



B.E.G.

LIGHTING CONTROL SPECIALISTS

Internal / External / Contractor Range / Niche

- PIR Application Guide
- Save Energy!
- Reduce Costs!



Lighting Control Automation

B.E.G. UK

In the UK, B.E.G. supplies energy-saving lighting control solutions through the electrical wholesale market — but that's only part of the story. A significant proportion of our UK business is built on direct relationships with electrical contractors and end users, supported by an in-house design service and projects team who work alongside our customers from concept through to commissioning.

This project-focused approach means B.E.G. UK delivers complete lighting control solutions tailored to a wide range of sectors and budgets, including office fit-outs, speculative open-plan office space, education, data centres and industrial environments. We offer both wired and wireless solutions, and for larger schemes, systems can be centrally managed from a front-end computer, giving building managers live data analytics and control across the whole estate.

Whether a project calls for a simple standalone solution or a fully networked, building-wide system, B.E.G. UK's engineers provide specification support, lighting design, and technical documentation – helping contractors and consultants specify with confidence and deliver smoothly on site.

Who Are B.E.G.

B.E.G. – German Engineering

B.E.G. Brück Electronic GmbH is a family-run manufacturer of presence detection and lighting control technology, established in 1975 and headquartered in Lindlar, Germany. With over 260 employees worldwide, B.E.G. has grown into one of Europe's leading specialists in intelligent building automation, trading globally under the LUXOMAT® brand. Quality control, every product is developed and rigorously tested at our Lindlar headquarters – home to our own light laboratory, climatic and EMC chambers, and endurance-test facilities – ensuring lasting reliability wherever it's installed.



Internal Presence Detectors

PD9 Mini PIR – FAST MOVER (10m Detection, 400W)



Ultra-compact presence detector for discrete indoor lighting control. Power supply passes through the detector hole in the ceiling (34 mm Ø). Black & silver cover rings are also available in a IP65 version.

- Description PD9-1C-FC - Part number 92902
- Black cover ring 92235
- Colour RAL9010

PD3N – FAST MOVER (10m Detection 800W)



High sensitivity, quick install ceiling presence detector, with loop in/loop out terminals, **IR programmable**, 800W LED switching capacity. Two channel PIR switching lighting, solenoid valves or fans. Part number PD3N-2C-FC (92198)

- Description PD3N-1C-FC (Recessed) - Part number 92196 (FC)
- Description PD3N-1C-SM (Surface) - Part number 92190 (SM)
- Description PD3N-1C-SM (Black Surface) - Part number 93092
- Black cover ring for the PD3N-1C-FC - 93086
- Colour RAL9010

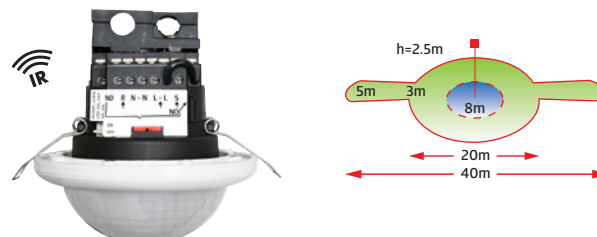
PD4N – Presence Detector (24m Detection 800W)



This indoor presence detector provides detection for up to 24m diameter coverage. This is ideal for large meeting rooms and spaces, with the option to mount the sensor up to 10m for a double height spaces. There is also a DALI version for dimming applications.

- **IR programmable**
- Switching & dimming versions
- Surface & recess versions
- DALI version
- Part number PD4N-1C-FC (92149) Recessed
- Part number PD4N-1C-SM (92144) Surface

PD4 - N – Corridor (20m Detection 800W)



Corridor presence detector, mounted in the centre of the corridor. **IR programmable**, 800W LED switching capacity

- Description PD4N-1C-C-FC (Recessed) - Part number 92274
- Description PD4N-1C-C-SM (Surface) - Part number 92270
- Colour RAL9010

PD4 - M – DALI High Bay (30m x 19m)



High Bay DALI-2 presence detector with a mounting height up to 16m. **IR programmable** with slave PIRs for an extended coverage. An ideal standalone solution for end clients looking to reduce their energy usage.

- Description PD4-M-DACO-GH-SM-DALI2 - Part number 93469
- Colour RAL9010

PD2N- M – DALI Presence Absence (10m detection)



DALI-2 presence/absence detector, for meetings rooms and offices. **IR programmable** with slave PIRs for an extended coverage. An ideal standalone solution for end clients looking to reduce their energy usage.

- Description PD2-M-DACO-FC-DALI2 - Part number 93452
- Back box for surface mounting-93454
- Colour RAL9010

DETECTION KEY Seated Walking Towards Walking Across



External Presence Detectors

LC Click SOLO – FAST MOVER (12m Detection)



- ✓ One PIR sensor
- ✓ Quick install plug & play
- ✓ Separate terminal wall mounting bracket
- ✓ LED switching capacity 400W
- ✓ Detection range-horizontal 140° & 200°
- ✓ Suitable for outdoor use

White 91101-140° & 91102-200°
Black 91121-140° & 91122-200°

LC Click (N) DUO (12m Detection)



- ✓ Two PIR sensors
- ✓ Blind spot detection (Anti Creep)
- ✓ Quick install plug & play
- ✓ Corner mounting bracket
- ✓ LED switching capacity 400W
- ✓ Detection range-horizontal 140° & 200°
- ✓ Suitable for outdoor use

White 93041-140° & 93042-200°
Black 93061-140° & 93062-200°

LC Plus PREMIUM (16m Detection)



- ✓ IR Programmable
- ✓ Downward detection
- ✓ Quick install plug & play
- ✓ LED switching capacity 400W
- ✓ 16m detection coverage
- ✓ Detection range-280°
- ✓ Suitable for outdoor use

White 91008
Black 91028

RC Plus PREMIUM (20m Detection)



- ✓ IR Programmable
- ✓ Two PIR sensors
- ✓ Blind spot detection (Anti Creep)
- ✓ Quick install plug & play
- ✓ LED switching capacity 800W
- ✓ Adjustable head
- ✓ Detection range-130° 230° 280°
- ✓ Corner bracket available
- ✓ Suitable for outdoor use

White 93321-130°, 93331-230°, 93341-280°
Black 93323-130°, 93333-230°, 93343-280°

Aleum ARCHITECTURAL (16m 4 sensors)



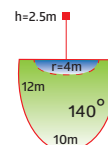
- ✓ Bluetooth Programmable
- ✓ Four PIR sensors
- ✓ Quick install plug & play
- ✓ App based commissioning
- ✓ RGB colour change
- ✓ LED switching capacity 800W
- ✓ Adjustable parameters
- ✓ Suitable for outdoor use

White 93132
Black 93134

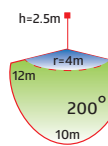


Detection Pattern

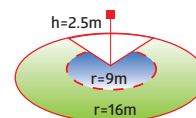
LC Click
SOLO & Duo



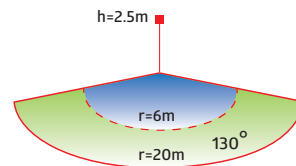
LC Click
SOLO & Duo



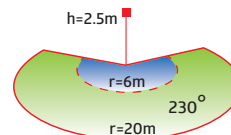
LC Plus
PREMIUM



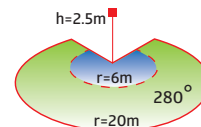
RC Plus
PREMIUM



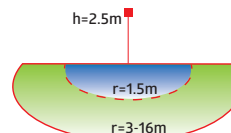
RC Plus
PREMIUM



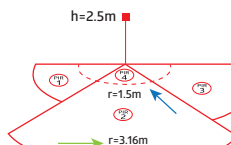
RC Plus
PREMIUM



Aleum
Architectural



Aleum
PIR Zones



DETECTION KEY Seated Walking Towards Walking Across



Contractor Range

PD9 Mini PIR – FAST MOVER (10m Detection)



Ultra-compact presence detector for discrete indoor lighting control. Power supply passes through the detector hole in the ceiling (34 mm). Black & silver cover rings are also available. And an IP65 option.

- ✓ Presence detection
- ✓ 10m diameter coverage
- ✓ 400W LED switching capacity

- Description PD9-1C-FC - Part number 92902
- Colour RAL9010
- Black cover ring 92235

PD3 – FAST MOVER (10m Detection)



High sensitivity, quick install ceiling presence detector, with loop in loop out terminals, 400W LED switching capacity.

- ✓ Presence detection
- ✓ 10m diameter coverage
- ✓ 400W LED switching capacity
- ✓ Front of unit-manual adjustment for time & lux parameters
- ✓ Zero cross switching

- Description PD3-1C-FC (Recessed) - Part number 92197
- Description PD3-1C-SM (Surface) - Part number 92194
- Zero cross switching
- Manual parameter adjustment
- Colour RAL9010

BL2 – Presence & Absence



Ceiling motion detector for indoor use with a 360° detection area. One channel for light switching with zero cross switching. **IR programmable** for quick parameter adjustments. Ideal for cost-effective applications.

- ✓ Absence or Presence
- ✓ 8m diameter coverage
- ✓ 400W LED switching capacity
- ✓ **IR programmable**
- ✓ Programmable via the B.E.G. One App

- Description BL2 (93317) - **Presence Detector**
- Description BL2 Plus (93405) - **Absence Detector/Switch override**

LC Click SOLO – FAST MOVER



Motion detector with detection area of 140° & 200° With an adjustable ball head.

- ✓ One PIR sensor
- ✓ Separate wall mounting bracket for weather protection
- ✓ Quick install plug & play
- ✓ LED switching capacity 400W
- ✓ 2m by 10m coverage
- ✓ Detection range-horizontal 140° & 200°
- ✓ Suitable for outdoor use

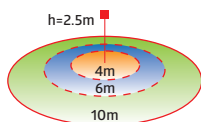
- Part Number (White) 91101-140° & 91102-200°
- Part Number (Black) 91121-140° & 91122-200°

DETECTION KEY Seated Walking Towards Walking Across



Niche Presence & Absence Detectors

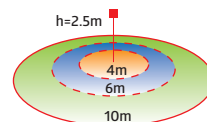
Healthcare



This unique **IR Programmable** occupancy sensor houses an array of LED lamps in the bezel, providing 90 lumens as a night light, when the main lights switch off. This is ideal for corridors in care homes, retirement homes and areas that always require a background light. The switching capacity is 800W.

- Description PD2N-M-1C-LED-FC (Recessed) - Part number 94055
- Colour RAL9010

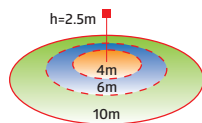
Shower Rooms



This mini high quality, IP65 presence detector, with a switching capacity of 400W LED is **IR programmable**. Dimension: (33mm Ø). No additional power unit is required, suitable for high-humidity locations

- Description PICO-N-M-1C-FC - Part number 93159
- Colour RAL9010

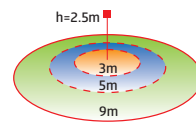
Hotel Shower Rooms & WC's



This Mini-occupancy detector is designed for high-humidity locations, especially for small shower rooms in hotels, with a 400W LED switching capacity. The sensor is **IR programmable** for the adjustment of occupancy time outs and lux levels, making it easier for the hotel maintenance team to make parameter adjustments. There are a choice of different colour bezels, including white, black & silver.

- Description PD9-M-1C-SDB-IP65-FC (Recessed) - Part number 92912
- Silver and Anthracite bezels are also available

Offices & High End Residential



- Description PD11-M-1C-FLAT-FC (Recessed) Part number 92583 (FC)
- Bezel options Black & white
- Part number BLK cover ring 92537
- Part number square frame 92994
- Colour RAL9010

This **IR Programmable** sensor always keeps the architect or end user happy, if they are looking for clean lines on the ceiling. With a Ø43 and 400W switching capacity this sensors ideal for a contemporary environment.

Office

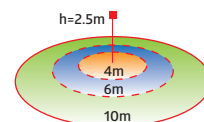


2 Channel

- Description PD2N-M-DACO-DUO DALI-2 Part number 93453
- Colour RAL9010
- Cover ring anthracite 93771

This DALI-2 two channel presence detector is **IR programmable** with slave PIRs for an extended coverage. An ideal standalone solution for end clients looking to reduce their energy usage. Channel 1 is for control of the window row and channel 2 for the inner rows. The sensor also includes 2 over-ride push to dim switch inputs.

Office Luminaire mount



This miniature (33mm Ø) luminaire mount DALI-2 presence/absence detector, connects to a range of B.E.G. DALI systems. If you require any further information you can contact our office and speak to our technical department to discuss your project 0870 850 5412

DALI-LINK

DALI-SYS

DETECTION KEY Seated Walking Towards Walking Across



www.beg-luxomat/en/ 0870 850 5412
Grove House, Apex Court, West Byfleet, Surrey, KT14 6SQ



B.E.G. UK – Project Solutions

Design- Deliver- Support

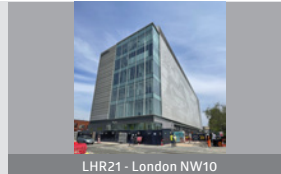
CASAMBI

DALI
Alliance

KNX®

1 – DALI Broadcast Solution

Simple, cost-effective dimming and switching where every luminaire in a zone responds together. Ideal for standalone rooms and smaller areas that need daylight dimming and presence/absence control without the complexity of addressing.



LHR21 - London NW10



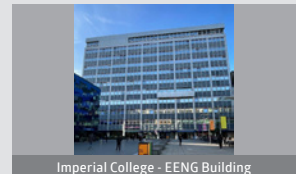
Essex X Ray

2 – DALI Addressable Solution (DALI-LINK)

Fully addressable, individually controllable luminaires and sensors, commissioned wirelessly from an app with no head-end PC. Ideal for single rooms and floors needing daylight linking, scene setting and precise zoning.



London South East Colleges - Greenwich



Imperial College - EENG Building

3 – Building-Wide DALI Addressable Solution (DALI-SYS)

A fully networked, addressable system covering an entire building, centrally monitored and managed. Ideal for larger schemes needing whole-building oversight, with the capability of integrating with BMS and visualise real time floor plan for central control.



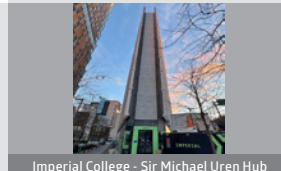
KPMG Watford



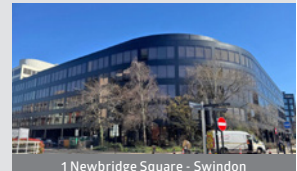
Mercedes-Benz of Chelmsford

4 – Human Centric Lighting (HCL)

Circadian lighting that automatically shifts colour temperature and intensity across the day to support wellbeing, focus and comfort. Ideal for offices, education and healthcare where occupant experience matters.



Imperial College - Sir Michael Uren Hub



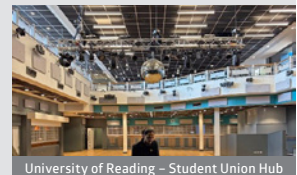
1 Newbridge Square - Swindon

5 – Scene Setting

Pre-configured lighting scenes recalled at the touch of a button, adapting a space to different uses. Ideal for meeting rooms, lecture theatres, function spaces and multi-use areas.



Perse School Sport Centre - Cambridge



University of Reading – Student Union Hub

6 – Classroom Application

Purpose-designed control for teaching spaces, combining presence or absence detection, daylight dimming, separate whiteboard control. Ideal for schools, colleges and universities.



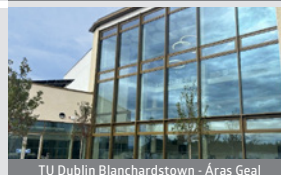
Limebrook primary school - Essex



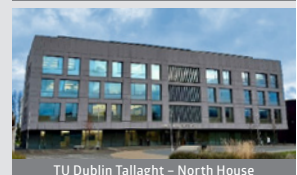
St Patrick's Classical School - Ireland

7 – BMS Integration

Seamless connectivity with building management systems via BACnet/IP, so lighting works as part of the wider building rather than in isolation. Ideal for projects requiring coordinated control of lighting, HVAC and blinds.



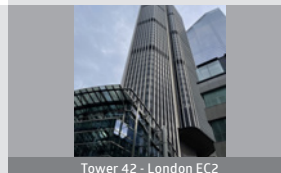
TU Dublin Blanchardstown - Áras Geal



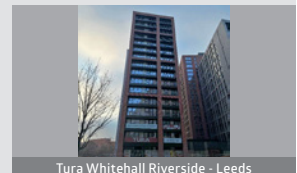
TU Dublin Tallaght – North House

8 – Front-End Graphics

Central, PC-based monitoring and control with live floor-plan graphics, scheduling and status at a glance. Ideal for facilities teams managing large or multi-area buildings from one screen.



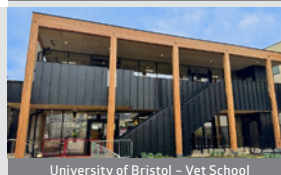
Tower 42 - London EC2



Tura Whitehall Riverside - Leeds

9 – Emergency Test & Monitoring

Automated testing, logging and reporting of emergency lighting to IEC 62034, removing manual testing and ensuring continuous compliance. Ideal for any building with a duty to test and certify emergency lighting via the lighting control system.



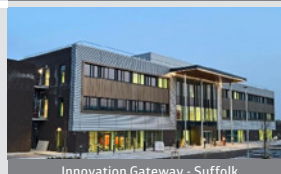
University of Bristol - Vet School



TU Dublin Grangegorman

10 – Energy Monitoring

Live visibility of lighting energy consumption across the building, supporting sustainability targets and ongoing optimisation. Ideal for BREEAM-rated and energy-conscious projects wanting to evidence performance.



Innovation Gateway - Suffolk



Preston Circus fire station - Brighton

B.E.G.

Feel comfortable in your building

■ Branches and
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World Wide Distribution



Internal



External



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We reserve the right to make changes to the technical
specifications and design, and to correct any errors.

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