



Buddy Tri-colour LED Downlight

SKU# 15097L

Rated Voltage 220-240V~ 50Hz

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

Warranty

- This recessed luminaire is covered by a 3 year warranty, valid for in-store replacement or refund only.
- The warranty period starts from the date of purchase, not the date of installation. Please retain proof of purchase.
- This recessed 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.
- Warranty will be void if there is any damage due to improper usage or modification to the recessed luminaire.
- Failure to comply with the instructions in this manual may increase the risk of damage or injury and will void the warranty.

Installation Requirements

- Before installation, check the installation location in the ceiling has access to a socket outlet which is connected to a wall light switch. If it does not, please contact a licensed electrician to arrange installation of the socket outlet, wall light switch before continuing.
- All wiring and installation of the recessed luminaire must adhere to latest local and national wiring rules. eg. AS/NZS 3000 Electrical installations. If unsure, please contact a licensed electrician.
- This smart LED downlight is rated IP44. only after it is fully installed, this must be maintained during installation.
NOTE: The LED driver and the back part of the LED downlight module are rated IP20.
- Select a suitable location for installation:
 - The mounting point must support 2 times the weight of the recessed luminaire.
 - This recessed luminaire is suitable for indoor or outdoor use, provided that, it is installed under cover or under eaves.
- This LED downlight luminaire has an insulating ceiling type IC-4 and IC-F rating. Building insulation material can safely be exposed continuously to temperatures up to 90°C may abut and cover the luminaire. (Please refer to the Clearance Information section and the IC-4/ IC-F Rating section in this instruction manual for further details.)
- The luminaire must not be used if the diffuser on the LED downlight module has been damaged or cracked.
- 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 recessed luminaire has been damaged during transport. Do not operate/install any product 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.



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.

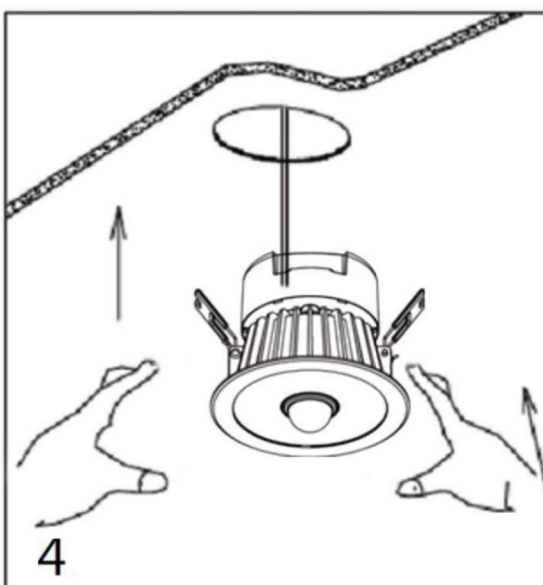
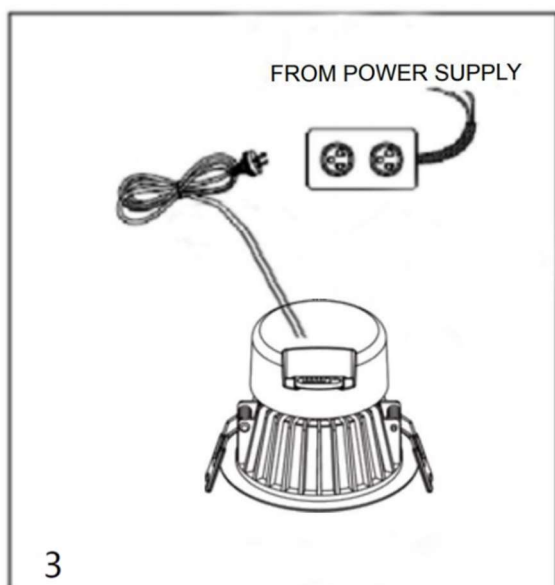
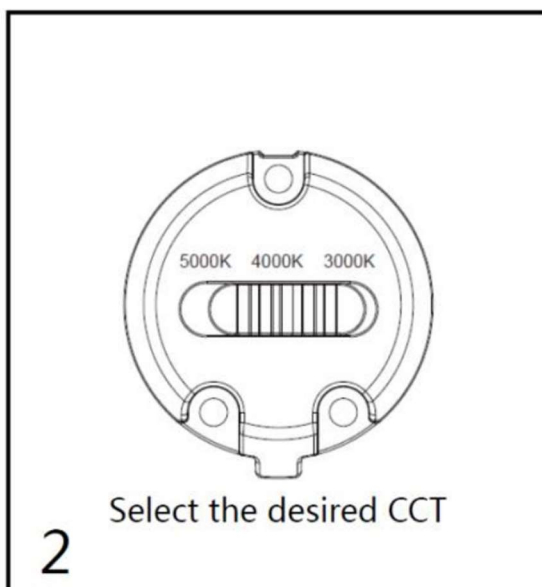
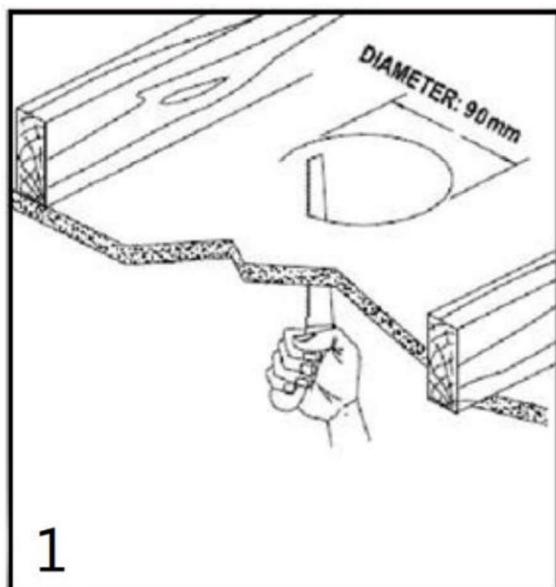
NOTE: Plug the luminaire into a socket outlet to ensure the LED downlight is working correctly before installation.

1. Cut an installation hole of Ø 90mm into the ceiling. (Fig.1)
2. Select the desired colour temperature using the switch on the back of the luminaire(Figure 2).
3. Insert the luminaire plug into the socket outlet and ensure it is fully plugged in. (Fig.3)
4. Push the springs up and install the LED downlight module into the cut-out hole. (Fig.4)
5. Ensure all the clearance values are maintained during and after installation of the LED module, LED driver, thermal insulation, loose fill insulation, loose combustible materials and any structural members.

NOTE: Please refer to the Clearance Information section and the IC-4 section in this instruction manual for further details.

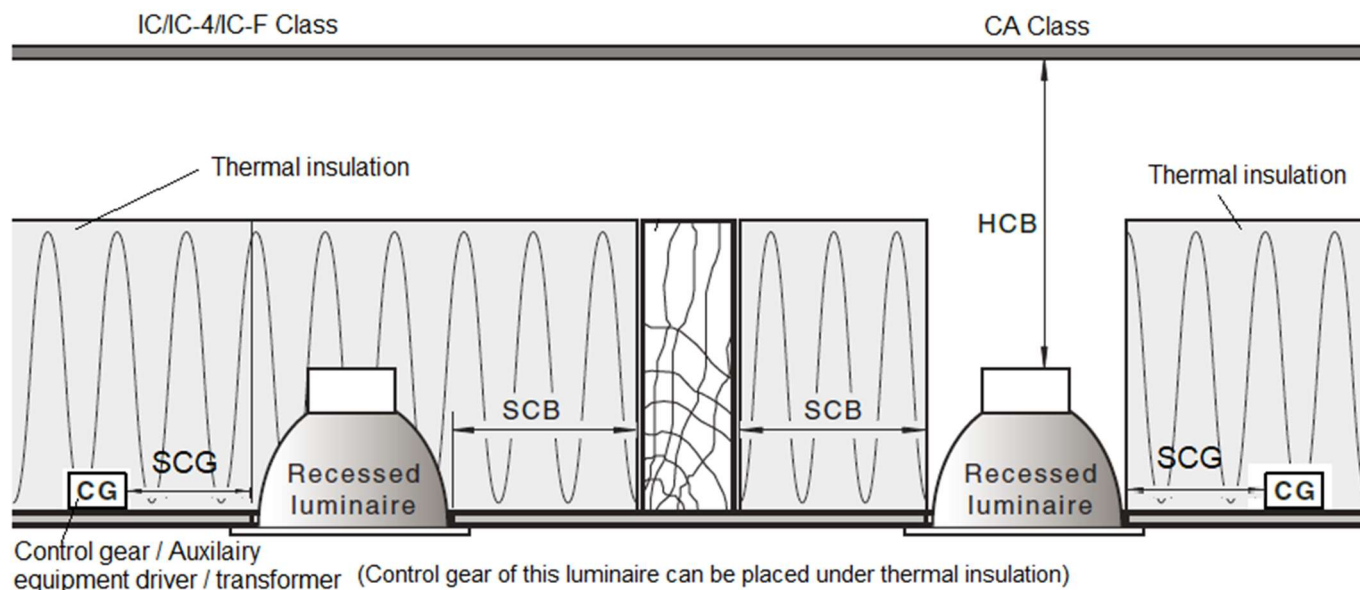
6. After the installation, switch on the luminaire to test all the lighting functions and enjoy your new lighting product.

NOTE: Low level dimming in the colour mode may result in inconsistent dimming levels.





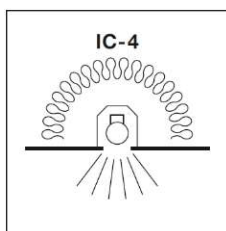
Clearance Information – AS/NZS 3000:2018 Wiring Rules Figure 4.9



LOCATION	DISTANCE	DESCRIPTION AS/NZS 60598.2.2: 2016+A1:2017 (IC-4)
HCB	0 mm	(Height clearance to building element) Clearance between the top of the recessed luminaire and any structural members, building elements or objects above it.
MIC	0 mm	(Minimum insulation clearance) Minimum distance between the top of the recessed luminaire and the building insulation above it.
SCB	0 mm	(Side clearance to building element) Minimum distance between the side of the recessed luminaire and any building element as specified in AS/NZS 3000
SCI	0 mm	(Side clearance to insulation) Minimum distance between the recessed luminaire and any building insulation.
LOCATION	DISTANCE	DESCRIPTION AS/NZS 60598.2.2: 2001/AMD A (IC-F)
HCB	0 mm	Clearance between the top of the recessed luminaire and any structural members, building elements or objects above it.
SCB	0 mm	Clearance between the side of the recessed luminaire and any structural members, building elements or objects.



IC Rating – AS/NZS 60598.2.2: 2016+A1:2017 (For Australia)



A recessed luminaire that can be abutted against normally flammable materials, including building insulation, and can be covered in normal use. Building elements, building insulation or debris have restricted access to the heated parts of the luminaire. This classification of recessed luminaire is effectively a sealed unit that has a restricted flow of air between the habitable room the luminaire emits light into and the void/space where the main body of the luminaire is located.

RISK OF FIRE – WARNING — RISK OF OVERHEATING OR FIRE IF THE CLEARANCE DISTANCES ARE COMPROMISED.

IC-F Rating –AS/NZS 60598.2.2: 2001/AMD A (For New Zealand)



1. A closed luminaire that allows building insulation to come into contact with its sides and to cover it.
2. Type IC-F recessed luminaire can be used together with building insulation that can safely be exposed continuously to temperatures up to 90°C may abut and cover the luminaire;

RISK OF FIRE – Required clearance from structural members and building elements SCB/HCB = 0 mm

PIR sensor information

PIR (PASSIVE INFRA-RED) SENSOR:

The fitting 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 are movements within the sensor range, the light will remain on.

Installation and PRI detection distance:

For best PRI sensitivity, the installation height of the downlight is 2.3 – 2.5-meter height. PRI movement sensitivity is approximately 3 meters radius of the location where the downlight is installed.

MODES & FUNCTION INFORMATION:

First-time power on (initialisation):

Turn the Downlight ON from the wall switch. The Downlight will be lit up for 30 seconds, and then automatic turns OFF and enter Auto Mode. PIR does not work during the 30 seconds first-use initialisation state.

Auto mode: The downlight switch ON the LEDs when the PIR detects movements. The LEDs light up time with a 5minutes±20s timer. The timer is reset 5minutes±20s each time the PIR sensor is triggered thereafter the first PIR detection. Example: The downlight will automatically turn OFF after 5 minutes if there is no movement detected by the PIR Sensor, from the first or last trigger.

NOTE: Auto Mode requires the approximate ambient lighting of 30lux or less for the PIR sensor to trigger.

Override mode:

Toggle OFF / ON twice from wall switch within 5 seconds to enter the 8-hour continuous light ON mode. To switch back to Auto Mode, toggle OFF/ON once.

**Safety tips**

- Always ensure the power is OFF and the luminaire has cooled down before performing any maintenance, cleaning or making any adjustment to the luminaire.
- If the external flexible cable or cord of this luminaire is damaged, it shall be exclusively replaced by the manufacturer or his service agent or a similar qualified person in order to avoid a hazard.
- The light source of this luminaire is not replaceable; when the light source reaches its end of life the whole luminaire shall be replaced.
- 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 liquids and hazards.
- Ensure that the luminaire does not come in contact with corrosive chemicals/solvents or abrasive cleaners etc.
- To clean, wipe with a soft damp clean cloth. Do NOT soak or immerse the product in water or other liquids.

Specifications

SKU #	15097L
Colour	Matt White
Rated Voltage	220-240V~ 50Hz, Max. 0.050A
Rated Wattage	8.5 W
LED Specs	LED 3000K - 4000K – 5000K, CRI ≥ 80, 700 lumens* ; Non-Dimmable *Lumen results are shown when set at 4000K; It may slightly vary at different CCT.
Weight	0.23kg
Cut-out Size	Ø90mm
IP Rating	IP44 below ceiling; IP20 inside ceiling;
Dimensions	D:104 mm x H95 mm
Recessed Luminaire Classification	IC-4 (Australia only) IC-F (New Zealand only)

GE is a trademark of General Electric Company and is under license by Light Source Solutions and Light Source Solutions New Zealand Ltd. of 140 Fulton Drive Derrimut Vic 3026 Australia.