



iLight Solo Sensors

230V mains powered stand
alone sensor guide



iLight Solo Sensors

The iLight Solo range of 230v occupancy sensors are designed to deliver energy efficiency, comfort and code compliance across a wide range of stand alone lighting applications. Programmable features make these units easy to set up, configure and use for a tailored solution for each individual requirement. The following selection guide has been designed to summarize the key features and applications. Please consult individual product datasheets and installation instructions for more detail at: www.iLight.co.uk/sensors

Passive Infra-red (PIR) Ceiling Sensors

PPD-C-230V



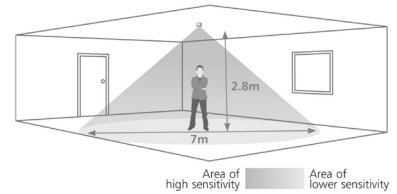
Stand alone mains voltage powered, ceiling mounted PIR (passive infrared) sensor.

- Presence detection
- Manual adjustment only
- Adjustable light level threshold
- Adjustable timer
- Max mounting height: 3m
- Dims: 76mm Ø x 68.5mm Depth

Applications

Smaller offices, toilets, circulation areas.

Detection



Accessories

SB-C Surface mount box
SB-C-EX Surface box extension

PPAD-C-230V



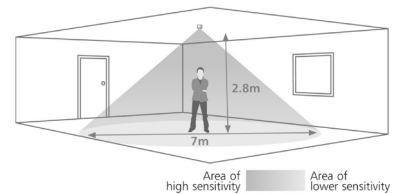
Stand alone mains voltage powered, ceiling mounted PIR sensor.

- Presence or absence detection
- Adjustable light level threshold
- Adjustable timer
- IR Receiver for remote setup
- Max mounting height: 3m
- Dims: 76mm Ø x 68.5mm Depth

Applications

Smaller offices, toilets, circulation areas.

Detection



Accessories

SB-C Surface mount box
SB-C-EX Surface box extension

PPAD-C-DALI-230V



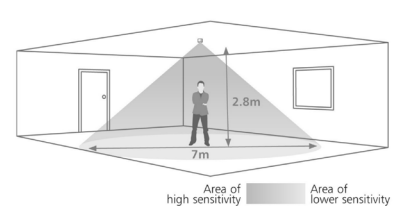
Stand alone mains voltage powered, ceiling mounted PIR sensor with DALI / DSI dimming.

- Presence or absence detection
- Light level sensor
- Adjustable timer
- IR Receiver for remote setup
- Max mounting height: 3m
- Dims: 76mm Ø x 68.5mm Depth

Applications

Open plan office, Modular offices, commercial spaces where daylight harvesting and minimum light levels are required.

Detection



Accessories

SB-C Surface mount box
SB-C-EX Surface box extension

Passive Infra-red (PIR) High bay Ceiling Sensors

PPAD-C-HB-230V



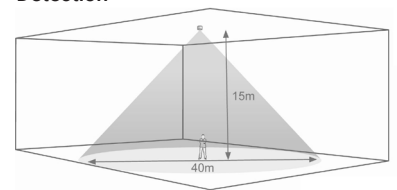
High Bay, stand alone mains voltage powered, ceiling mounted PIR sensor.

- Presence or absence detection
- Adjustable light level threshold
- Adjustable timer
- IR Receiver for remote setup
- IP40 / IP65 with supplied gasket
- Max mounting height: 15m
- Dims: 88mm Ø x 112mm Depth

Applications

Warehouse, storage aisle, industrial, atriums, high bay applications.

Detection



Accessories

SB-C Surface mount box
SB-C-EX Surface box extension

PPAD-C-HB-DALI-230V



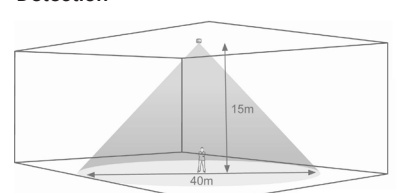
High bay, stand alone mains voltage powered, ceiling mounted PIR sensor with DALI / DSI dimming.

- Presence or absence detection
- Light level sensor
- Adjustable timer
- IR Receiver for remote setup
- IP40 / IP65 with supplied gasket
- Max mounting height: 15m
- Dims: 88mm Ø x 112mm Depth

Applications

Warehouse, storage aisle, industrial, atriums, high bay where daylight harvesting and minimum light levels are required.

Detection

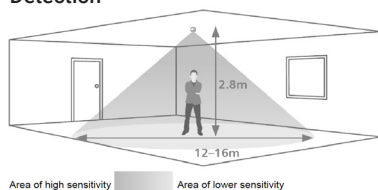


Accessories

SB-C Surface mount box
SB-C-EX Surface box extension

Microwave Ceiling Sensors

Detection



Area of high sensitivity Area of lower sensitivity

Applications

Larger offices, classrooms and commercial spaces.

Stand alone mains voltage powered, ceiling mounted microwave sensor.

- Presence or absence detection
- Adjustable light level threshold
- Adjustable timer
- IR Receiver for remote setup
- Max mounting height: 3m
- Dims: 76mm Ø x 68.5mm Depth

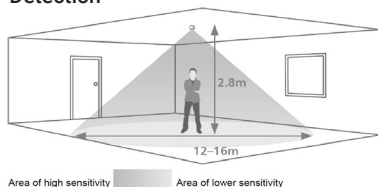
Accessories

SB-C Surface mount box
SB-C-EX Surface box extension



MPAD-C-230V

Detection



Area of high sensitivity Area of lower sensitivity

Applications

Larger offices, classrooms and commercial spaces where daylight harvesting and minimum light levels are required.

Stand alone mains voltage powered, ceiling mounted microwave sensor with DALI / DSI dimming.

- Presence or absence detection
- Light level sensor
- Adjustable timer
- IR Receiver for remote setup
- Max mounting height: 3m
- Dims: 76mm Ø x 68.5mm Depth

Accessories

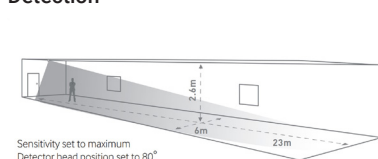
SB-C Surface mount box
SB-C-EX Surface box extension



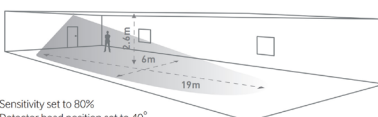
MPAD-C-DALI-230V

Microwave Adjustable Ceiling Sensors

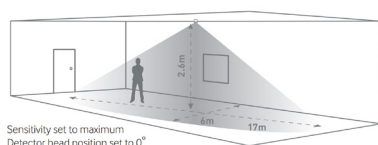
Detection



Sensitivity set to maximum
Detector head position set to 80°



Sensitivity set to 80%
Detector head position set to 40°



Sensitivity set to maximum
Detector head position set to 0°

Applications

Large office spaces, class rooms, corridors.

Stand alone mains voltage powered, ceiling mounted adjustable microwave sensor.

- Adjustable detector head / range
- Presence or absence detection
- Adjustable light level threshold
- Adjustable timer
- IR Receiver for remote setup
- Max mounting height: 3m
- Dims: 85mm Ø x 99mm Depth

Accessories

SB-C-A Surface mount box
SB-C-A-EX Surface box extension



MPAD-C-A-230V
MPAD-C-A-230V-R2
MPAD-C-A-230V-R3
MPAD-C-A-230V-R4
MPAD-C-A-230V-R5

Microwave frequency compatibility

Frequency of operation is different depending on region.
Please select the correct suffix using the table on the rear page

Stand alone mains voltage powered, ceiling mounted adjustable microwave sensor with DALI / DSI dimming.

- Adjustable detector head / range
- Presence or absence detection
- Light level sensor
- Adjustable timer
- IR Receiver for remote setup
- Max mounting height: 3m
- Dims: 85mm Ø x 99mm Depth

Accessories

SB-C-A Surface mount box
SB-C-A-EX Surface box extension



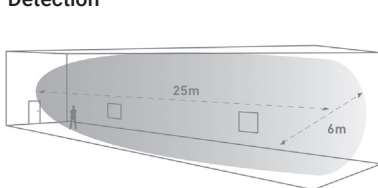
MPAD-C-A-DALI-230V
MPAD-C-A-DALI-230V-R2
MPAD-C-A-DALI-230V-R3
MPAD-C-A-DALI-230V-R4
MPAD-C-A-DALI-230V-R5

Microwave frequency compatibility

Frequency of operation is different depending on region.
Please select the correct suffix using the table on the rear page

Microwave Exterior Sensor

Detection



Area of high sensitivity Area of lower sensitivity

Weather proof stand alone mains voltage powered, wall mounted microwave sensor.

- IP66 enclosure
- Presence detection
- Adjustable light level threshold
- Adjustable timer
- IR Receiver for remote setup
- Max mounting height: 3m
- Dims: 110 x 110 x 63mm

Applications

Exterior spaces, car parks, courtyards, entrance ways.



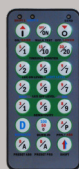
MPD-W-EXT-230V
MPD-W-EXT-230V-R2
MPD-W-EXT-230V-R3
MPD-W-EXT-230V-R4
MPD-W-EXT-230V-R5

Microwave frequency compatibility

Frequency of operation is different depending on region.
Please select the correct suffix using the table on the rear page

Hand Held Programmers

HHIR-PROG



Infrared Programming Handset

Compact infrared handset used for the basic programming of IR enabled iLight stand alone sensors.

- IR range: 7m
- Dimensions: 86mm x 4mm x 67mm

HHIR-LCD-PROG



Infrared Programming Handset with LCD display

Advanced compact infrared handset used for the operation, configuration and programming of iLight sensors that have the ability to be programmed via IR.

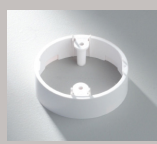
- Readback: to read the settings from a device
- Flash drive spec: 128MB min to 16GB max, FAT/FAT32, single partition drive
- IR transmit range: Low - 8m, medium - 15m and high - 25m
- Dimensions: 94mm x 160mm x 25mm

Accessories

SB-C



SB-C-EX



SB-C-A



SB-C-A-EX



SB-C

Surface box for PPAD, MPAD (excluding MPAD-C-A)

- Dimensions: 76mm Ø x 65mm Depth

SB-C-EX

Surface box extension for PPAD, MPAD (excluding MPAD-C-A)

- Dimensions: 76mm Ø x 19mm Depth

SB-C-A

Surface box for MPAD-C-A (Adjustable) only

- Dimensions: 85mm Ø x 93mm Depth

SB-C-A-EX

Surface box extension for MPAD-C-A (Adjustable) only

- Dimensions: 85mm Ø x 19mm Depth

PPAD-C-HB-WALL BRACKET



MPAD-C-A-WALL BRACKET



PPAD-C-HB-WALL BRACKET

Wall bracket for PPAD-C-HB (High bay sensor)

- Dimensions: 125 x 103 x 63mm

MPAD-C-A-WALL BRACKET

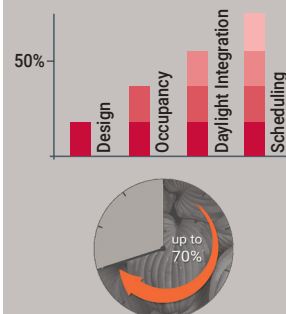
Wall bracket for MPAD-C-A microwave sensors

- Dimensions: 125 x 103 x 63mm

Code Compliance

- Improves BREEAM & LEED scoring for building sustainability.
- Contributes to energy reduction targets under Climate Change Levy (CCL) and Carbon Reduction Commitment (CRC).
- Qualifies for Enhanced Capital Allowance (ECA) applications.
- Delivers lighting control requirements under UK Building Regs - L2a & L2b and BRE: 498.

Achievable Energy Savings



Microwave frequency compatibility

(For MPAD-C-A-230V, MPAD-C-A-DALI -230V and MPD-W-EXT-230V Sensors)

Code	Region	Frequency
blank	UK, China, India, Middle East, Malaysia, Hong Kong, Singapore	
-R2	Australia and all of Europe except: UK, France, Portugal, Germany, Switzerland, Austria, Slovak Republic, Republic of Ireland	
-R3	France, Portugal, Switzerland	9.900GHz
-R4	Germany, Austria, Slovak Republic	9.350GHz

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