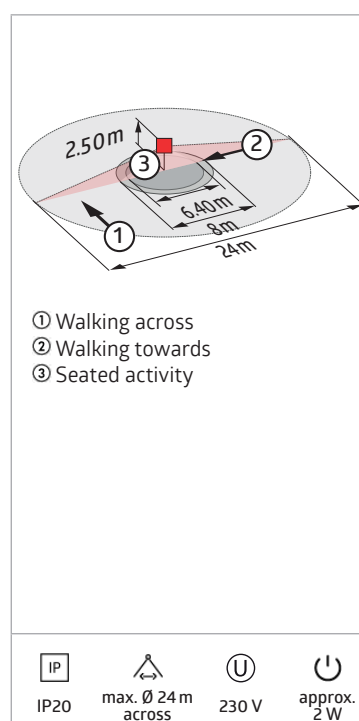- Accessory for surface mounting available
- Accessories for wall mounting optionally available
- Further accessories for colour matching optionally available

① Walking across
② Walking towards
③ Seated activity

IP	max. Ø 24 m across	230 V	approx. 2 W
IP20			

Description	Colour	Part number
PD4N-M-DACO DALI-2	white mat, similar to RAL9010	93460

You can find corresponding accessories on our homepage.

LUXOMAT®

Occupancy detectors DALI Compact

LUXOMAT® PD4-M-DACO-GH-SM DALI-2

- Occupancy detector for large heights with integrated DALI application controller for energy-efficient lighting control
- External telescopic light sensor for a mounting height between 5 and 16 m (mechanically adjustable) for measuring the light according to the application.
- DALI-2 certified product
- Integrated DALI power supply
- DALI interface for controlling digital, dimmable ECGs in broadcast mode
- Manual switching or dimming via conventional pushbuttons
- Bidirectional IR communication enables fast integration into the project management function of the B.E.G. One app
- Complete range of functions can only be activated using the BLE-IR-Adapter and a compatible Smartphone or Tablet (Android, iOS).
- Semi-automatic, full automatic, presence-independent or light-independent mode adjustable
- Intelligent regulation algorithm with extensive setting options
- Software is backwards compatible with the first generation (except DSI, double lock and corridor function)
- Factory setting 10 min follow-up time and 500 lux brightness set value
- There are markings to ensure correct alignment during installation
- **When used in high-bay warehouses, care should be taken that, in the cross-aisles of the warehouse, detectors are installed that can detect movement only in the desired aisle locations, by using blinds or other technical arrangements.**
- Surface-mount version

① Walking across
② Walking towards

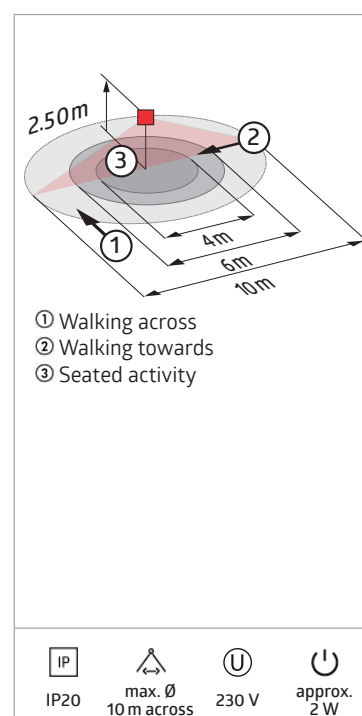| IP		U	
IP54	30 m x 19 m	230 V	approx. 2 W
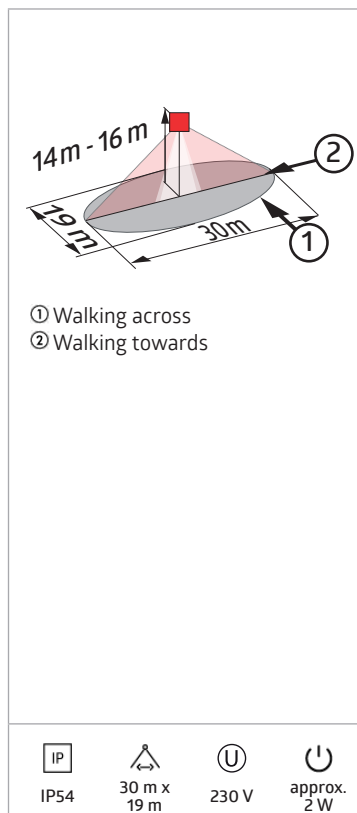
Description	Colour	Part number
PD4-M-DACO-GH-SM DALI-2	white mat, similar to RAL9010	93469

LUXOMAT® PD9N-M-DACO DALI-2

- Mini occupancy detector with integrated DALI application controller for energy-efficient lighting control
- DALI-2 certified product
- Integrated DALI power supply
- DALI interface for controlling digital, dimmable ECGs in broadcast mode
- Manual switching or dimming via conventional pushbuttons
- Bidirectional IR communication enables fast integration into the project management function of the B.E.G. One app
- Complete range of functions can only be activated using the BLE-IR-Adapter and a compatible Smartphone or Tablet (Android, iOS).
- Semi-automatic, full automatic, presence-independent or light-independent mode adjustable
- Intelligent regulation algorithm with extensive setting options
- Software is backwards compatible with the first generation (except DSI, double lock and corridor function)
- Factory setting 10 min follow-up time and 500 lux brightness set value
- Spring clips for quick and easy installation in suspended ceilings and light fittings
- Includes 45 mm cover ring and blinds
- Power supply passes through the hole in the ceiling for the detector (34 mm Ø)

① Walking across
② Walking towards
③ Seated activity

IP		U	
IP20	max. Ø 10 m across	230 V	approx. 2 W

Description	Colour	Part number
PD9N-M-DACO DALI-2	white mat, similar to RAL9010	93470

LUXOMAT®

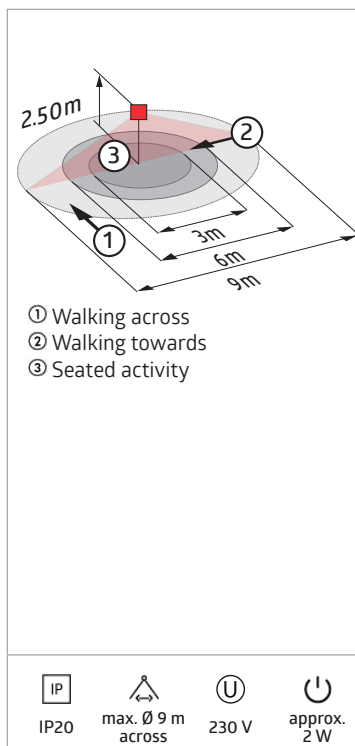You can find corresponding accessories on our homepage.

Occupancy detectors DALI Compact

LUXOMAT® PD11-M-DACO-FLAT DALI-2

- Occupancy detector with integrated DALI application controller for energy-efficient lighting control
- DALI-2 certified product
- Integrated DALI power supply
- DALI interface for controlling digital, dimmable ECGs in broadcast mode
- Manual switching or dimming via conventional pushbuttons
- Bidirectional IR communication enables fast integration into the project management function of the B.E.G. One app
- Complete range of functions can only be activated using the BLE-IR-Adapter and a compatible Smartphone or Tablet (Android, iOS).
- Semi-automatic, full automatic, presence-independent or light-independent mode adjustable
- Intelligent regulation algorithm with extensive setting options
- Software is backwards compatible with the first generation (except DSI, double lock and corridor function)
- Factory setting 10 min follow-up time and 500 lux brightness set value
- Spring clips for quick and easy installation in suspended ceilings and light fittings
- Includes blinds and clamp ring for installation into light fittings
- Accessory for surface mounting available

① Walking across
② Walking towards
③ Seated activity

IP	max. Ø 9 m across	U	approx. 2 W
IP20		230 V	

Description	Colour	Part number
PD11-M-DACO-FLAT DALI-2	white mat, similar to RAL9010	93459

LUXOMAT® PD4-M-DUO-DALI/DSI

- Occupancy detector for two separate lighting groups, for daylight-dependent lighting control
- One common detection area
- Two independent, movable light sensors
- 2 DALI/DSI interfaces for control of digital dimmable electronic ballasts as a group
- Switching between DALI and DSI programming possible with DIP switch and remote control
- Version as master device
- Detection area can be extended with slave devices
- Additional functions can be set up using the optional remote control.
- Manual switching and dimming via push button possible
- Orientation light function
- Semi-automatic, full-automatic or twilight switch mode

① Walking across
② Walking towards
③ Seated activity

IP	max. Ø 24 m across	U	approx. 1 W
IP20		110 – 240 V	
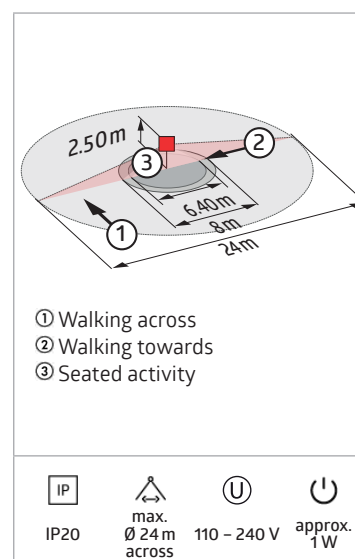
Description	Colour	Part number
PD4-M-DUO-DALI/DSI-FC	white mat, similar to RAL9010	92276

You can find corresponding accessories on our homepage.

LUXOMAT®

Occupancy detectors DALI Compact

LUXOMAT® PD2N-M-DACO-1C DALI-2

- Occupancy detector with integrated DALI application controller for energy-efficient lighting control
- DALI-2 certified product
- Integrated DALI power supply
- DALI interface for controlling digital, dimmable ECGs in broadcast mode
- Manual switching or dimming via conventional pushbuttons
- Bidirectional IR communication enables fast integration into the project management function of the B.E.G. One app
- Complete range of functions can only be activated using the BLE-IR-Adapter and a compatible Smartphone or Tablet (Android, iOS).
- Semi-automatic, full automatic, presence-independent or light-independent mode adjustable
- Powerful switching relay for different operating modes, e.g. Cut-off function for DALI ballasts, HVAC, blackboard illumination.
- Intelligent regulation algorithm with extensive setting options
- Software is backwards compatible with the first generation (except DSI, double lock and corridor function)
- Factory setting 10 min follow-up time and 500 lux brightness set value
- Including pre-assembled spring clamp with strain relief and contact protection cap for recessed ceiling mounting
- Accessory for surface mounting available

① Walking across
② Walking towards
③ Seated activity

2.50 m
4 m
6 m
10 m

IP	max. Ø 10 m across	230 V	approx. 2 W
IP20			

Description	Colour	Part number
PD2N-M-DACO-1C DALI-2	white mat, similar to RAL9010	93455

LUXOMAT® PD4N-M-DACO-1C DALI-2

- Occupancy detector with integrated DALI application controller for energy-efficient lighting control
- DALI-2 certified product
- Integrated DALI power supply
- DALI interface for controlling digital, dimmable ECGs in broadcast mode
- Manual switching or dimming via conventional pushbuttons
- Bidirectional IR communication enables fast integration into the project management function of the B.E.G. One app
- Complete range of functions can only be activated using the BLE-IR-Adapter and a compatible Smartphone or Tablet (Android, iOS).
- Semi-automatic, full automatic, presence-independent or light-independent mode adjustable
- Powerful switching relay for different operating modes, e.g. Cut-off function for DALI ballasts, HVAC, blackboard illumination.
- Intelligent regulation algorithm with extensive setting options
- Software is backwards compatible with the first generation (except DSI, double lock and corridor function)
- Factory setting 10 min follow-up time and 500 lux brightness set value
- Including pre-assembled spring clamp with strain relief and contact protection cap for recessed ceiling mounting
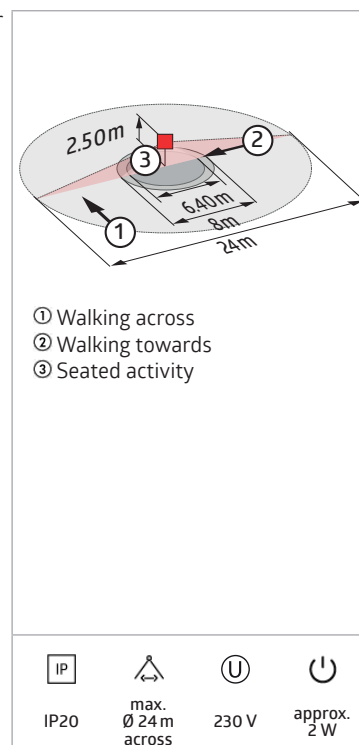- Accessory for surface mounting available
- Accessories for wall mounting optionally available
- Further accessories for colour matching optionally available

① Walking across
② Walking towards
③ Seated activity

2.50 m
6.40 m
8 m
24 m

IP	max. Ø 24 m across	230 V	approx. 2 W
IP20			

Description	Colour	Part number
PD4N-M-DACO-1C DALI-2	white mat, similar to RAL9010	93463

LUXOMAT®

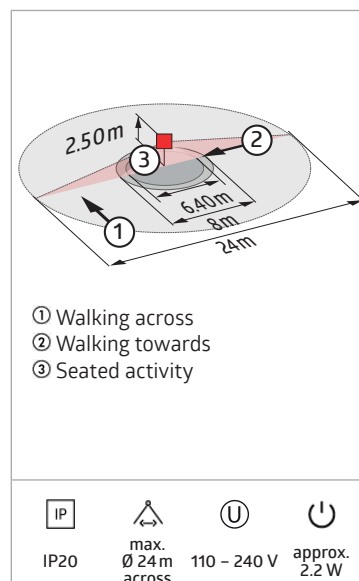You can find corresponding accessories on our homepage.

Occupancy detectors DALI Compact

LUXOMAT® PD4-M-TRIO-DALI/DSI

- Occupancy detector for two lighting groups for daylight-dependent lighting regulation and a third lighting group for light switching
- Control of up to 25 digital dimming electronic ballasts and control modules as a group per DALI output 1 and 2, and up to 10 for DALI output 3
- Two independent, movable light sensors
- One common detection area
- Switching between DALI and DSI possible with remote control
- Version as master device
- Detection area can be extended with slave devices
- Manual switching and dimming via push button possible
- Additional functions can be set up using the optional remote control.
- Orientation light function
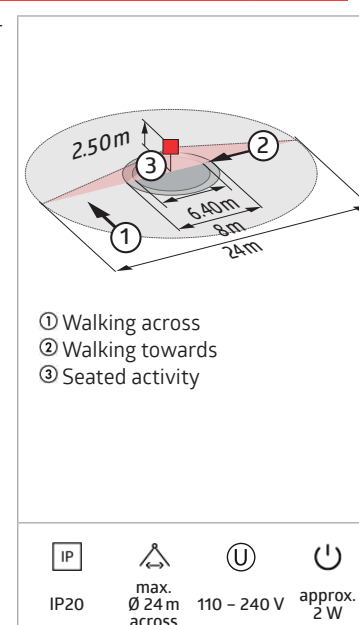- Semi-automatic, full-automatic or twilight switch mode

① Walking across
② Walking towards
③ Seated activity

IP	max. Ø 24 m across	110 – 240 V	approx. 2.2 W
IP20			

Description	Colour	Part number
PD4-M-TRIO-DALI/DSI-FC	white mat, similar to RAL9010	92755
PD4-M-TRIO-DALI/DSI-SM	white mat, similar to RAL9010	92750

LUXOMAT® PD4-M-TRIO-2DALI/DSI-1C

- Occupancy detector for two separate lighting groups, for daylight-dependent lighting control
- One potential-free switching channel for control of equipment (HVAC) or lighting
- Two independent, movable light sensors
- One common detection area
- 2 DALI/DSI interfaces for control of digital dimmable electronic ballasts as a group
- Switching between DALI and DSI possible with remote control
- Orientation light function
- Relay with tungsten pre-make contact, optimised for LED loads
- Version as master device
- Detection area can be extended with slave devices
- Manual switching and dimming via push button possible
- Semi-automatic, full-automatic or twilight switch mode
- Additional functions can be set up using the optional remote control.

① Walking across
② Walking towards
③ Seated activity

IP	max. Ø 24 m across	110 – 240 V	approx. 2 W
IP20			

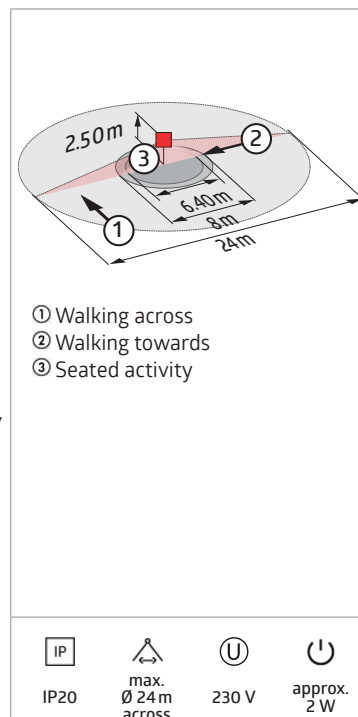| Description	Colour	Part number
PD4-M-TRIO-2DALI/DSI-1C-FC	white mat, similar to RAL9010	92756
PD4-M-TRIO-2DALI/DSI-1C-SM	white mat, similar to RAL9010	92751

You can find corresponding accessories on our homepage.

LUXOMAT®

Occupancy detectors DALI Compact

LUXOMAT® PD4-M-HCL2

- Bidirectional occupancy detector with integrated DALI application controller for an energy-efficient and biologically effective light control (Human Centric Lifghting)
- Integrated DALI power supply and 3 push-button inputs
- Preset and freely adjustable HCL curves (12 anchor points per 24h)
- Adjustable communication mode „Broadcast" (1 light zone, without addressing) or „Multicast" (several light zones, HVAC, with addressing)
- Dim-2-Warm: brightness and colour temperature can be infinitely adjusted simultaneously with a long keystroke
- Calling up lighting scenes using accessory
- Mixed light measurement with internal and external light sensor
- External light sensor can be swivelled by 45
- Powerful switching relay for different operating modes, e.g. Cut-off function for DALI ballasts, HVAC, blackboard illumination.
- Quick commissioning and maintenance processes via Smartphone/Tablet App (Android, iOS) - No PC-Tool required
- Detection range can be extended with up to 8 B.E.G. BMS multisensors
- Up to 64 DT8 driver luminaires (Colour Type Tc), doubling the DALI output current with accessory may be necessary
- Complete range of functions can only be activated using the BLE-IR-Adapter and a compatible Smartphone or Tablet (Android, iOS).
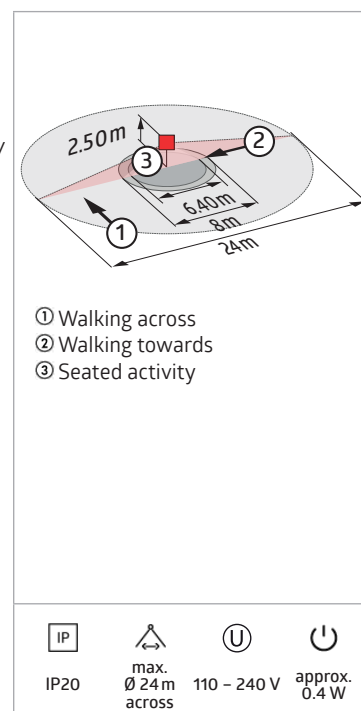
① Walking across
② Walking towards
③ Seated activity

IP	max. Ø 24 m across	230 V	approx. 2 W
IP20			

Description	Colour	Part number
PD4-M-HCL2-FC	white, similar to RAL9010	93484
PD4-M-HCL2-SM	white, similar to RAL9010	93485

LUXOMAT® PD4-M-DAA4G

- Flexible DALI Compact solution designed for conference rooms, training rooms and classrooms
- High-sensitivity occupancy detector with the capability to address up to 64 DALI electronic ballasts (EB) automatically, with segmented control via 4 groups
- Quick commissioning and maintenance processes via Smartphone/Tablet App (Android, iOS) - No PC-Tool required
- 3 lighting zones:
  A for main lighting with segmented constant light regulation via 3 DALI groups and offset control,
  B for lectern or blackboard lighting via separate DALI group,
  C for lectern or blackboard lighting by integrated relay
- Powerful switching relay for different operating modes, e.g. Cut-off function for DALI ballasts, HVAC, blackboard illumination.
- Manual switching or dimming via conventional pushbuttons
- Detection area can be extended with up to four Slave devices of type PD4-S-DAA4G
- Complete range of functions can only be activated using the B.E.G. IR Adapter or the BLE-IR-Adapter and a compatible Smartphone or Tablet (Android, iOS).
- External light sensor can be swivelled by 45
- Avoidance of standby losses of the lighting system in accordance with EnEV DIN V 18599-4

① Walking across
② Walking towards
③ Seated activity

IP	max. Ø 24 m across	110 – 240 V	approx. 0.4 W
IP20			

Description	Colour	Part number
PD4-M-DAA4G-FC	white mat, similar to RAL9010	92591
PD4-M-DAA4G-SM	white mat, similar to RAL9010	92743

You can find corresponding accessories on our homepage.

Occupancy detectors DALI Compact

LUXOMAT® PD4-S-DAA4G

- DALI bus operated slave device
- For extension of the detection area of a master device PD4-M-DAA4G / PD4-M-HCL
- Trigger pulse to master device upon detected movement independent of the ambient light level
- Automatic test mode via master device
- Plug & Play – no parameterisation required
- Easy to mount
- False ceilling or surface mount version available
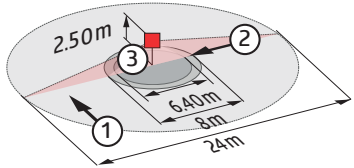
① Walking across
② Walking towards
③ Seated activity

IP	max. Ø 24 m across	U
IP20		22 V

Description	Colour	Part number
PD4-S-DAA4G-FC	white mat, similar to RAL9010	92721
PD4-S-DAA4G-SM	white mat, similar to RAL9010	92759

You can find corresponding accessories on our homepage.
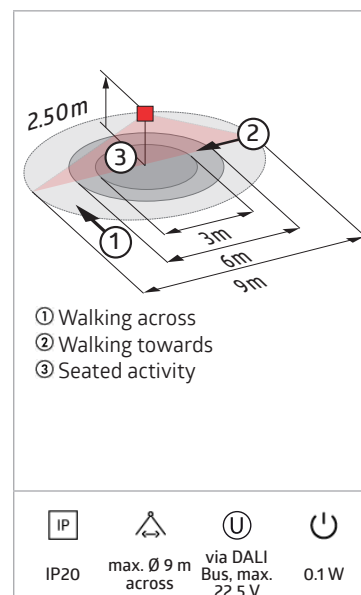
LUXOMAT®

DALI-LINK

LUXOMAT®net PD11-DALI-LINK-FLAT

- Low profile DALI multisensor (visible height: 0,85 mm)
- Powered via DALI bus
- Seemless integration in DALI lighting control system B.E.G. LUXOMAT®net DALI-LINK as modular multimaster option
- Detection area can be extended thanks to master-slave-mode
- Measuring of mixed light thanks to internal light sensor
- Semi-automatic, full-automatic or twilight switch mode
- Integrated daylight harvesting circuit (or switch output)
- Guided Light, Soft-Start PLUS, Orientation light PLUS
- Works out-of-the box for easy installation check
- Full range of functions can only be activated with other products of the product group B.E.G. LUXOMAT®net DALI-LINK
- Spring clips for quick and easy installation in suspended ceilings
- Includes blinds and clamp ring for installation into light fittings
- Flush mounting with accessory 92833, surface mounting with accessories 92833 and 92121
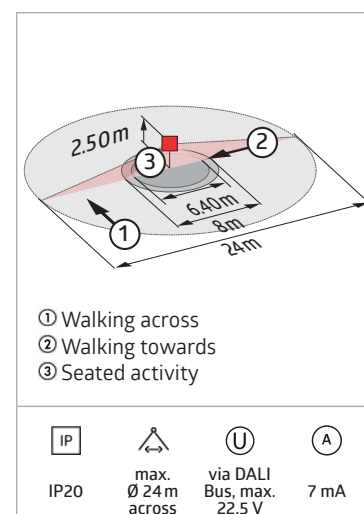
2.50 m

3m
6m
9m

① Walking across
② Walking towards
③ Seated activity

IP		U	
IP20	max. Ø 9 m across	via DALI Bus, max. 22.5 V	0.1 W

Description	Colour	Part number
PD11-DALI-LINK-FLAT-FC	white mat, similar to RAL9010	93068

LUXOMAT®net PD4N-DALI-LINK

- Wide motion detection range DALI multisensor
- Powered via DALI bus
- Seemless integration in DALI lighting control system B.E.G. LUXOMAT®net DALI-LINK as modular multimaster option
- Detection area can be extended thanks to master-slave-mode
- Mixed light measurement with internal and external light sensor
- Semi-automatic, full-automatic or twilight switch mode
- Integrated daylight harvesting circuit (or switch output)
- Guided Light, Soft-Start PLUS, Orientation light PLUS
- Works out-of-the box for easy installation check
- Full range of functions can only be activated with other products of the product group B.E.G. LUXOMAT®net DALI-LINK
- Detection area can be restricted with blinds

2.50 m

6.40 m
8m
24m

① Walking across
② Walking towards
③ Seated activity

IP		U	A
IP20	max. Ø 24 m across	via DALI Bus, max. 22.5 V	7 mA

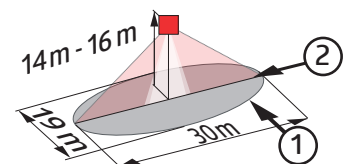| Description	Colour	Part number
PD4N-DALI-LINK	white mat, similar to RAL9010	93377

LUXOMAT®net PD4-DALI-LINK-GH

- DALI multisensor for surface mounting in large mounting heights
- Powered via DALI bus
- External telescopic light sensor for a mounting height between 5 and 16 m (mechanically adjustable) for measuring the light according to the application.
- Bright LED indication for commissioning
- Designed as multimaster device
- Logical switching or control output
- Guided Light, Soft-Start PLUS, Orientation light PLUS
- Works out-of-the box for easy installation check
- Seemless integration in DALI lighting control system B.E.G. LUXOMAT®net DALI-LINK as modular multimaster option
- Full range of functions can only be activated with other products of the product group B.E.G. LUXOMAT®net DALI-LINK
- **When used in high-bay warehouses, care should be taken that, in the cross-aisles of the warehouse, detectors are installed that can detect movement only in the desired aisle locations, by using blinds or other technical arrangements.**

14 m - 16 m
19 m
30 m

① Walking across
② Walking towards

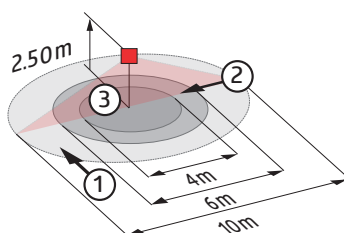| IP		U	A
IP54	30 m x 19 m	via DALI Bus, max. 22.5 V	7 mA

Description	Colour	Part number
PD4-DALI-LINK-GH-SM	white mat	93845

LUXOMAT®net PICO-DALI-LINK

- Mini DALI multisensor with only 11mm installation depth for installation in luminiares
- Powered via DALI bus
- Seemless integration in DALI lighting control system B.E.G. LUXOMAT®net DALI-LINK as modular multimaster option
- Detection area can be extended thanks to master-slave-mode
- Measuring of mixed light thanks to internal light sensor
- Semi-automatic, full-automatic or twilight switch mode
- Integrated daylight harvesting circuit (or switch output)
- Guided Light, Soft-Start PLUS, Orientation light PLUS
- Works out-of-the box for easy installation check
- Full range of functions can only be activated with other products of the product group B.E.G. LUXOMAT®net DALI-LINK
- Detection area can be restricted with blinds

2.50 m
4 m
6 m
10 m

① Walking across
② Walking towards
③ Seated activity

IP		U	A
IP20	max. Ø 10 m across	via DALI Bus, max. 22.5 V	2 mA

Description	Colour	Part number
PICO-DALI-LINK-FC	white, similar to RAL9010	93908

You can find corresponding accessories on our homepage.

LUXOMAT®net

DALI-LINK

LUXOMAT®net PS-DALI-LINK-FC

- DALI power supply for the B.E.G. DALI-LINK multi room solution for installation in suspended ceilings.
- Parameterisation of the DALI-LINK solution via Bluetooth with a smartphone and the B.E.G. DALI-LINK App.
- For example, 25 DALI luminaires and 6 DALI-LINK control devices (multi-sensors or push-button interfaces) can be connected to the power supply.
- It is possible to operate a maximum of one additional DALI-LINK power supply in parallel, doubling the number of DALI devices in the DALI-LINK system (50 DALI luminaires / 12 DALI-LINK control units).
- Integrated temperature monitoring and short-circuit detection
- Integrated LED for visualisation of operating information
- DALI-2 certified product

IP20   110 – 277 V   3.3 W

Description	Colour	Part number
PS-DALI-LINK-FC	white	92846

LUXOMAT®net PS-DALI-LINK-USB-REG

- DALI power supply with integrated USB interface for DIN-rail mounting
- For example, 45 DALI luminaires and 10 DALI-LINK control devices (multi-sensors or push-button interfaces) can be connected to the power supply.
- Integrated USB interface allows expansion to networkable B.E.G. LUXOMAT®net DALI-SYS lighting management solution
- Integrated LEDs for visualisation of operating information
- Commissioning of the B.E.G. LUXOMAT®net DALI-LINK solution takes place via a free app and the PBM-DALI-LINK-4W-BLE push-button module

IP20   230 V   6 W

Description	Colour	Part number
PS-DALI-LINK-USB-REG	white	93189

You can find corresponding accessories on our homepage.

DALI-LINK

LUXOMAT®net STARTERSET-DALI-LINK-SMALL-OFFICE

- DALI-LINK Multi Room Solution - Starter Set
- DALI pushbutton module with 4 binary inputs and integrated Bluetooth gateway for hidden mounting behind flush mount switches.
- Particularly flat, addressable DALI multi sensor with a visible height of only 0.85 mm and with integrated DALI application controller.
- DALI power supply for the B.E.G. DALI-LINK multi room solution for installation in suspended ceilings.

2.50m

3m
6m
9m

Ⓤ
110 – 277 V
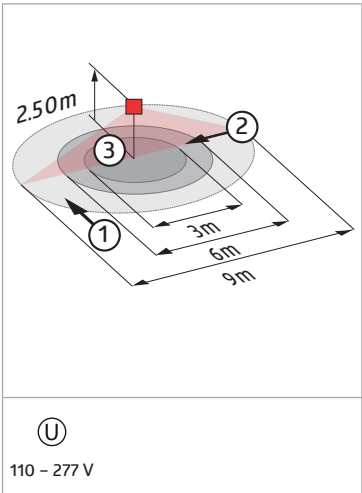
Description	Colour	Part number
STARTERSET-DALI-LINK-SMALL-OFFICE		93840

LUXOMAT®net RM-DALI-LINK-1C-REG

- DIN-rail DALI relay module with 1 switching channel
- High-output and potential-free contact for loads with high inrush current
- Integrated application controller with different operating modes
- Operating modes: Standard, Cut-off, HVAC, Impulse, Alarm
- DIP- and HEX-switch for quick commissioning with basic functionality
- Full range of functions can only be activated with other products of the product group B.E.G. LUXOMAT®net DALI-LINK

‖/1	IP	Ⓤ	Ⓐ
3000 W	IP20	via DALI Bus, max. 22.5 V	10 mA
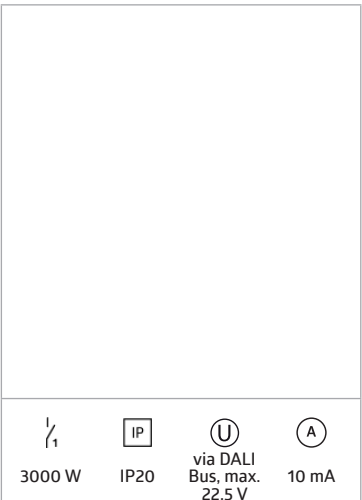
Description	Colour	Part number
RM-DALI-LINK-1C-REG	white	93807

You can find corresponding accessories on our homepage.

LUXOMAT®net

DALI-LINK

LUXOMAT®net RM-DALI-LINK-4C-REG

- Switching actuator for switching loads
- Integrated application controller with different operating modes
- Operating modes: Standard, Cut-off, HVAC, Impulse, Alarm
- Full range of functions can only be activated with other products of the product group B.E.G. LUXOMAT®net DALI-LINK

3000 W	IP20	230 V	10 mA

Description	Colour	Part number
RM-DALI-LINK-4C-REG	white	93854

LUXOMAT®net   You can find corresponding accessories on our homepage.

LUXOMAT®net PD4-CAS-GH

- Casambi occupancy detector for surface mounting in large mounting heights
- Bright LED indication for commissioning
- External telescopic light sensor for a mounting height between 5 and 16 m (mechanically adjustable) for measuring the light according to the application.
- Mixed light measurement with external light sensor
- Adjustment of the reflection factor and input of the luminosity for the display of the actual luminosity in the app
- Extension of the detection area with additional B.E.G. Casambi devices possible
- Individual adaption of detection sensitivity for each PIR sensor
- Detection area can be restricted with blinds
- There are markings to ensure correct alignment during installation
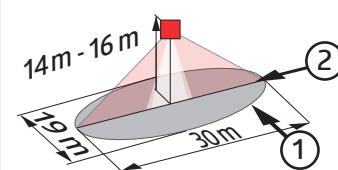- **When used in high-bay warehouses, care should be taken that, in the cross-aisles of the warehouse, detectors are installed that can detect movement only in the desired aisle locations, by using blinds or other technical arrangements.**
- Manual switching and dimming via push button possible
- Functions adjustable via Casambi app

14 m - 16 m
19 m
30 m
① ②

① Walking across
② Walking towards

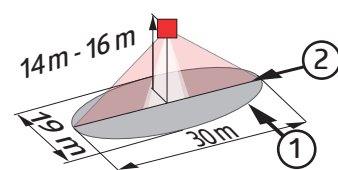| IP			
IP54	30 m x 19 m	230 V	0.4 W

Description	Colour	Part number
PD4-CAS-GH	white mat, similar to RAL9010	93472

LUXOMAT®net PD4-CAS-GH DALI-2

- Casambi occupancy detector for surface mounting in large mounting heights
- Integrated DALI power supply
- DALI-2 interface for controlling digital dimmable ECGs in broadcast mode
- DALI-2 certified product
- Integrated temperature monitoring and short-circuit detection
- Bright LED indication for commissioning
- External telescopic light sensor for a mounting height between 5 and 16 m (mechanically adjustable) for measuring the light according to the application.
- Mixed light measurement with external light sensor
- Adjustment of the reflection factor and input of the luminosity for the display of the actual luminosity in the app
- Extension of the detection area with additional B.E.G. Casambi devices possible
- Individual adaption of detection sensitivity for each PIR sensor
- Detection area can be restricted with blinds
- There are markings to ensure correct alignment during installation
- **When used in high-bay warehouses, care should be taken that, in the cross-aisles of the warehouse, detectors are installed that can detect movement only in the desired aisle locations, by using blinds or other technical arrangements.**
- Manual switching and dimming via push button possible
- Functions adjustable via Casambi app

14 m - 16 m
19 m
30 m
① ②

① Walking across
② Walking towards

IP			
IP54	30 m x 19 m	230 V	0.4 W

Description	Colour	Part number
PD4-CAS-GH DALI-2	white mat, similar to RAL9010	93471

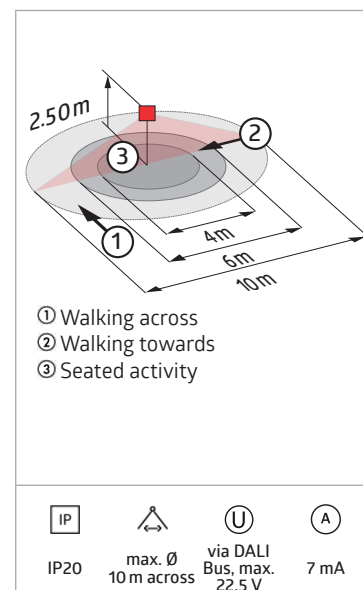You can find corresponding accessories on our homepage.

BMS DALI-2

LUXOMAT®net PD2N-BMS DALI-2

- DALI-2 multisensor (input device)
- DALI-2 certified product
- Powered via DALI bus
- Bright LED indication for commissioning
- DALI multimaster technology according to IEC 62386 part 103
- Instance 0 provides information regarding occupancy and movement for the DALI-Bus according to IEC 62386 part 303
- Instance 1 provides LUX values for the DALI-Bus according to IEC 62386 part 304
- Parameterisation is possible via mandatory Multimaster-Application-Controller of any manufacturer. This controller must support IEC 62386 parts 101/103/303/304.
- Mixed light measurement with internal and external light sensor
- Detection area can be restricted with blinds
- Individual adaption of the PIR sensor sensitivity
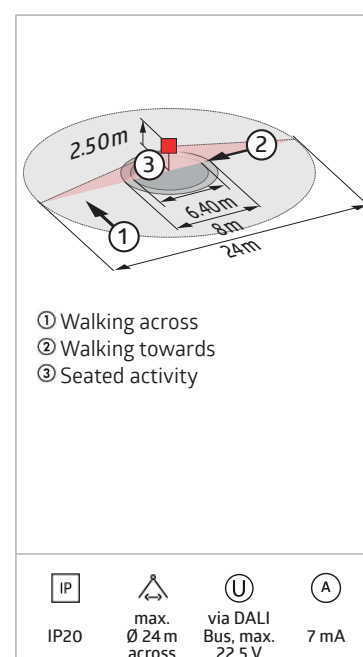- Status LEDs can be activated / deactivated

2.50m

4m
6m
10m

① Walking across
② Walking towards
③ Seated activity

IP		U	A
IP20	max. Ø 10 m across	via DALI Bus, max. 22.5 V	7 mA

Description	Colour	Part number
PD2N-BMS-FC DALI-2	white, similar to RAL9010	93543
PD2N-BMS-FM DALI-2	white, similar to RAL9010	93544

LUXOMAT®net PD4N-BMS DALI-2

- Long-range DALI-2 multisensor (input device)
- DALI-2 certified product
- Powered via DALI bus
- Bright LED indication for commissioning
- DALI multimaster technology according to IEC 62386 part 103
- Instance 0 provides information regarding occupancy and movement for the DALI-Bus according to IEC 62386 part 303
- Instance 1 provides LUX values for the DALI-Bus according to IEC 62386 part 304
- Parameterisation is possible via mandatory Multimaster-Application-Controller of any manufacturer. This controller must support IEC 62386 parts 101/103/303/304.
- Mixed light measurement with internal and external light sensor
- Suitable for mounting in false ceilings and flush-mounting
- Accessory for surface mounting available
- Detection area can be restricted with blinds
- Individual adaption of detection sensitivity for each PIR sensor
- Status LEDs can be activated / deactivated

2.50m

6.40m
8m
24m

① Walking across
② Walking towards
③ Seated activity

IP		U	A
IP20	max. Ø 24 m across	via DALI Bus, max. 22.5 V	7 mA

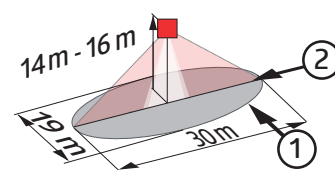| Description	Colour	Part number
PD4N-BMS DALI-2	white mat, similar to RAL9010	93546

You can find corresponding accessories on our homepage.

LUXOMAT®net PD4-BMS-GH-SM DALI-2

- DALI-2 multisensor (input device) for surface mounting in large mounting heights
- DALI-2 certified product
- Powered via DALI bus
- External telescopic light sensor for a mounting height between 5 and 16 m (mechanically adjustable) for measuring the light according to the application.
- Bright LED indication for commissioning
- DALI multimaster technology according to IEC 62386 part 103
- Instance 0 provides information regarding occupancy and movement for the DALI-Bus according to IEC 62386 part 303
- Instance 1 provides LUX values for the DALI-Bus according to IEC 62386 part 304
- Parameterisation is possible via mandatory Multimaster-Application-Controller of any manufacturer. This controller must support IEC 62386 parts 101/103/303/304.
- Mixed light measurement with external light sensor
- Detection area can be restricted with blinds
- There are markings to ensure correct alignment during installation
- **When used in high-bay warehouses, care should be taken that, in the cross-aisles of the warehouse, detectors are installed that can detect movement only in the desired aisle locations, by using blinds or other technical arrangements.**
- Individual adaption of detection sensitivity for each PIR sensor
- Status LEDs can be activated / deactivated

14 m - 16 m / 19 m / 30 m

① Walking across
② Walking towards

IP54 | 30 m x 19 m | via DALI Bus, max. 22.5 V | 7 mA

Description	Colour	Part number
PD4-BMS-GH-SM DALI-2	white mat, similar to RAL9010	93545

LUXOMAT®net PICO-BMS DALI-2

- Particularly small DALI-2 multisensor (input device) with only 11mm installation depth for installation in luminiares
- DALI-2 certified product
- Powered via DALI bus
- DALI multimaster technology according to IEC 62386 part 103
- Instance 0 provides information regarding occupancy and movement for the DALI-Bus according to IEC 62386 part 303
- Instance 1 provides LUX values for the DALI-Bus according to IEC 62386 part 304
- Parameterisation is possible via mandatory Multimaster-Application-Controller of any manufacturer. This controller must support IEC 62386 parts 101/103/303/304.
- Measuring of mixed light thanks to internal light sensor
- Detection area can be restricted with blinds
- Individual adaption of the PIR sensor sensitivity
- Status LEDs can be activated / deactivated

2.50 m / 4m / 6m / 10m

① Walking across
② Walking towards
③ Seated activity

IP20 | max. Ø 10 m across | via DALI Bus, max. 22.5 V | 7 mA

Description	Colour	Part number
PICO-BMS DALI-2	white, similar to RAL9010	93547

You can find corresponding accessories on our homepage.

LUXOMAT®net

BMS DALI-2

LUXOMAT®net PD11-BMS-FLAT DALI-2

- Low profile DALI-2 multisensor (input device) having a visible height of only 0.85 mm
- DALI-2 certified product
- Powered via DALI bus
- DALI multimaster technology according to IEC 62386 part 103
- Instance 0 provides information regarding occupancy and movement for the DALI-Bus according to IEC 62386 part 303
- Instance 1 provides LUX values for the DALI-Bus according to IEC 62386 part 304
- Parameterisation is possible via mandatory Multimaster-Application-Controller of any manufacturer. This controller must support IEC 62386 parts 101/103/303/304.
- Spring clips for quick and easy installation in suspended ceilings
- Includes blinds and clamp ring for installation into light fittings
- With accessories for flush-mounting in ceiling and exposed concrete
- Individual adaption of the PIR sensor sensitivity
- Status LEDs can be activated / deactivated

2.50 m

3 m
6 m
9 m

① Walking across
② Walking towards
③ Seated activity

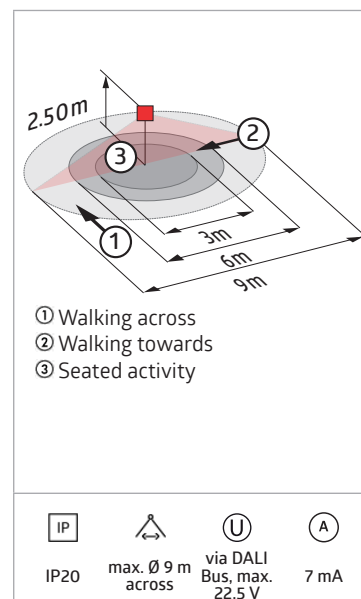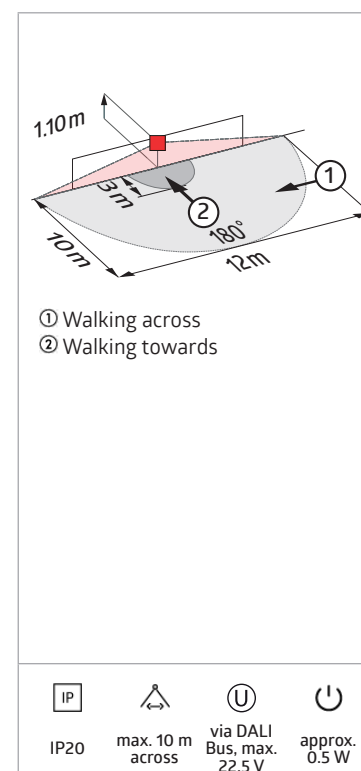| IP		U	A
IP20	max. Ø 9 m across	via DALI Bus, max. 22.5 V	7 mA

Description	Colour	Part number
PD11-BMS-FLAT-FC DALI-2	white mat, similar to RAL9010	93542

LUXOMAT®net Indoor 180-BMS DALI-2

- DALI-2 multisensor (input device), especially for installation in walls
- DALI-2 certified product
- Powered via DALI bus
- DALI multimaster technology according to IEC 62386 part 103
- Instance 0 provides information regarding occupancy and movement for the DALI-Bus according to IEC 62386 part 303
- Instance 1 provides LUX values for the DALI-Bus according to IEC 62386 part 304
- Parameterisation is possible via mandatory Multimaster-Application-Controller of any manufacturer. This controller must support IEC 62386 parts 101/103/303/304.
- Measuring of mixed light thanks to internal light sensor
- Detection area can be restricted with blinds
- For use with covering (interior cover dimensions 50 x 50 mm) in 5 different colours
- In combination with centre plates usable with current frame systems of various manufacturers
- B.E.G. frames and centre plates for combination with other frame systems available
- Please order cover frame separately, available in various colours
- Individual adaption of the PIR sensor sensitivity
- Status LEDs can be activated / deactivated

1.10 m

3 m
10 m
12 m
180°

① Walking across
② Walking towards

IP		U	
IP20	max. 10 m across	via DALI Bus, max. 22.5 V	approx. 0.5 W

Description	Colour	Part number
Indoor 180-BMS DALI-2 covering not included	white mat, similar to RAL9010	93540

LUXOMAT®net

You can find corresponding accessories on our homepage.

BMS DALI-2

LUXOMAT®net LC-Mini 120-BMS DALI-2

- DALI-2 multisensor (input device) with a detection area of 120°
- DALI-2 certified product
- Powered via DALI bus
- Adjustable ball head
- Detection area can be restricted with blinds
- DALI multimaster technology according to IEC 62386 part 103
- Instance 0 provides information regarding occupancy and movement for the DALI-Bus according to IEC 62386 part 303
- Instance 1 provides LUX values for the DALI-Bus according to IEC 62386 part 304
- Parameterisation is possible via mandatory Multimaster-Application-Controller of any manufacturer. This controller must support IEC 62386 parts 101/103/303/304.
- Individual adaption of the PIR sensor sensitivity
- Status LEDs can be activated / deactivated

① Walking across
② Walking towards

IP		U	
IP44	max. 10 m across	via DALI Bus, max. 22.5 V	approx. 0.5 W
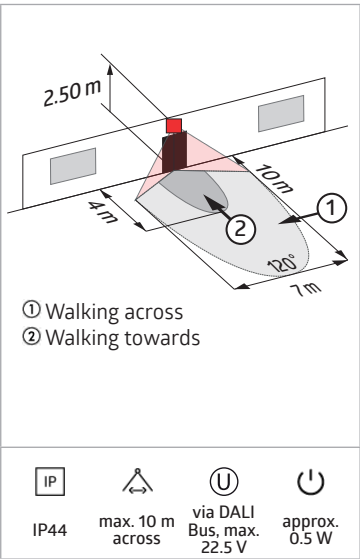
Description	Colour	Part number
LC-Mini 120-BMS DALI-2	white mat, similar to RAL9010	93541

You can find corresponding accessories on our homepage.

LUXOMAT®net

B.E.G. LUXOMAT® net

B.E.G. LUXOMAT® net

Status USB Power

ROUTER2-DALI-SYS-BACnet-REG 93355

IP20 CE

5 VDC
+ −   1 2   3 4

... up to
100 devices

Router

Router   Router

Router

ViSTATION

USB
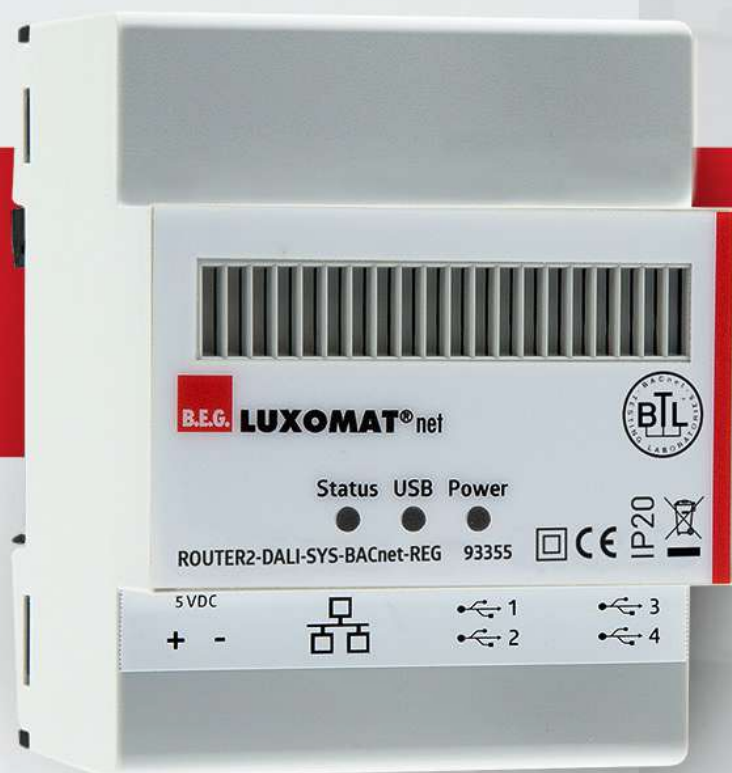
DALI

DALI-SYS –
The building solution

- **Networkable, modular multimaster concept**

- **Combines lighting management, emergency luminaire management, shutter/blind control and HVAC functions on one platform**

- **Decentralised control with distributed intelligence to provide high operational reliability**

- **B.E.G. multisensors have no power supply unit and are powered via the DALI bus**

- **Visualisation and central functions possible without higher-level BMS**

- **BMS connection via BACnet possible**

- **Planning, commissioning and maintenance by B.E.G.**

- **Cross-trade and cross-protocol logic links possible with NETx Automation**
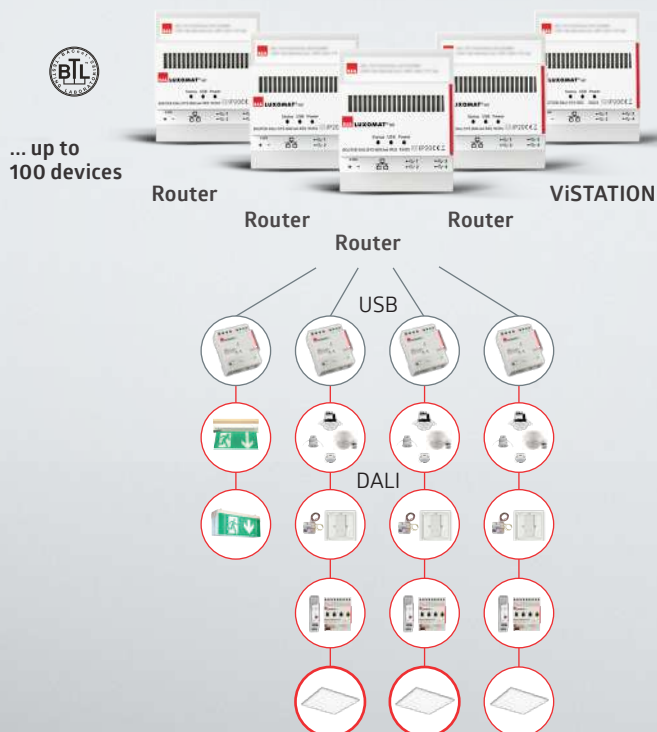
beg-luxomat.com

B.E.G. LUXOMAT® net

MAC: 50:72:4d:00:09:83 | S/N:220252179
ADDR: http://vistation.local | USER: admin | PW: beg

B.E.G. Brück Electronic GmbH | www.beg-luxomat.com

B.E.G. LUXOMAT® net

Status   Power   IP20

ViSTATION-KNX REG   93335

Energy efficiency and comfort in buildings - with KNX solutions from B.E.G.

The plus of well-being for every building user

Pleasant room climate, automated lighting - intelligent building control should aim to ensure that we can always move comfortably in buildings: Security and a feel-good atmosphere without the daily operation by humans. Buildings become intelligent and take on numerous tasks. The entire building system technology thus functions as a silent servant. This is the highest form of comfort.

Particularly in functional buildings, bus technology offers cost advantages over conventional electrical installations, even during the electrical installation phase. In continuous operation, high energy savings can be achieved.

With KNX, you are choosing a globally established bus system that was developed specifically for the requirements of building installation. The range of functions is already enormous today and is growing in a future-proof manner in line with customer requirements.

With the current KNX Generation 7, KNX-operated buildings become particularly secure against unauthorised access. „KNX IP Secure" ensures that all transmitted telegrams and data are fully encrypted. „KNX Data Secure" effectively protects user data from manipulation through encryption and authentication.

From now on, lighting can be provided with KNX-certified products within the RGB colour palette. This makes it possible to implement individual building lighting in terms of colour. In addition, natural lighting conditions can be realised with the help of the detectors.

Discover what B.E.G. has to offer.

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KNX

KNX

LUXOMAT®net Indoor 180-KNX-ST

- KNX occupancy detector with integrated KNX bus coupler, especially for installation in walls
- 1 x Light (for regulating or switching), 1 x slave output, 3 separate HVAC-blocs
- Intelligent semi-automatic mode, occupancy-independent regulating mode (photoelectric switch), full automatic mode
- Individual adaption of the PIR sensor sensitivity
- Measuring of mixed light thanks to internal light sensor
- Various locking functions
- Status LEDs can be activated / deactivated
- Programming button (phys. address) can be operated via remote control
- Regulation/switching of three light groups via offset (external influence possible)
- Short presence, self-adjusting follow-up time, corridor function
- Recall of light scenes
- For use with covering (interior cover dimensions 50 x 50 mm) in 5 different colours
- In combination with centre plates usable with current frame systems of various manufacturers
- B.E.G. frames and centre plates for combination with other frame systems available
- Please order cover frame separately, available in various colours

① Walking across
② Walking towards

IP	max. 10 m across	via KNX BUS	A
IP20			12 mA
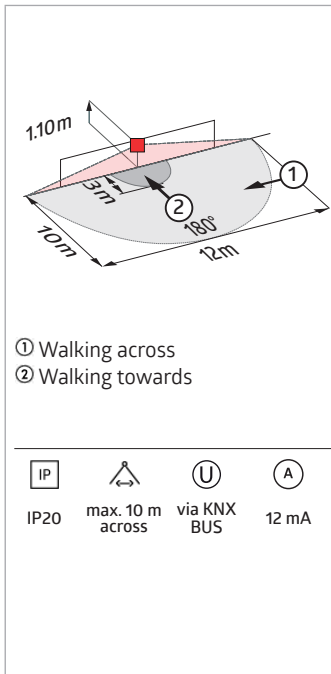
Description	Colour	Part number
Indoor 180-KNX-ST covering not included	–	93363

LUXOMAT®net RC-plus next N 230 KNX-DX

- KNX occupancy detector with integrated KNX bus connector
- 1 x Light (for regulating or switching), 1 x slave output, 3 separate HVAC-blocs
- Intelligent semi-automatic mode, occupancy-independent regulating mode (photoelectric switch), full automatic mode
- Two logic modules
- Individual adaption of detection sensitivity for each PIR sensor
- Direction of movement can be identified
- Anti-creep zone
- Measuring of mixed light thanks to internal light sensor
- Various locking functions
- Status LEDs can be activated / deactivated
- Programming button (phys. address) can be operated via remote control
- Regulation/switching of three light groups via offset (external influence possible)
- Short presence, self-adjusting follow-up time, corridor function
- Recall of light scenes
- Temperature sensor
- Integrated downlight with orientation or a night light (RGB) function
- Blinds
- Wall, ceiling and corner mounting

① Walking across
② Walking towards
③ Anti-creep zone

IP	max. 20 m across	via KNX BUS	A
IP54			12 mA
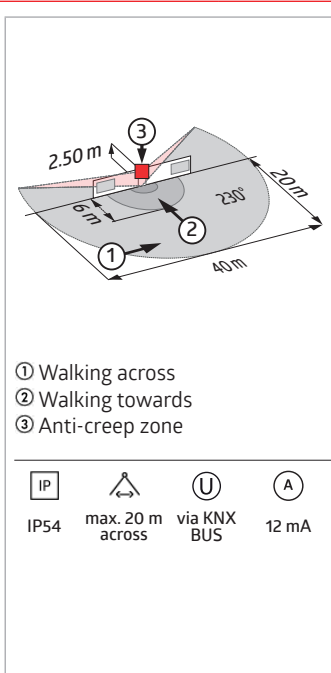
Description	Colour	Part number
RC-plus next N 230 KNX-DX	white, similar to RAL9010	93394
RC-plus next N 230 KNX-DX	black, similar to RAL9005	93395

You can find corresponding accessories on our homepage.

KNX

LUXOMAT®net PD4-KNX-GH-DX

- KNX occupancy detector designed for high-bay warehouses, with integrated KNX bus connector
- External telescopic light sensor for a mounting height between 5 and 16 m (mechanically adjustable) for measuring the light according to the application.
- Mixed light measurement with internal and external light sensor
- 1 x Light (for regulating or switching), 1 x slave output, 3 separate HVAC-blocs
- Intelligent semi-automatic mode, occupancy-independent regulating mode (photoelectric switch), full automatic mode
- Two logic modules
- Individual adaption of detection sensitivity for each PIR sensor
- Direction of movement can be identified
- Various locking functions
- Status LEDs can be activated / deactivated
- Programming button (phys. address) can be operated via remote control
- Regulation/switching of three light groups via offset (external influence possible)
- Short presence, self-adjusting follow-up time, corridor function
- Recall of light scenes
- Temperature sensor
- Blinds
- There are markings to ensure correct alignment during installation
- **When used in high-bay warehouses, care should be taken that, in the cross-aisles of the warehouse, detectors are installed that can detect movement only in the desired aisle locations, by using blinds or other technical arrangements.**
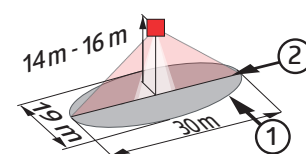
① Walking across
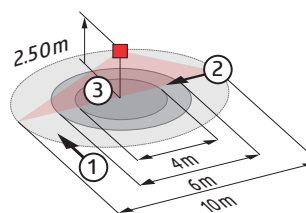② Walking towards

IP54 | 30 m x 19 m | via KNX BUS | 12 mA

Description	Colour	Part number
PD4-KNX-GH-DX-SM	white mat, similar to RAL9010	93399

LUXOMAT®net PD9-KNX-DX

- KNX mini occupancy detector with integrated bus connector
- 1 x Light (for regulating or switching), 1 x slave output, 3 separate HVAC-blocs
- Intelligent semi-automatic mode, occupancy-independent regulating mode (photoelectric switch), full automatic mode
- Two logic modules
- Individual adaption of the PIR sensor sensitivity
- Measuring of mixed light thanks to internal light sensor
- Various locking functions
- Status LEDs can be activated / deactivated
- Programming button (phys. address) can be operated via remote control
- Regulation/switching of three light groups via offset (external influence possible)
- Short presence, self-adjusting follow-up time, corridor function
- Recall of light scenes
- Temperature sensor
- Spring clips for quick and easy installation in suspended ceilings
- Includes blinds and clamp ring for installation into light fittings

① Walking across
② Walking towards
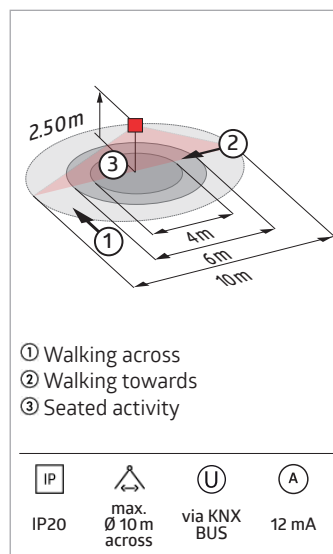③ Seated activity

IP20 | max. Ø 10 m across | via KNX BUS | 12 mA

Description	Colour	Part number
PD9-KNX-DX-FC	white mat, similar to RAL9010	93390

KNX

LUXOMAT®net PICO-KNX-DX

- KNX mini occupancy detector with integrated bus connector
- 1 x Light (for regulating or switching), 1 x slave output, 3 separate HVAC-blocs
- Intelligent semi-automatic mode, occupancy-independent regulating mode (photoelectric switch), full automatic mode
- Two logic modules
- Individual adaption of the PIR sensor sensitivity
- Measuring of mixed light thanks to internal light sensor
- Various locking functions
- Status LEDs can be activated / deactivated
- Programming button (phys. address) can be operated via remote control
- Regulation/switching of three light groups via offset (external influence possible)
- Short presence, self-adjusting follow-up time, corridor function
- Recall of light scenes
- Temperature sensor

2.50 m

① Walking across
② Walking towards
③ Seated activity

| IP20 | max. Ø 10 m across | via KNX BUS | 12 mA |

Description	Colour	Part number
PICO-KNX-DX-FC	white mat, similar to RAL9010	92719

LUXOMAT®net Indoor 140-L-KNX-DX

- KNX occupancy detector with integrated KNX bus coupler, especially for installation in walls
- 1 x Light (for regulating or switching), 1 x slave output, 3 separate HVAC-blocs
- Intelligent semi-automatic mode, occupancy-independent regulating mode (photoelectric switch), full automatic mode
- Two logic modules
- Individual adaption of the PIR sensor sensitivity
- Measuring of mixed light thanks to internal light sensor
- Temperature sensor
- Various locking functions
- Status LEDs can be activated / deactivated
- Programming button (phys. address) can be operated via remote control
- Regulation/switching of three light groups via offset (external influence possible)
- Short presence, self-adjusting follow-up time, corridor function
- Recall of light scenes
- Integrated downlight with the function of an orientation or a night light
- Integrated pushbutton (two functions programmable)
- In combination with centre plates usable with current frame systems of various manufacturers
- B.E.G. frames and centre plates for combination with other frame systems available
- Please order cover frame separately, available in various colours

120°

① Walking across
② Walking towards

| IP20 | max. 8 m across | via KNX BUS | 24 mA |
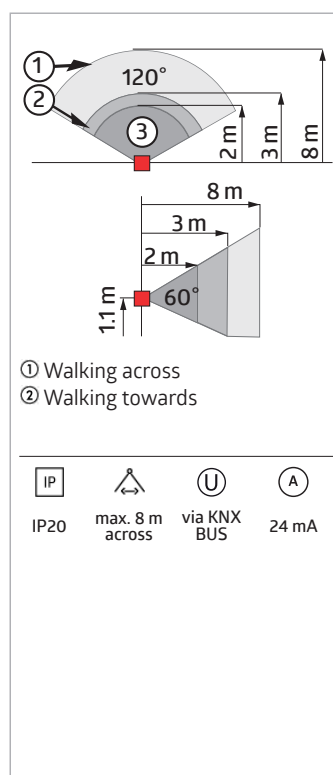
Description	Colour	Part number
Indoor 140-L-KNX-DX covering not included	–	93393

LUXOMAT®net

You can find corresponding accessories on our homepage.

KNX

LUXOMAT®net Indoor 180-KNX-DX

- KNX occupancy detector with integrated KNX bus coupler, especially for installation in walls
- 1 x Light (for regulating or switching), 1 x slave output, 3 separate HVAC-blocs
- Intelligent semi-automatic mode, occupancy-independent regulating mode (photoelectric switch), full automatic mode
- Two logic modules
- Individual adaption of the PIR sensor sensitivity
- Measuring of mixed light thanks to internal light sensor
- Various locking functions
- Status LEDs can be activated / deactivated
- Programming button (phys. address) can be operated via remote control
- Regulation/switching of three light groups via offset (external influence possible)
- Short presence, self-adjusting follow-up time, corridor function
- Recall of light scenes
- Temperature- and noise sensor
- Blinds
- For use with covering (interior cover dimensions 50 x 50 mm) in 5 different colours
- In combination with centre plates usable with current frame systems of various manufacturers
- B.E.G. frames and centre plates for combination with other frame systems available
- Please order cover frame separately, available in various colours
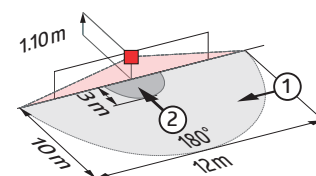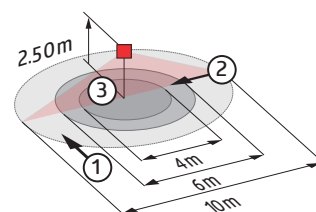
① Walking across
② Walking towards

IP		U	A
IP20	max. 10 m across	via KNX BUS	12 mA

Description	Colour	Part number
Indoor 180-KNX-DX covering not included	–	93364

LUXOMAT®net PD2N-KNXs-OCCULOG-DX

- KNX occupancy detector with integrated KNX bus connector
- Low installation depth
- 1 x Light (for regulating or switching), 1 x slave output, 3 separate HVAC-blocs
- Intelligent semi-automatic mode, occupancy-independent regulating mode (photoelectric switch), full automatic mode
- Two logic modules
- Individual adaption of the PIR sensor sensitivity
- Mixed light measurement with internal and external light sensor
- Various locking functions
- Status LEDs can be activated / deactivated
- Programming button (phys. address) can be operated via remote control
- Regulation of up to three lighting groups using offset (external influence possible)
- Short presence, self-adjusting follow-up time, corridor function
- Recall of light scenes
- Temperature- and noise sensor
- Measurement of air quality based on volatile organic compounds (VOC)
- Up to 4 limit values possible
- Measurement of relative air humidity
- Up to 4 limit values possible
- All values can be sent to the bus and used for HVAC applications
- Controller for temperature, air quality and humidity
- Spring-clamps

① Walking across
② Walking towards
③ Seated activity

IP		U	A
IP20	max. Ø 10 m across	via KNX BUS	12 mA

Description	Colour	Part number
PD2N-KNXs-OCCULOG-DX-FC	white mat, similar to RAL9010	93530
PD2N-KNXs-OCCULOG-DX-FM	white mat, similar to RAL9010	93531

You can find corresponding accessories on our homepage.

LUXOMAT®net

KNX

LUXOMAT®net PD2N-KNXs-DX

- KNX occupancy detector with integrated KNX bus connector
- KNX Secure ready
- HCL/RGB control
- Parameterisation from ETS 5 for integration into KNX systems
- Individual adaption of the PIR sensor sensitivity
- Mixed light measurement using internal, external and remote (optional) light sensors
- Intelligent semi-automatic mode, occupancy-independent regulating mode (photoelectric switch), full automatic mode
- 1 x Light (for regulating or switching), 1 x slave output, 3 separate HVAC-blocs
- Regulation of up to three lighting groups using offset (external influence possible)
- Short presence, self-adjusting follow-up time, corridor function
- Various locking functions
- Soft-start
- Two logic modules
- Recall of light scenes
- Deactivatable status indicators
- Temperature- and noise sensor

① Walking across
② Walking towards
③ Seated activity

IP	max. Ø 10m across	via KNX BUS	A
IP20			12 mA

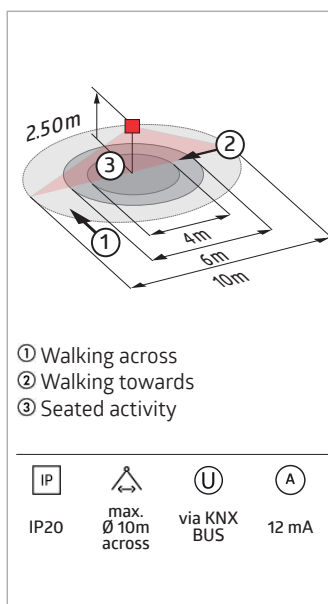| Description	Colour	Part number
PD2N-KNXs-DX-FC	white mat, similar to RAL9010	93512
PD2N-KNXs-DX-FM	white mat, similar to RAL9010	93513

LUXOMAT®net PD4N-KNXs-DX

- KNX occupancy detector with integrated KNX bus connector
- KNX Secure ready
- HCL/RGB control
- Parameterisation from ETS 5 for integration into KNX systems
- Individual adaption of detection sensitivity for each PIR sensor
- PIR sensors can be deactivated individually
- Direction of movement can be identified
- Mixed light measurement using internal, external and remote (optional) light sensors
- Intelligent semi-automatic mode, occupancy-independent regulating mode (photoelectric switch), full automatic mode
- 1 x Light (for regulating or switching), 1 x slave output, 3 separate HVAC-blocs
- Regulation of up to three lighting groups using offset (external influence possible)
- Short presence, self-adjusting follow-up time, corridor function
- Various locking functions
- Soft-start
- Two logic modules
- Recall of light scenes
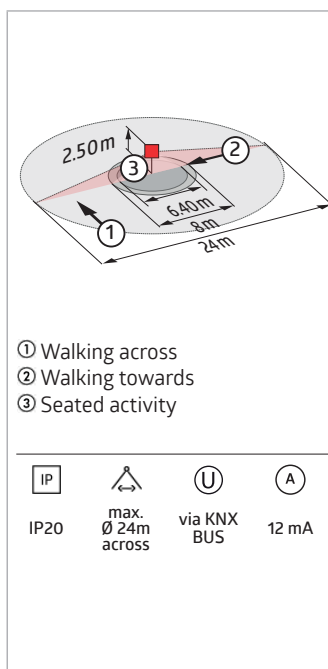- Deactivatable status indicators
- Temperature- and noise sensor

① Walking across
② Walking towards
③ Seated activity

IP	max. Ø 24m across	via KNX BUS	A
IP20			12 mA

Description	Colour	Part number
PD4N-KNXs-DX-FC	white mat, similar to RAL9010	93516
PD4N-KNXs-DX-FM	white mat, similar to RAL9010	93517

LUXOMAT®net

You can find corresponding accessories on our homepage.

LUXOMAT®net PD11-KNXs-FLAT-DX

- Low profile KNX occupancy detector with integrated KNX bus connector
- KNX Secure ready
- HCL/RGB control
- Parameterisation from ETS 5 for integration into KNX systems
- Individual adaption of the PIR sensor sensitivity
- Mixed light measurement using internal and remote (optional) light sensors
- Intelligent semi-automatic mode, occupancy-independent regulating mode (photoelectric switch), full automatic mode
- 1 x Light (for regulating or switching), 1 x slave output, 3 separate HVAC-blocs
- Regulation of up to three lighting groups using offset (external influence possible)
- Short presence, self-adjusting follow-up time, corridor function
- Various locking functions
- Soft-start
- Two logic modules
- Recall of light scenes
- Deactivatable status indicators
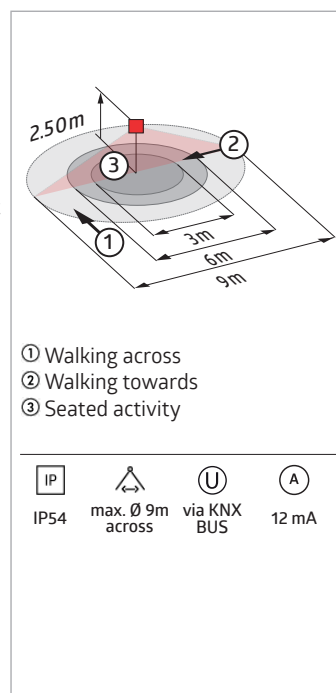- Temperature- and noise sensor
- Flush mounting with accessory 92833, surface mounting with accessories 92833 and 92121

① Walking across
② Walking towards
③ Seated activity

IP		U	A
IP54	max. Ø 9m across	via KNX BUS	12 mA

Description	Colour	Part number
PD11-KNXs-FLAT-DX-FC	white mat, similar to RAL9010	93523

LUXOMAT®net Indoor 180-KNXs-DX

- KNX occupancy detector with integrated KNX bus coupler, especially for installation in walls
- KNX Secure ready
- HCL/RGB control
- Parameterisation from ETS 5 for integration into KNX systems
- Individual adaption of the PIR sensor sensitivity
- Mixed light measurement using internal and remote (optional) light sensors
- Intelligent semi-automatic mode, occupancy-independent regulating mode (photoelectric switch), full automatic mode
- 1 x Light (for regulating or switching), 1 x slave output, 3 separate HVAC-blocs
- Regulation of up to three lighting groups using offset (external influence possible)
- Short presence, self-adjusting follow-up time, corridor function
- Various locking functions
- Soft-start
- Two logic modules
- Recall of light scenes
- Deactivatable status indicators
- Temperature- and noise sensor

① Walking across
② Walking towards

IP		U	A
IP20	max. 10 m across	via KNX BUS	12 mA

Description	Colour	Part number
Indoor 180-KNXs-DX covering not included	–	93525

You can find corresponding accessories on our homepage.

LUXOMAT®net

KNX

LUXOMAT®net PD9-KNXs-DX

- KNX mini occupancy detector with integrated bus connector
- KNX Secure ready
- HCL/RGB control
- Parameterisation from ETS 5 for integration into KNX systems
- Individual adaption of the PIR sensor sensitivity
- Mixed light measurement using internal and remote (optional) light sensors
- Intelligent semi-automatic mode, occupancy-independent regulating mode (photoelectric switch), full automatic mode
- 1 x Light (for regulating or switching), 1 x slave output, 3 separate HVAC-blocs
- Regulation of up to three lighting groups using offset (external influence possible)
- Short presence, self-adjusting follow-up time, corridor function
- Various locking functions
- Soft-start
- Two logic modules
- Recall of light scenes
- Deactivatable status indicators

① Walking across
② Walking towards
③ Seated activity

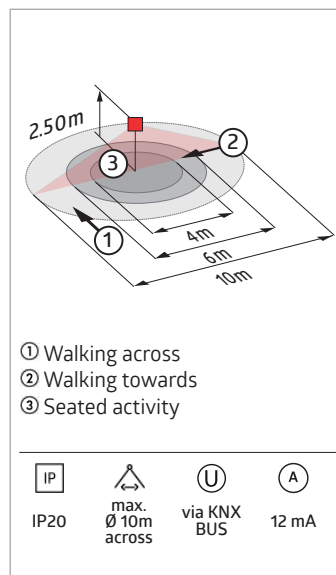| IP		U	A
IP20	max. Ø 10m across	via KNX BUS	12 mA

Description	Colour	Part number
PD9-KNXs-DX-FC	white mat, similar to RAL9010	93520

LUXOMAT®net PD9-KNXs-GH-DX

- KNX mini occupancy detector with integrated KNX bus connector, especially for large mounting heights
- KNX Secure ready
- HCL/RGB control
- Parameterisation from ETS 5 for integration into KNX systems
- Individual adaption of the PIR sensor sensitivity
- Mixed light measurement using internal and remote (optional) light sensors
- Intelligent semi-automatic mode, occupancy-independent regulating mode (photoelectric switch), full automatic mode
- 1 x Light (for regulating or switching), 1 x slave output, 3 separate HVAC-blocs
- Regulation of up to three lighting groups using offset (external influence possible)
- Short presence, self-adjusting follow-up time, corridor function
- Various locking functions
- Soft-start
- Two logic modules
- Recall of light scenes
- Deactivatable status indicators

① Walking across

IP		U	A
IP20	max. Ø 3.5m across	via KNX BUS	12 mA

Description	Colour	Part number
PD9-KNXs-GH-DX-FC	white mat, similar to RAL9010	93521

LUXOMAT®net

You can find corresponding accessories on our homepage.

KNX

LUXOMAT®net PD4N-KNXs-GH-DX

- KNX occupancy detector designed for high-bay warehouses, with integrated KNX bus connector
- KNX Secure ready
- HCL/RGB control
- Parameterisation from ETS 5 for integration into KNX systems
- Individual adaption of detection sensitivity for each PIR sensor
- PIR sensors can be deactivated individually
- Direction of movement can be identified
- External telescopic light sensor for a mounting height between 5 and 16 m (mechanically adjustable) for measuring the light according to the application.
- Mixed light measurement with internal and external light sensor
- Intelligent semi-automatic mode, occupancy-independent regulating mode (photoelectric switch), full automatic mode
- 1 x Light (for regulating or switching), 1 x slave output, 3 separate HVAC-blocs
- Regulation of up to three lighting groups using offset (external influence possible)
- Short presence, self-adjusting follow-up time, corridor function
- Various locking functions
- Soft-start
- Two logic modules
- Recall of light scenes
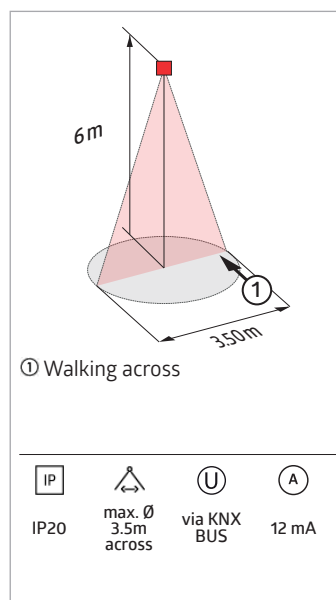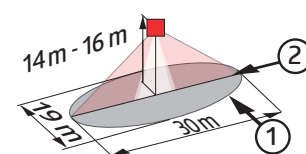- Deactivatable status indicators

① Walking across
② Walking towards

IP		U	A
IP54	30 m x 19 m	via KNX BUS	12 mA

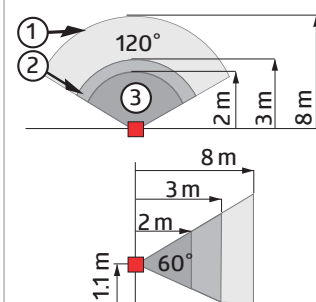| Description	Colour	Part number
PD4N-KNXs-GH-DX-SM	white mat, similar to RAL9010	93518

LUXOMAT®net Indoor 140-L-KNXs-DX

- KNX occupancy detector with integrated KNX bus coupler, especially for installation in walls
- KNX Secure ready
- Integrated downlight with the function of an orientation or a night light
- Integrated pushbutton (two functions programmable)
- HCL/RGB control
- Parameterisation from ETS 5 for integration into KNX systems
- Individual adaption of the PIR sensor sensitivity
- Mixed light measurement using internal and remote (optional) light sensors
- Intelligent semi-automatic mode, occupancy-independent regulating mode (photoelectric switch), full automatic mode
- 1 x Light (for regulating or switching), 1 x slave output, 3 separate HVAC-blocs
- Regulation of up to three lighting groups using offset (external influence possible)
- Short presence, self-adjusting follow-up time, corridor function
- Various locking functions
- Soft-start
- Two logic modules
- Recall of light scenes
- Deactivatable status indicators

① Walking across
② Walking towards

IP		U	A
IP20	max. 8 m across	via KNX BUS	24 mA

Description	Colour	Part number
Indoor 140-L-KNXs-DX covering not included	–	93526

You can find corresponding accessories on our homepage.

LUXOMAT®net

KNX

LUXOMAT®net PICO-KNXs-DX

- KNX mini occupancy detector with integrated bus connector
- KNX Secure ready
- HCL/RGB control
- Parameterisation from ETS 5 for integration into KNX systems
- Individual adaption of the PIR sensor sensitivity
- Mixed light measurement using internal and remote (optional) light sensors
- Intelligent semi-automatic mode, occupancy-independent regulating mode (photoelectric switch), full automatic mode
- 1 x Light (for regulating or switching), 1 x slave output, 3 separate HVAC-blocs
- Regulation of up to three lighting groups using offset (external influence possible)
- Short presence, self-adjusting follow-up time, corridor function
- Various locking functions
- Soft-start
- Two logic modules
- Recall of light scenes
- Deactivatable status indicators

① Walking across
② Walking towards
③ Seated activity

IP		U	A
IP20	max. Ø 10 m across	via KNX BUS	12 mA

Description	Colour	Part number
PICO-KNXs-DX-FC	white mat, similar to RAL9010	93529

LUXOMAT®net RC-plus next N 230 KNXs-DX 230

- KNX occupancy detector with integrated KNX bus connector
- KNX Secure ready
- Integrated downlight with orientation or a night light (RGB) function
- HCL/RGB control
- Parameterisation from ETS 5 for integration into KNX systems
- Individual adaption of detection sensitivity for each PIR sensor
- PIR sensors can be deactivated individually
- Direction of movement can be identified
- Mixed light measurement using internal and remote (optional) light sensors
- Intelligent semi-automatic mode, occupancy-independent regulating mode (photoelectric switch), full automatic mode
- 1 x Light (for regulating or switching), 1 x slave output, 3 separate HVAC-blocs
- Regulation of up to three lighting groups using offset (external influence possible)
- Short presence, self-adjusting follow-up time, corridor function
- Various locking functions
- Soft-start
- Two logic modules
- Recall of light scenes
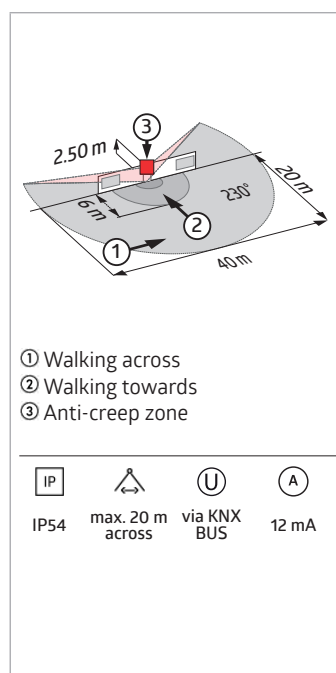- Deactivatable status indicators

① Walking across
② Walking towards
③ Anti-creep zone

IP		U	A
IP54	max. 20 m across	via KNX BUS	12 mA

Description	Colour	Part number
RC-plus next N 230 KNXs-DX 230	white, similar to RAL9010	93527
RC-plus next N 230 KNXs-DX 230	black, similar to RAL9005	93528

LUXOMAT®net

You can find corresponding accessories on our homepage.

KNX

LUXOMAT®net PD2N-KNXs-ST

- KNX occupancy detector with integrated KNX bus connector
- KNX Secure ready
- Parameterisation from ETS 5 for integration into KNX systems
- Individual adaption of the PIR sensor sensitivity
- Mixed light measurement using internal, external and remote (optional) light sensors
- Intelligent semi-automatic mode, occupancy-independent regulating mode (photoelectric switch), full automatic mode
- 1 x Light (for regulating or switching), 1 x slave output, 3 separate HVAC-blocs
- Regulation of up to three lighting groups using offset (external influence possible)
- Short presence, self-adjusting follow-up time, corridor function
- Various locking functions
- Soft-start
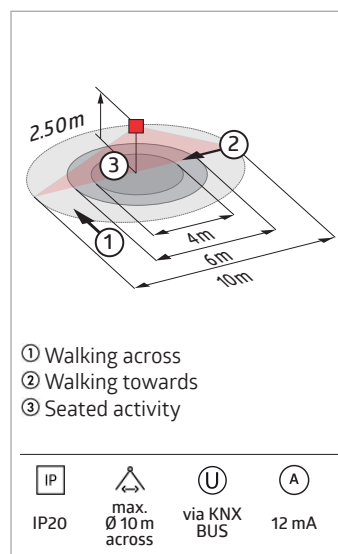- Recall of light scenes
- Deactivatable status indicators

2.50m · 4m · 6m · 10m

① Walking across
② Walking towards
③ Seated activity

IP	max. Ø 10 m across	via KNX BUS	A
IP20			12 mA

Description	Colour	Part number
PD2N-KNXs-ST-FC	white mat, similar to RAL9010	93510
PD2N-KNXs-ST-FM	white mat, similar to RAL9010	93511

LUXOMAT®net PD4N-KNXs-ST

- KNX occupancy detector with integrated KNX bus connector
- KNX Secure ready
- Parameterisation from ETS 5 for integration into KNX systems
- Individual adaption of detection sensitivity for each PIR sensor
- PIR sensors can be deactivated individually
- Direction of movement can be identified
- Mixed light measurement using internal, external and remote (optional) light sensors
- Intelligent semi-automatic mode, occupancy-independent regulating mode (photoelectric switch), full automatic mode
- 1 x Light (for regulating or switching), 1 x slave output, 3 separate HVAC-blocs
- Regulation of up to three lighting groups using offset (external influence possible)
- Short presence, self-adjusting follow-up time, corridor function
- Various locking functions
- Soft-start
- Recall of light scenes
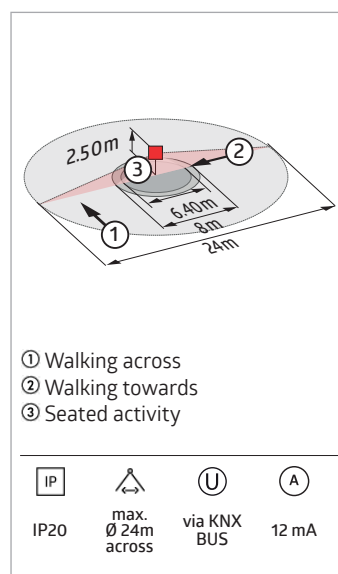- Deactivatable status indicators

2.50m · 6.40m · 8m · 24m

① Walking across
② Walking towards
③ Seated activity

IP	max. Ø 24 m across	via KNX BUS	A
IP20			12 mA

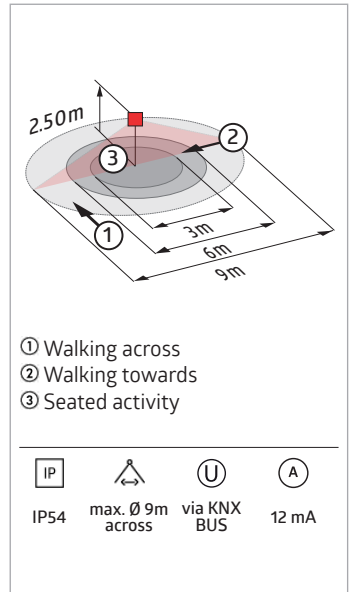| Description	Colour	Part number
PD4N-KNXs-ST-FC	white mat, similar to RAL9010	93514
PD4N-KNXs-ST-FM	white mat, similar to RAL9010	93515

KNX

LUXOMAT®net PD11-KNXs-FLAT-ST

- Low profile KNX occupancy detector with integrated KNX bus connector
- KNX Secure ready
- Parameterisation from ETS 5 for integration into KNX systems
- Individual adaption of the PIR sensor sensitivity
- Mixed light measurement using internal and remote (optional) light sensors
- Intelligent semi-automatic mode, occupancy-independent regulating mode (photoelectric switch), full automatic mode
- 1 x Light (for regulating or switching), 1 x slave output, 3 separate HVAC-blocs
- Regulation of up to three lighting groups using offset (external influence possible)
- Short presence, self-adjusting follow-up time, corridor function
- Various locking functions
- Soft-start
- Recall of light scenes
- Deactivatable status indicators
- Flush mounting with accessory 92833, surface mounting with accessories 92833 and 92121
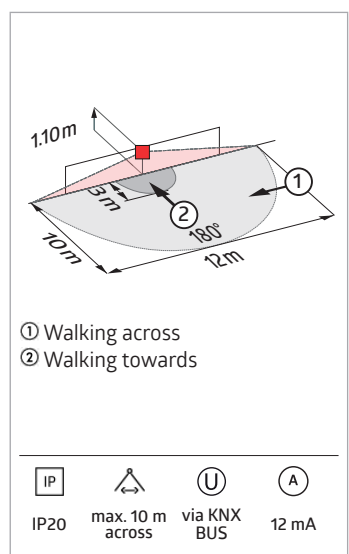
① Walking across
② Walking towards
③ Seated activity

IP	max. Ø 9m across	via KNX BUS	A
IP54	max. Ø 9m across	via KNX BUS	12 mA

Description	Colour	Part number
PD11-KNXs-FLAT-ST-FC	white mat, similar to RAL9010	93522

LUXOMAT®net Indoor 180-KNXs-ST

- KNX occupancy detector with integrated KNX bus coupler, especially for installation in walls
- KNX Secure ready
- Parameterisation from ETS 5 for integration into KNX systems
- Individual adaption of the PIR sensor sensitivity
- Mixed light measurement using internal and remote (optional) light sensors
- Intelligent semi-automatic mode, occupancy-independent regulating mode (photoelectric switch), full automatic mode
- 1 x Light (for regulating or switching), 1 x slave output, 3 separate HVAC-blocs
- Regulation of up to three lighting groups using offset (external influence possible)
- Short presence, self-adjusting follow-up time, corridor function
- Various locking functions
- Soft-start
- Recall of light scenes
- Deactivatable status indicators

① Walking across
② Walking towards

IP	max. 10 m across	via KNX BUS	A
IP20	max. 10 m across	via KNX BUS	12 mA

Description	Colour	Part number
Indoor 180-KNXs-ST covering not included	–	93524

LUXOMAT®net   You can find corresponding accessories on our homepage.

KNX

LUXOMAT®net PICO-KNXs-ST

- KNX mini occupancy detector with integrated bus connector
- KNX Secure ready
- Parameterisation from ETS 5 for integration into KNX systems
- Individual adaption of the PIR sensor sensitivity
- Mixed light measurement using internal and remote (optional) light sensors
- Intelligent semi-automatic mode, occupancy-independent regulating mode (photoelectric switch), full automatic mode
- 1 x Light (for regulating or switching), 1 x slave output, 3 separate HVAC-blocs
- Regulation of up to three lighting groups using offset (external influence possible)
- Short presence, self-adjusting follow-up time, corridor function
- Various locking functions
- Soft-start
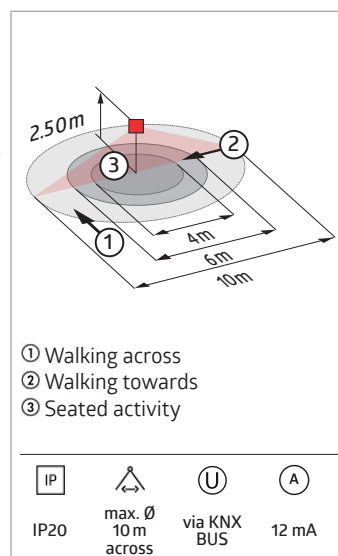- Recall of light scenes
- Deactivatable status indicators

① Walking across
② Walking towards
③ Seated activity

IP	max. Ø 10 m across	via KNX BUS	A
IP20			12 mA

Description	Colour	Part number
PICO-KNXs-ST-FC	white mat, similar to RAL9010	93539

LUXOMAT®net BIA-4-KNX REG

- Compact binary input with 4 channels for controlling luminaires, blinds, etc
- The inputs can be controlled via conventional switches with an external voltage of 12 to 230 V
- Use as a pulse counter is possible
- Two push-buttons and three LEDs enable local operation and visualisation of the unit's status
- In addition to the input channels, the unit contains 16 independent logic or time functions

IP	via KNX BUS	A
IP20		5 mA
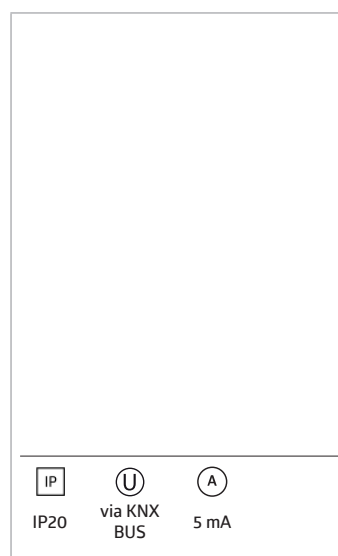
Description	Colour	Part number
BIA-4-KNX REG	white	90405
LK-TP/KNX REG	white	90401

KNX

LUXOMAT®net LAN-IF/KNXs REG

- The LAN-IF/KNXs REG serves as a secure interface between a LAN (IP, Ethernet) and KNX
- Can be used as programming interface for the ETS
- As KNX Secure Interface (tunneling) the device prevents unauthorized access to the system
- Up to 8 connections simultaneously
- The security option can be activated or deactivated in the ETS.
- The LEDs indicate operating conditions as well as communication errors on the KNX bus

| IP | U | A |
| IP20 | via KNX BUS | 20 mA |

Description	Colour	Part number
LAN-IF/KNXs REG	white	90404

LUXOMAT®net BIP-4-KNX REG

- Compact binary input with 4 channels for controlling luminaires, blinds, etc
- Inputs are designed for dry contacts
- Use as a pulse counter is possible
- Two push-buttons and three LEDs enable local operation and visualisation of the unit's status
- In addition to the input channels, the unit contains 16 independent logic or time functions

| IP | U | A |
| IP20 | via KNX BUS | 5 mA |

Description	Colour	Part number
BIP-4-KNX REG	white	90406
LK-IP/KNXs REG	white	90403

You can find corresponding accessories on our homepage.

LUXOMAT®net DA64-230/KNX REG

- The gateway connects the KNX BUS with the DALI BUS (DALI BUS for controlling the illumination)
- Each gateway is for controlling and dimming up to 64 electronic ballasts in 16 groups
- Scenes module for controlling individual electronic ballasts
- RGB and TW (DT8) support
- Support of B.E.G. DALI-LINK multisensors, push-button modules, push-buttons and DALI relay modules
- Commissioning via DCA
- Broadcast command via integrated operating buttons
- Support for DALI emergency luminaires

IP	U		A
IP20	230 V	0.9 – 6 W	5.5 mA (KNX, typical)

Description	Colour	Part number
DA64-230/KNX REG	white	93302

LUXOMAT®net PB-KNX-ST

- Binary input device (multi-point pushbutton) for use in 60 mm flush-mounted boxes
- User-friendly ETS interface
- The following functions are possible:
  · Switching
  · Forced operation
  · Percentage
  · Temperature
  · HVAC mode
  · Dimming
  · Blinds control
  · Scene
  · Edge function
  · Counter
- Settings ex ETS 4 for integration in KNX systems
- The product database for import into the ETS database can be downloaded from the B.E.G. homepage.

IP	U	A
IP20	via KNX BUS	9.5 mA (typ.)

Description	Colour	Part number
PB2-KNX-ST	white	93172
PB4-KNX-ST	white	93174
PB6-KNX-ST	white	93176
PB8-KNX-ST	white	93178

KNX

LUXOMAT®net WS-VOC-HVAC-KNX

- Temperature controller and VOC (volatile organic compounds) sensor for KNX bus
- Temperature control: PI controller (continuous), 2-step controller % , 2-step switching, PWM
- Preset temperature curves for different heating/cooling systems
- Various prioritised operating modes (Comfort, Standby, Eco, frost/ heat protection)
- Dew point determination
- Indicator heating /cooling (red/blue)
- Air quality control: PI controller (continuous), 2-step controller % , 2-step switching
- Air quality Measuring method VOC, output VOC or CO2
- Air humidity control: PI controller (continuous), 2-step controller % , 2-step switching
- Adjustment of control values via rotary knob or object
- Indicator (traffic light) for air quality and humidity (green, yellow, red)
- Suitable for switch ranges 55x55
- Adapter for switch ranges 63x63 included

IP	U	A
IP20	via KNX BUS	12 mA

Description	Colour	Part number
WS-VOC-HVAC-KNX	white	93806

LUXOMAT®net ViSTATION-KNX REG

- Virtual Interface Station - The visualisation and remote server for KNX systems
- Plastic housing, 4 widths units (DIN-rail, top hat)
- 1 Ethernet/LAN connection
- 2D floor plan and/or tile view with customer-specific data
- Central visualisation of light, occupancy and error data
- Manual override of individual lighting zones possible
- Manual override via scene function possible
- User and rights management for individual control of specific rooms
- Can be operated via compatible web browser on any user device (smartphone, tablet, PC)
- Including separately enclosed 5VDC/2A power supply for DIN rail mounting (~18mm)
- Administration access preconfigured for user administration
- Weekly timer
- Astro program, e.g. for sunrise or sunset events

IP	U	power
IP20	5 V	max. 5 W

Description	Colour	Part number
ViSTATION-KNX REG	grey	93335

LUXOMAT®net

You can find corresponding accessories on our homepage.

Intelligent building automation with KNX actuators from B.E.G.
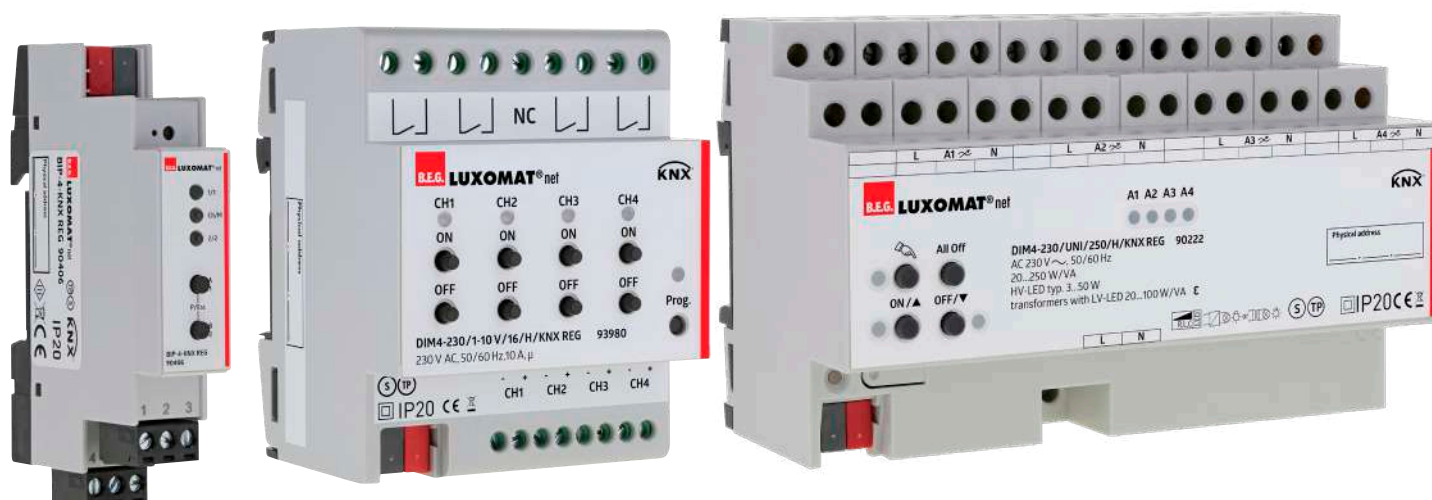
Articel number	Description	Function
90404	LAN-IF/KNXsREG	Programming interface as LAN data interface
93335	ViSTATION-KNX REG	The visualisation and remote server for KNX systems
93182	SA8-230 / 10 / H / KNXs-K REG	8-way switching actuator with a width of 72 mm
90136	SA4-230 / 16 / H / -(EM) KNX REG	
90139	SA4-230 / 16 / H / -(EM) KNX REG	4-way and 8-way switching actuators with and without current measurement
93336	SA8-230 / 16 / H / -(EM) KNX REG	
93339	SA8-230 / 16 / H / -(EM) KNX REG	
93980	DIM4-230/1-10V/16/H/KNX REG	Used for switching and dimming fluorescent lamps with 1-10V ECG. The voltage is applied to the ECG via the relays of the device. The luminaires are controlled via the 1-10V voltage. The 1-10V voltage is supplied by the ECGs.
90222	DIM4-230/UNI/250/H/KNX REG	Switching and dimming of incandescent lamps, HV halogen lamps, Tronic transformers with halogen lamps, dimmable inductive transformers with halogen or LED lamps, HV LED and compact fluorescent lamps
90223	LZ-230/UNI/420 REG	
93930	SBA4-230/10/H/KNX REG	4-way shutter/blind actuator for roller shutters and blinds
90401	LK-TP/KNX REG (Twisted-Pair)	Line coupler for connecting two KNX segments
90403	LK-IP/KNXsREG (IP Verbindung)	
90214	PSN-230/640/30/KNX REG	640 mA power supply for 64 KNX devices
90224	USB-IF/KNX REG	Programming interface as USB data interface
93302	DALI-KNX-Gateway	Interface for KNX and DALI lighting control
90406	BIP-4-KNX REG (passiv)	KNX binary inputs for controlling luminaires, blinds, etc.
90405	BIA-4-KNX REG (aktiv)	

B.E.G. LUXOMATIC®

Interior luminaires

Modern lighting with low power consumption

With the right technology, LEDs offer the possibility of achieving a high luminous efficacy with low consumption. The engineers at B.E.G. have developed luminaires that make full use of precisely this possibility. In addition to energy savings, the focus is on high functionality, easy installation and contemporary design.

We offer luminaires with motion detectors based on microwave technology. By using this technology with a frequency of 5.8 GHz, movements are detected regardless of temperature and in an extremely short time. As detection is also possible through walls, such automatic luminaires are particularly suitable for applications without direct visual contact.

The B.E.G. LED luminaires with microwave technology retain their original design due to the invisibly integrated motion detector. The installation of the circular luminaires is conventionally quick and easy.

LED

Indoor lights

LUXOMATIC® L8-LED

- Round LED light for wall or ceiling mounting with integrated micro-wave detector
- Energy efficient light with long service life > 50,000 hours
- Broad light distribution using diffused light covers
- Extremely short response time
- HF technology: 5.8 GHz - reacts to the smallest motion, independently of temperature
- Microwave detector not visible externally
- Possibility to connect other lights which are also controlled by the one microwave detector

h (m)	Ø (m)	E (lx)
1.0	3.4	312
2.0	6.9	78
3.0	10.3	35
4.0	13.7	20
5.0	17.1	12

119.5°

IP	U	
IP40	230 V	12 W	83 lm/ W
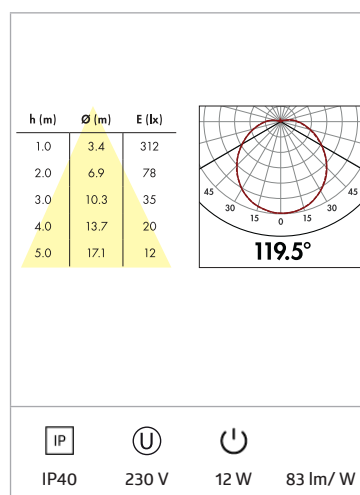
Description	Colour	Part number
L8-LEDN-HF	white	94455

LUXOMATIC® L9-LEDN-HF

- Round LED light for wall or ceiling mounting with integrated micro-wave detector
- Microwave detector not visible externally
- HF technology: 5.8 GHz - reacts to the smallest motion, independently of temperature
- Extremely short response time
- Energy efficient light with long service life > 50,000 hours
- Broad light distribution using diffused light covers
- Possibility to connect other lights which are also controlled by the one microwave detector
- Range, switch-on threshold and follow-up time set via potentiometers

h (m)	Ø (m)	E (lx)
1.0	3.7	559
2.0	7.5	140
3.0	11.2	62
4.0	15.0	35
5.0	18.7	22

123.7°

IP	U	
IP40	230 V	24 W	92 lm/ W
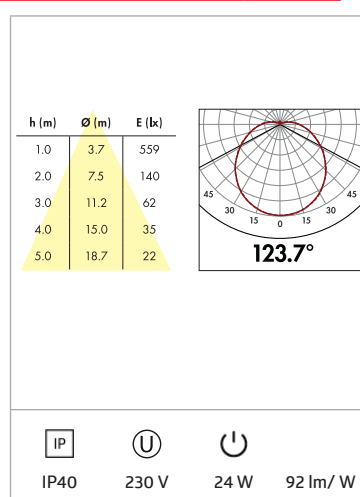
Description	Colour	Part number
L9-LEDN-HF	white	94457

You can find corresponding accessories on our homepage.

LUXOMATIC®

Indoor lights

LUXOMATIC® AL8-25-300-LEDN-HF

- Flat round LED luminaires for wall or ceiling mounting
- Energy efficient light with long service life > 50,000 hours
- Broad light distribution using diffused light covers
- Integrated microwave sensor, not externally visible, wide detection range
- HF technology: 5.8 GHz - reacts to the smallest motion, independently of temperature
- DIP switches to set follow-up time, switch-on threshold and sensor sensitivity
- Sturdy plastic case made of polycarbonate
- high fire protection rating
- Simple mounting with separate mounting bracket

h (m)	Ø (m)	E (lx)
1.0	3	874
2.0	6.1	219
3.0	9.1	97
4.0	12.2	55
5.0	15.2	35

113.4°

IP	U		
IP20	200 – 240 V	25 W	100 lm/ W
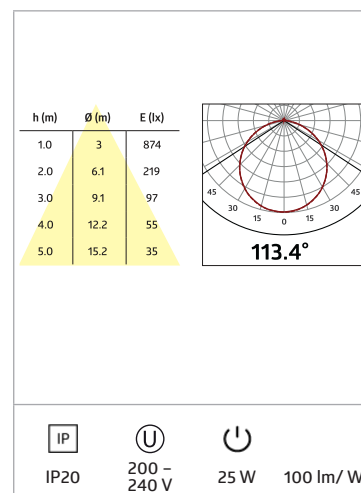
Description	Colour	Part number
AL8-25-300-LEDN-HF	white, similar to RAL9016	93631

LUXOMATIC® AL8-25-300-LED-3C-HF

- Flat round LED luminaires for wall or ceiling mounting
- Three colours in one light, switchable selection between warm, neutral or daylight white illumination
- Energy efficient light with long service life > 50,000 hours
- Broad light distribution using diffused light covers
- Integrated microwave sensor, not externally visible, wide detection range
- HF technology: 5.8 GHz - reacts to the smallest motion, independently of temperature
- DIP switches to set follow-up time, switch-on threshold and sensor sensitivity
- Sturdy plastic case made of polycarbonate
- high fire protection rating
- Simple mounting with separate mounting bracket

h (m)	Ø (m)	E (lx)
1.0	3	874
2.0	6.1	219
3.0	9.1	97
4.0	12.2	55
5.0	15.2	35

113.4°

IP	U		
IP20	200 – 240 V	25 W	80 / 100 / 96 lm/ W

Description	Colour	Part number
AL8-25-300-LED-3C-HF	white, similar to RAL9016	93141

LUXOMATIC®

Indoor lights

LUXOMATIC® AL12-25-300-LED-3C-HF

- Flat LED light for wall or ceiling mounting
- Three colours in one light, switchable selection between warm, neutral or daylight white illumination
- Energy efficient light with long service life > 50,000 hours
- Broad light distribution using diffused light covers
- Integrated microwave sensor, not externally visible, wide detection range
- HF technology: 5.8 GHz - reacts to the smallest motion, independently of temperature
- DIP switches to set follow-up time, switch-on threshold and sensor sensitivity
- Sturdy plastic case made of polycarbonate
- high fire protection rating
- Simple mounting with separate mounting bracket

h (m)	Ø (m)	E (lx)
1.0	3	874
2.0	6.1	219
3.0	9.1	97
4.0	12.2	55
5.0	15.2	35

113.4°

IP			
IP20	200 – 240 V	25 W	100 / 108 / 104 lm/ W
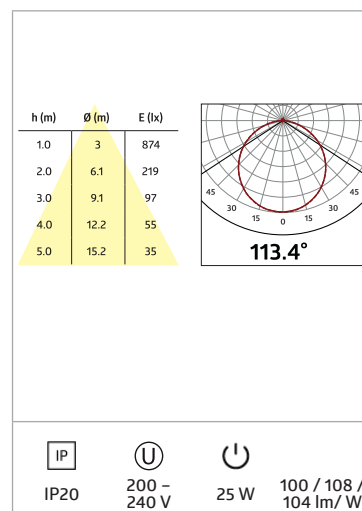
Description	Colour	Part number
AL12-25-300-LED-3C-HF	white, similar to RAL9016	93145

LUXOMATIC® AL93-20-300-LED-3C-HF

- Flat round LED luminaires for ceiling mounting
- Three colours in one light, switchable selection between warm, neutral or daylight white illumination
- Energy efficient light with long service life > 50,000 hours
- Anti-glare system with recessed LED and diffusers
- Integrated microwave sensor, not externally visible, wide detection range
- HF technology: 5.8 GHz - reacts to the smallest motion, independently of temperature
- DIP switches to set follow-up time, switch-on threshold and sensor sensitivity
- Sturdy plastic case made of polycarbonate
- Easy installation with a socket incl. Clamps

h (m)	Ø (m)	E (lx)
1.0	1.2	1518
2.0	2.5	379
3.0	3.7	169
4.0	4.9	95
5.0	6.1	61

63°

IP			
IP54	220 – 240 V	20 W	80 / 92 / 85 lm/ W
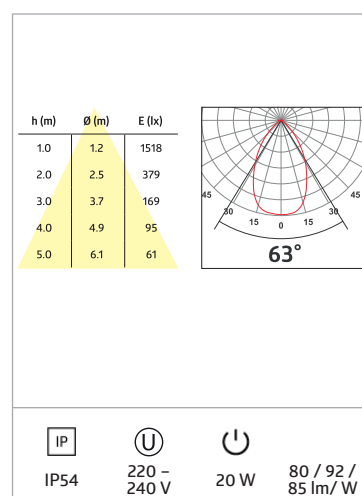
Description	Colour	Part number
AL93-20-300-LED-3C-HF	white, similar to RAL9016	93632

You can find corresponding accessories on our homepage.

LUXOMATIC®

Indoor lights

LUXOMATIC® HF-L1

- Wall and ceiling light with integrated microwave detector
- Range, switch-on threshold and follow-up time set via potentiometers
- HF technology: 5.8 GHz - reacts to the smallest motion, independently of temperature
- Extremely short response time
- Possibility to connect other lights which are also controlled by the one microwave detector
- Supply without lamp
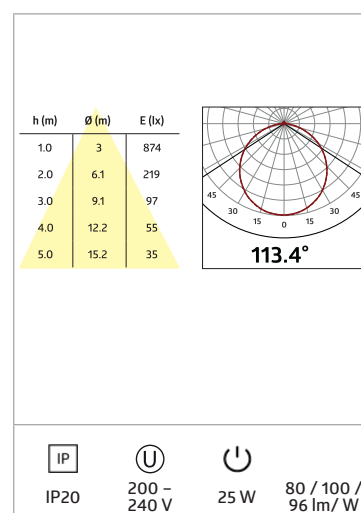
h (m)	Ø (m)	E (lx)
1.0	3.6	57
2.0	7.2	14
3.0	10.8	6
4.0	14.4	4
5.0	18.1	2

122.1°

IP — IP40   U — 230 V
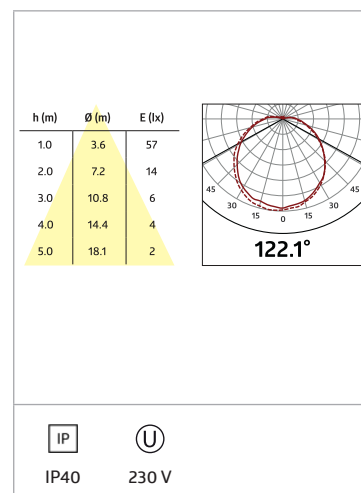
Description	Colour	Part number
HF-L1	white	94440

LUXOMATIC® HF-L8

- Wall and ceiling light with integrated microwave detector
- HF technology: 5.8 GHz - reacts to the smallest motion, independently of temperature
- Extremely short response time
- Range, switch-on threshold and follow-up time set via potentiometers
- Possibility to connect other lights which are also controlled by the one microwave detector
- Supply without lamp

h (m)	Ø (m)	E (lx)
1.0	3.7	27
2.0	7.4	7
3.0	11.0	3
4.0	14.7	2
5.0	18.4	1

122.9°

IP — IP40   U — 230 V
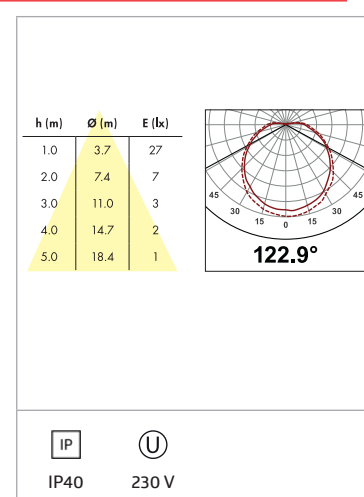
Description	Colour	Part number
HF-L8	white	94445
HF-L7	white	94450

Indoor lights

LUXOMATIC® HF-L11

- Wall and ceiling light with integrated microwave detector
- HF technology: 5.8 GHz - reacts to the smallest motion, independently of temperature
- Extremely short response time
- Range, switch-on threshold and follow-up time set via potentiometers
- Possibility to connect other lights which are also controlled by the one microwave detector
- Supply without lamp

h (m)	Ø (m)	E (lx)
1.0	3.9	317
2.0	7.9	79
3.0	11.8	35
4.0	15.7	20
5.0	19.6	13

126°

IP40   230 V
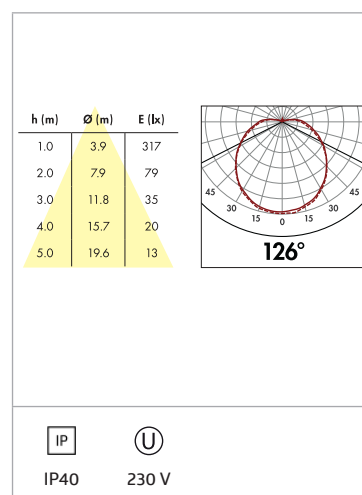
Description	Colour	Part number
HF-L11	white	94447

LUXOMATIC® PL1-30120-LED-AG-DALI-TW

- LED panel light in very flat design
- For installation in suspended ceiling systems Module 600
- Adjustable light colour from 2700 K to 6500 K
- DALI driver type 8 for colour control
- Good glare control through microprismatics UGR < 19
- Very uniform illumination of the prismatic cover

h (m)	Ø (m)	E (lx)
1.0	1.9	1698
2.0	3.9	425
3.0	5.8	189
4.0	7.8	106
5.0	9.7	68

88.2°

IP20   200 – 240 V   45 W   77 / 79 lm/ W
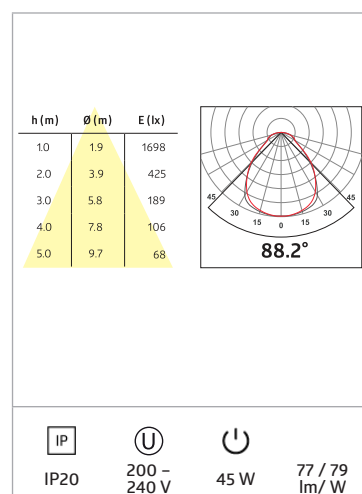
Description	Colour	Part number
PL1-30120-LED-AG-DALI-TW	white	93066

You can find corresponding accessories on our homepage.

LUXOMATIC®

Indoor lights

LUXOMATIC® PL1-31125-LED-AG-DALI-TW

- LED panel light in very flat design
- For installation in suspended ceiling systems Module 625
- Adjustable light colour from 2700 K to 6500 K
- DALI driver type 8 for colour control
- Good glare control through microprismatics UGR < 19
- Very uniform illumination of the prismatic cover

h (m)	Ø (m)	E (lx)
1.0	1.9	1698
2.0	3.9	425
3.0	5.8	189
4.0	7.8	106
5.0	9.7	68

88.2°

IP			
IP20	200 – 240 V	45 W	77 / 79 lm/ W
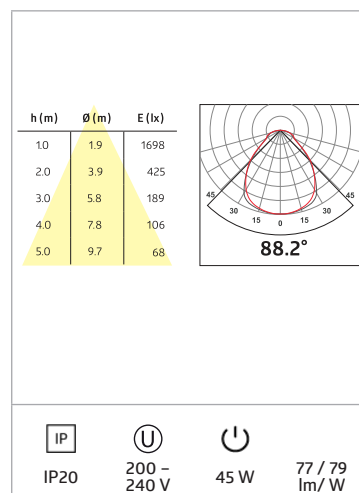
Description	Colour	Part number
PL1-31125-LED-AG-DALI-TW	white	93077

LUXOMATIC® DL10-18-172-LED-3C

- LED downlight for flush-mounting in ceilings
- Robust plastic housing with integrated control gear
- Broad light distribution using diffused light covers
- Very flat, white cover ring
- Underside splash-proof (IP54), top housing IP20
- Three colours in one light, switchable selection between warm, neutral or daylight white illumination
- Energy efficient light with long service life > 50,000 hours
- Every colour temperature is externally dimmable
- Simple installation and electrical connection

h (m)	Ø (m)	E (lx)
1.0	3	828
2.0	6.1	207
3.0	9.1	92
4.0	12.2	52
5.0	15.2	33

96.6°

IP			
IP20	200 – 240 V	18 W	111 / 117 / 122 lm/ W
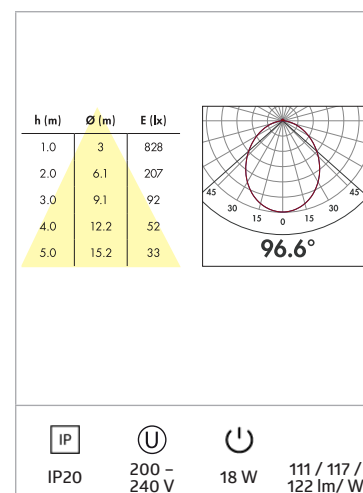
Description	Colour	Part number
DL10-18-172-LED-3C	white	93098

You can find corresponding accessories on our homepage.

Indoor lights

LUXOMATIC® DL11-18-172-LED-3C

- LED downlight for flush-mounting in ceilings
- Robust plastic housing with integrated control gear
- Aluminium reflector with good glare control UGR < 19
- Very flat, white cover ring
- Underside splash-proof (IP54), top housing IP20
- Three colours in one light, switchable selection between warm, neutral or daylight white illumination
- Energy efficient light with long service life > 50,000 hours
- Every colour temperature is externally dimmable
- Simple installation and electrical connection

h (m)	Ø (m)	E (lx)
1.0	3	954
2.0	6.1	238
3.0	9.1	106
4.0	12.2	60
5.0	15.2	38

61.5°

IP	U		
IP20	200 – 240 V	18 W	100 / 111 / 122 lm/ W

Description	Colour	Part number
DL11-18-172-LED-3C	white	93128

LUXOMATIC® DL12-18-172-LED-3C

- LED downlight for flush-mounting in ceilings
- Robust plastic housing with integrated control gear
- Aluminium reflector with facets for good glare control
- Very flat, white cover ring
- Underside splash-proof (IP54), top housing IP20
- Three colours in one light, switchable selection between warm, neutral or daylight white illumination
- Energy efficient light with long service life > 50,000 hours
- Every colour temperature is externally dimmable
- Simple installation and electrical connection

h (m)	Ø (m)	E (lx)
1.0	3	954
2.0	6.1	238
3.0	9.1	106
4.0	12.2	60
5.0	15.2	38

83.3°

IP	U		
IP20	200 – 240 V	18 W	100 / 111 / 122 lm/ W
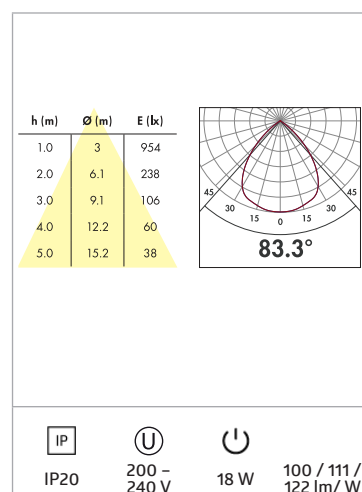
Description	Colour	Part number
DL12-18-172-LED-3C	white	93168

You can find corresponding accessories on our homepage.

LUXOMATIC®

Indoor lights

LUXOMATIC® PL2-30120D-LED-AG-DALI-TW
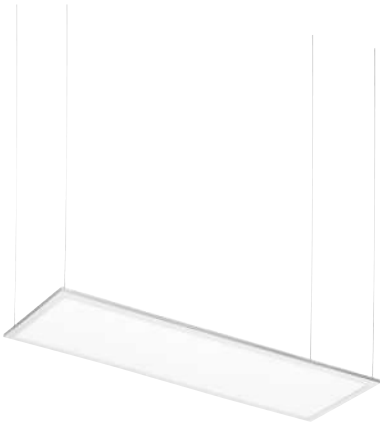
- Suspended LED panel luminaire
- direct and indirect illumation with separate control
- Adjustable light colour from 2700 K to 6500 K
- DALI driver type 8 for colour control
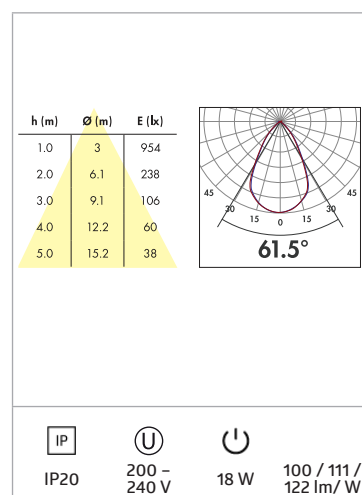- Good glare control through microprismatics UGR < 19

h (m)	Ø (m)	E (lx)
1.0	1.9	1256
2.0	3.8	314
3.0	5.8	140
4.0	7.7	78
5.0	9.6	50
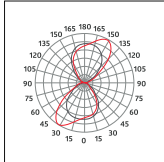
IP	U		
IP20	200 – 240 V	70 W	88 / 97 lm/ W

Description	Colour	Part number
PL2-30120D-LED-AG-DALI-TW	white	93667

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You can find corresponding accessories on our homepage.

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B.E.G.

■ Branches and commercial agencies

The illustrations in this catalogue regarding the design, size and colour of the devices are not binding.
We reserve the right to make changes in technology and design for the purpose of product improvement, as well as errors.

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