

Installation Instructions

CITTO WITH SENSOR

SKU# 20099,20100

Rated Voltage 220-240V~ 50Hz

Thank you for purchasing this quality LEDlux product. To ensure correct function and safety, please read and follow all instructions carefully before assembly, installation and use of this luminaire. Please keep instructions for future reference.

Warranty

- This luminaire is covered by a 3 year warranty. The warranty is from date of purchase, not the date of installation.
- If the luminaire is not installed by a licensed electrician it will void the warranty.
- Please retain proof of purchase and evidence of installation by a licensed electrician for any warranty enquiries.
- Warranty will be void if there is any damage due to improper usage or modification to the luminaire.
- This luminaire is not suitable for use with dimmer switches. Warranty will be void if the luminaire is used on the same circuit which has a dimmer switch.
- Failure to comply with the instructions in this manual may increase the risk of damage or injury and will void warranty.

Installation Requirements

- Must be assembled and installed by a licensed electrician.
- All wiring and installation of the light fitting must adhere to local and national wiring rules.
eg. AS/NZS 3000
- This luminaire is rated IP65, this must be maintained during wiring and installation.
- Select a suitable location for installation:
 - This luminaire is protected against water penetration to IP65 standards, which is splashing in every direction.
 - The mounting point must support 2 times the weight of the luminaire.
- CAUTION: risk of electric shock . The light source of this luminaire is not replaceable; when the light source reaches its end of life the whole luminaire will require replacement.
- Take care not to pull any electrical wires during unpacking as this may damage the connection.
- Lay out all the components on a smooth surface and make sure there are no components missing before assembling. If parts are missing, return the complete product to the place of purchase for inspection or replacement.
- Check whether the luminaire has been damaged during transport. Do not operate/install any luminaire which appears damaged in any way. Return the complete product to the place of purchase for inspection, repair or replacement.
- Ensure power to the circuit you are working on has been switched OFF, before commencing any electrical work.

PIR sensor information

PIR (PASSIVE INFRA RED) SENSOR:

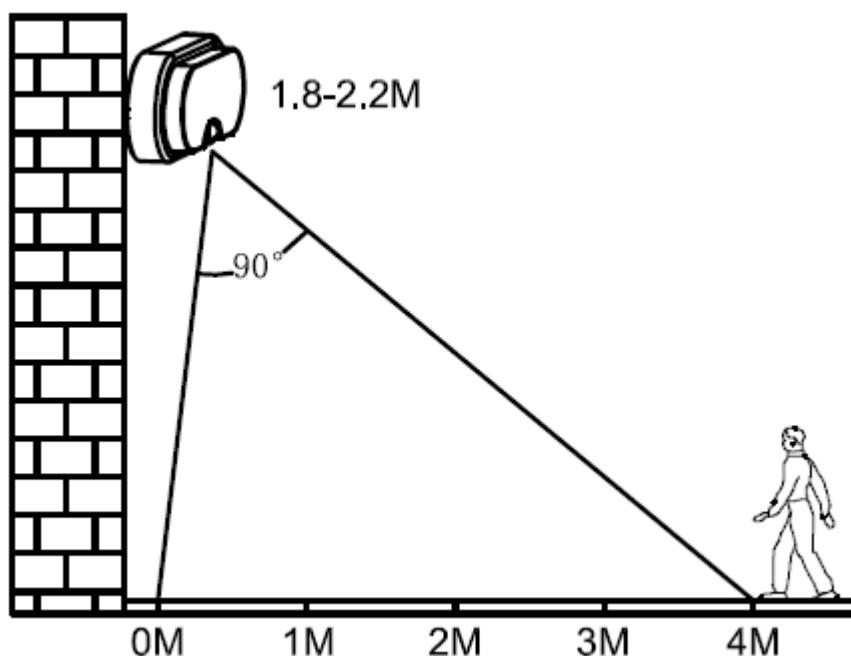
The luminaire has a PIR (Passive Infra Red) sensing device which continuously scans the operating zone and immediately switches the light on when it detects movement in that area. Whenever movement is detected within the range of the sensor, the light will switch on automatically to illuminate the area. While there is movement within the sensor range, the light will remain on.

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SENSOR LOCATION & INFORMATION:

To find a suitable location for installation, please take into consideration the following points:

- The ideal mounting height for the luminaire is between 1.8m to 2.2m above the detection area. Fig 1.
- The detection area is approximately 4 meters away at an angle of 90° wide. This may vary depending on the mounting height and location.
- The detection area may also alter at different temperatures. PIR sensors are more sensitive in cold weather than warm weather.
- The sensor has better sensitivity with movement across the detection area. Fig 2.
- The sensor has reduced sensitivity with movement towards and away from the detection area. Fig 3.
- If movement is made walking directly towards or away from the sensor and not across, the apparent detection range will be substantially reduced.
- To avoid false triggering, the sensor should be directed away from potential heat sources, such as barbecues, air-conditioners, air vent etc.
- Also avoid areas with electromagnetic disturbance, outside lighting, moving cars, trees or pets etc.
- Avoid installing the luminaire in close proximity or on the same circuit to any fluorescent luminaires or ceiling fans. RFI (Radio Frequency Interference) may cause the luminaire to switch on unintentionally.
- Do not aim the sensor towards reflective surfaces, such as smooth white walls, swimming pools etc.
- To avoid damage to the sensor, do not aim the sensor towards the sun.
- It is recommended that the luminaire is installed on its own switch and does not interconnect with other lights on the same switch as it may cause false triggering.



Installation Directions

Remove all packaging material from the product and be careful not to throw away accessories that may be hidden within the packaging material. If assembly is required, place the luminaire on a smooth non-scratch surface.

1. Pull the decorative ring out from the luminaire. And remove the diffuser by loosening the screws. Fig.2
2. Adjust the PIR sensor setting to your preferred. Fig.3
3. Use the lamp base as a template to mark the screw position on the installation area. Fig. 5
4. Unscrew the Fixing Cover Screws then remove the terminal cover. Fig. 6
5. Connect the main supply wire to the terminal block. Ensure wires are secure and no bare wires are exposed. Fig.7

Mains Supply Wire

Neutral – Blue or Black

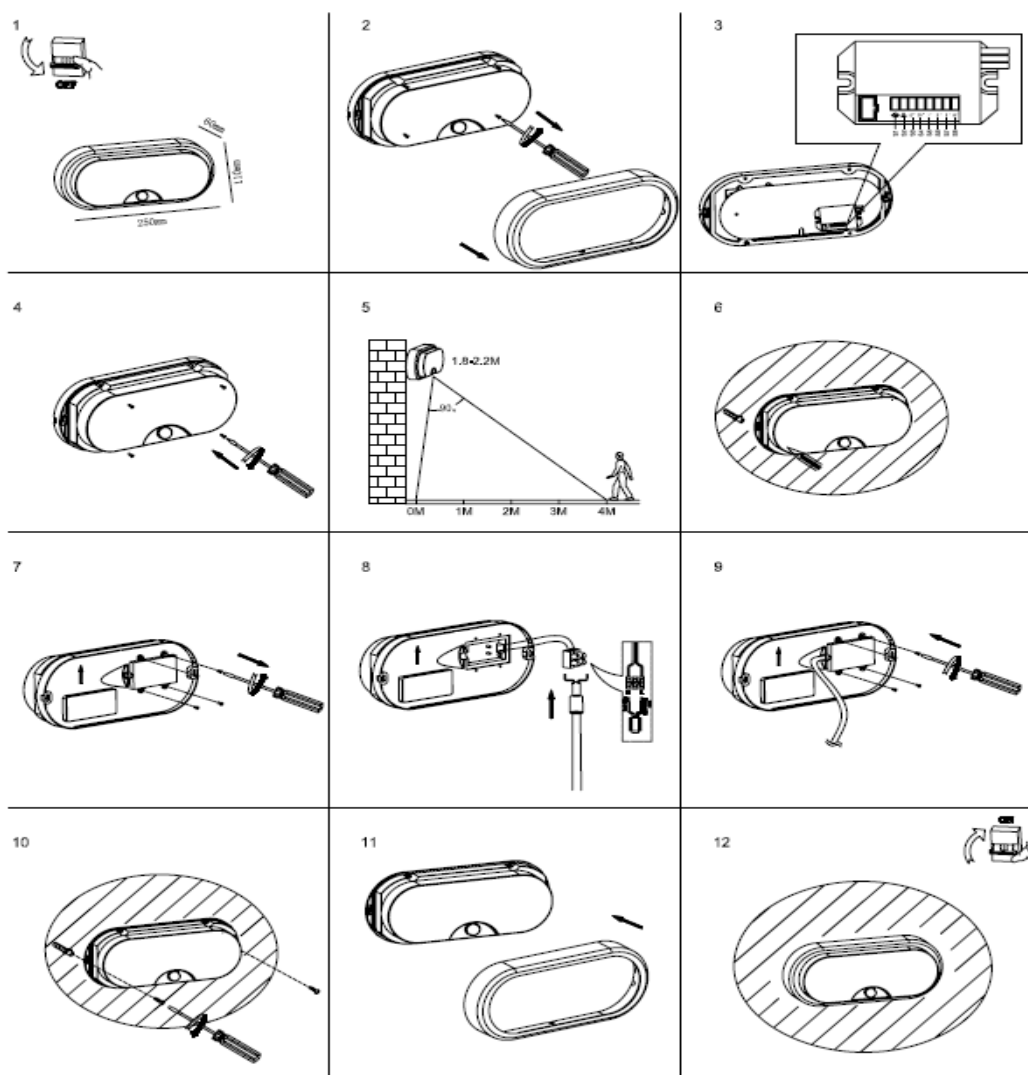
Live – Brown or Red

Luminaire Wire

Blue or N

Brown or L

6. Re-fit the terminal cover, and tightly secure with cover fixing screws.
7. Install the lamp base onto the installation area using appropriate size mounting screws and anchors. Ensure the screws are suitable for the mounting surface and surrounding environment. Fig. 4
8. Re-fit the cover, and tightly secure with cover fixing screws.
9. Switch ON to check the product has been installed correctly.



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SENSOR SWITCH SETTINGS:

LUX LEVEL: The lux control module has a built-in sensing device (photocell) that detects daylight and darkness. The switch S1 () set up at the **Down** position means that the luminaire will work at both day and night. The switch S1 () set up at the **UP** position will only work at night.

NOTE: If you want to test the detection area of the PIR sensor, please wait for the ambient light level is below 20 lux.

ADJUSTING THE SENSITIVITY: The sensitivity switch S2 () means the distance which PIR Sensor can be triggered by movement body. Set the S2 switch at the **down** position, the PIR sensor can be triggered by movement body less than 5 meters. Slide the S2 switch to the **UP** position, the PIR sensor can be triggered by movement body less than 3 meters.

DURATION TIME: The length of time the light will remain switched on after activation can be adjusted from 5secs to 8mins (switch S3: 5S, S4: 30S, S5: 1min, S6: 3mins, S7: 5mins and switch S8: 8mins). For example, slide the switch S3 from the **Down** to the **UP** position will activate the duration time to be 5 seconds.

NOTE: Do not set more than two switches to the right position, it will disorder the time control. Select one duration time switch only.

NOTE: Once the light has been triggered by the PIR sensor, any subsequent detection will start the timed period again from the beginning, the light will remain on until there is no movement detected.

SENSOR TESTING:

- Slide the LUX control switch S1 () to the **Down** position and the TIME control switch S3 (5") to the **UP** position. Turn the wall switch on and the light will turn on and remain on for about 15 seconds for the "warm-up" mode. After this initial "warm up" mode the light will turn off and the luminaire will be in AUTO MODE.
- Have someone walk across the centre of the area to be scanned until the luminaire can sense the moving person and causes the light to switch on.
- Adjust the TIME control switches (S3-S8) to the desired length of time for the luminaire to remain on.
- Adjust the LUX control switch to achieve the ideal ambient light for the luminaire to switch "on".

MANUAL MODE: (Sensor Override Function)

Manual mode is used when you want the LED lights to be constantly on. The PIR sensor will be disabled and not affected by the duration time and lux level settings. The maximum duration for manual mode is 24 hours.

- During normal use the wall switch is in the ON position and the luminaire is in AUTO MODE with the PIR sensor detecting any movement and the LED lights will switch on and off accordingly.
- To switch into MANUAL MODE, turn the wall switch off and on twice within three seconds.
Wall switch action: OFF → ON → OFF → ON.
Wait for 3 seconds and the LED lights will turn on and the luminaire will be in MANUAL MODE.
NOTE: If the wall switch action is done only once or more than twice, the luminaire will not enter into MANUAL MODE.
- To change back to AUTO MODE, turn the wall switch off and on, the luminaire will enter "warm-up" mode and the LED light will remain on for about 15 seconds. After this the LED lights will turn off and the luminaire will be in AUTO MODE.

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Wall switch action: OFF → ON

Safety tips

- Always ensure the power is OFF and the fitting has cooled down before performing any maintenance, cleaning or making any adjustment to the luminaire.
- To avoid injury or damage to the luminaire, ensure that power leads and screws are secure before connecting the power.
- Select a suitable location away from hazards.
- The luminaire must not be used if the shade has been cracked. Replace any cracked protective shield.
- To clean, wipe with a soft damp cloth. Do NOT soak or immerse the product in water or other liquids.
- Ensure that the luminaire does not come in contact with corrosive chemicals/solvents or abrasive cleaners etc.

Specifications

SKU #	#20099	#20100
Colour #	Silver	Carbon
Rated Voltage	220-240V~ 50Hz	
Rated Wattage	12W	
LED	4000K	
Weight	0.36kg	
IP Rating	IP65	
Dimensions	W: 250mm H:110mm E:60mm	