

## IMAGE MINI LED CCT DOWNLIGHT

SKU# 178285

Rated Voltage 220-240V~ 50Hz

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 recessed luminaire is covered by a 5-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 the proof of purchase.
- The use of non-compatible dimmers may damage your recessed luminaire and will void your warranty.
- 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 the installation, check the installation location in the ceiling has access to a socket outlet which is connected to a wall light switch and dimmer. If it does not, please contact a licensed electrician to arrange installation of the socket outlet, wall light switch and dimmer before continuing.
- All wiring and installation of the recessed luminaire must adhere to latest local and national wiring rules. e.g. AS/NZS 3000 Electrical Installations. If unsure, please contact a licensed electrician.
- The front cover of the recessed downlight is rated IP44 only after it is fully installed. This must be maintained during installation. **NOTE: The recessed parts (LED module & LED driver) of the luminaire is rated IP40. This luminaire can be installed in exterior applications where a ceiling cavity protects the IP40 rated parts of this recessed luminaire.**
- 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 use or exterior use where a ceiling cavity projects the IP40 rated parts of this recessed luminaire.
  - If installing the recessed luminaire in an area prone to moisture, ensure that the area is well ventilated and an appropriately rated exhaust fan is used if required. Damage or corrosion caused by moisture is not a product fault, and as such is not covered under warranty.
- The colour shifting function is designed to operate with a mechanical or relay ON/OFF switch, as well as selected semi-conductor ON/OFF switches, such as MFL Artisan or Lucci Power Dimmers with ON/OFF functionality. Please note the colour shifting function may not operate correctly on all semi-conductor switches.
- The use of a LED dimmer is strongly recommended. Please see **Highly Recommended Dimmers** Section of the Specifications on Page 5 for a list of SKUs that have been specifically designed & tested for use with this luminaire. **NOTE:** Dimming may cause buzzing sounds or a slight flicker. There may be slight delays with the LED light start up or slight uneven light performance when more than one LED light fitting is linked together, switched ON or dimmed. This is not a product fault and as such is not covered under warranty. **NOTE:** Some dimmers have a minimum load of 20W. Ensure the dimmer position is on the maximum setting before turning on the LED light and adjust the dimmer down to your desired light level. **NOTE:** Testing cannot account for installation variables such as variation in mains supply voltage, cable capacitance, electrical noise, transients, surges and ripple control signals (commonly found in NSW & QLD). **NOTE:** The information provided is correct to the best of Beacon Lighting's knowledge at the date of publication.

- This recessed luminaire has an insulating ceiling type IC-4 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 IC-4 rating section in this instruction manual for further details.)
- The LED driver must be placed at least 10mm away from the LED downlight module to allow for cooling.
- The LED driver can be placed under the insulation. (Please refer to the Clearance Information section in this instruction manual for further details).
- The LED downlight module is only suitable for use with Lucci LED Driver model#: MD214-9W.
- If the diffuser is damaged or cracked. For your safety, discontinue use and replace the downlight, the diffuser is non-replaceable.
- 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 no components are 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 product which appears damaged in any way. Return the complete product to the place of purchase for inspection, repair or replacement.
- Type Z: the external flexible cable or cord of this luminaire cannot be replaced; if the cord is damaged, the luminaire shall be destroyed.
- Ensure power to the circuit you are working on has been switched OFF before commencing any electrical work.

## Installation Directions

1. Ensure power to the circuit you are working on has been switched OFF before commencing any electrical work.
2. Remove all packaging material from the product and be careful not to throw away accessories that may be hidden within the packaging material.

**NOTE: Before installation, plug the recessed luminaire into a socket outlet to ensure it is working correctly.**

3. Cut an installation hole of Ø 90mm into the ceiling. (Fig.2)
4. The colour temperature of this recessed luminaire can be pre-set, use the toggle switch on the luminaire body to select your desired colour temperature: 3000K or 4000K or 5000K. (Fig.3)

**NOTE: The recessed luminaire must be turned off before using the switch on the LED driver to change the colour temperature.**

5. Insert the plug into the socket outlet and ensure it is fully plugged in. (Fig.3)
6. Push the springs up and put the recessed luminaire up through the cut-out hole and into the ceiling. (Fig.4)

**NOTE: Keep the luminaire at least 10mm away from the LED driver to allow for cooling. (Fig.5)**

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

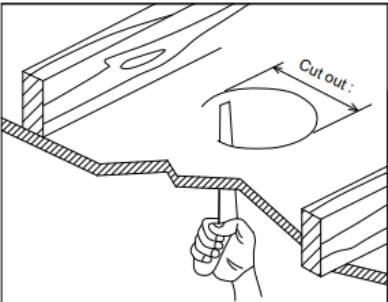
**NOTE: This luminaire is rated IC-4, building insulation and building elements may cover or abut to the top and sides of the luminaire. Please refer to the IC-4 section in this instruction manual for further details.**



Caution, risk of electric shock

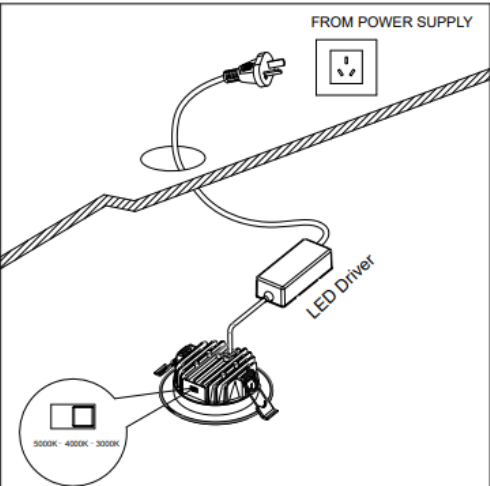
1

1. Disconnect mains supply before installation or removing cover.



Cut out:  
178285: Ø90mm hole.

2



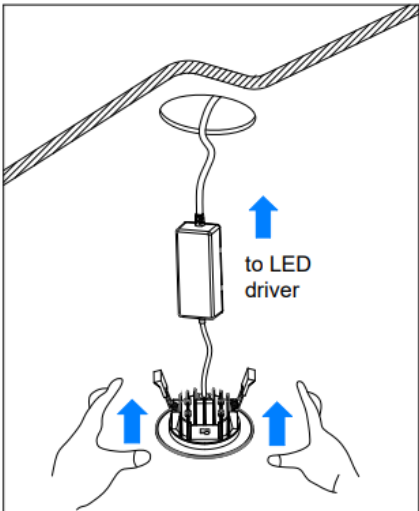
FROM POWER SUPPLY

LED Driver

5000K - 4000K - 3000K

3

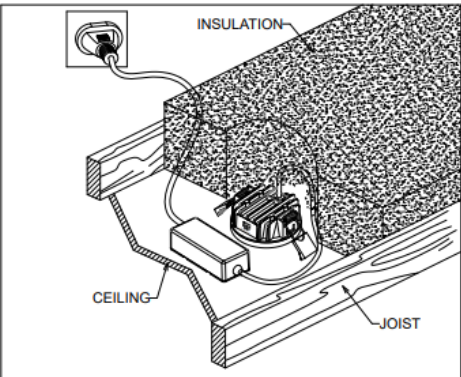
Toggle the button to select the colour temperature required. Insert plug into socket.



to LED driver

4

Push the spring up and place LED downlight in the ceiling.



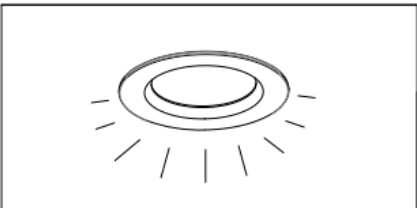
INSULATION

CEILING

JOIST

5

Release the spring and make sure the LED downlight is firmly in place.

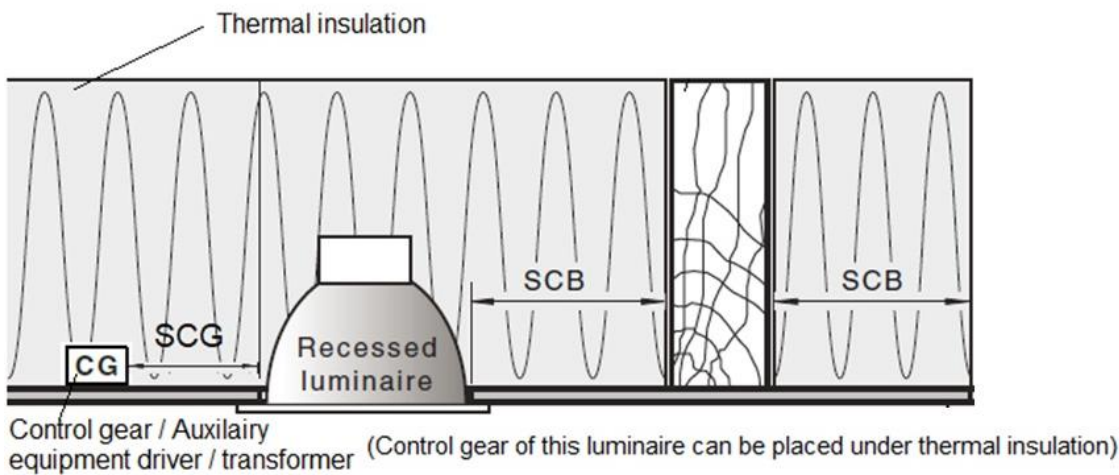




6

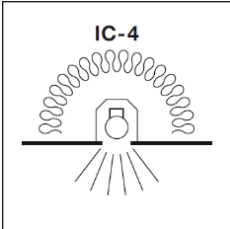
6. Reconnect mains supply.

Clearance Information – AS/NZS 3000 Wiring Rules



| LOCATION | DISTANCE | DESCRIPTION                                                                                                                                    |
|----------|----------|------------------------------------------------------------------------------------------------------------------------------------------------|
| SCG      | 10mm     | Auxiliary equipment/driver/transformer must be placed 10mm away from the luminaire. It can be placed under the thermal insulation and covered. |
| SCB      | 0mm      | Minimum distance between the side of the recessed luminaire and any building element as specified in AS/NZS 3000.                              |

IC-4 Rating – AS/NZS 60598.2.2: 2016 (Recessed Luminaire)



A recessed luminaire that can be abutted against normally flammable materials, including building insulation, and can be covered in normal use. Building elements and building insulation 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.

- A closed luminaire that allows building insulation to come into contact with its sides and to cover it.
- Type IC-4 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.
- The declared IC-4 rating is based on testing ambient temperature of 40°C.

**Building insulation and building elements may cover or abut to the top and sides of the luminaire.**

## Safety Tips

- Always ensure the power is OFF and the recessed luminaire has cooled down before performing any maintenance, cleaning or making any adjustment to the recessed luminaire.
- Type Z: the external flexible cable or cord of this luminaire cannot be replaced; if the cord is damaged, the luminaire shall be destroyed.
- If the diffuser is damaged or cracked. For your safety, discontinue use and replace the downlight, the diffuser is non-replaceable.
- The light source of this luminaire is not replaceable; when the light source reaches its end of life the whole luminaire shall be replaced. There are no serviceable parts, do not attempt to dismantle or open the product.
- To avoid injury or damage to the luminaire, ensure that power leads and screws are secure before connecting the power.
- Ensure the recessed 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 v2.0

|                                   |                                                                                                                                    |
|-----------------------------------|------------------------------------------------------------------------------------------------------------------------------------|
| SKU #                             | 178285                                                                                                                             |
| Colour                            | White                                                                                                                              |
| Rated Voltage                     | 220-240V~ 50Hz                                                                                                                     |
| Rated Wattage                     | 9W                                                                                                                                 |
| LED Specs                         | Dimmable, Colour Switching LEDs*, CRI≥90, Flicker-free                                                                             |
| Rated Lumens                      | 3000K - 650 lumens<br>4000K - 750 lumens<br>5000K - 700 lumens                                                                     |
| Highly Recommended Dimmers        | Lucci Power: SKU# 290989, 290992, 290993, 290994.<br>MFL Artisan: SKU# 197015, 197016, 197017, 197018.<br>Buster + Punch: DIM-002. |
| Compatible Dimmers                | Clipsal: 31E2PUDM, 31E2RUDM, 32E450UDM.<br>DIGINET LED Smart MEDM.<br>HPM Cat. 400T.                                               |
| Weight                            | 0.2kg                                                                                                                              |
| Cut-out Size                      | Ø 90mm                                                                                                                             |
| IP Rating                         | IP44 for the front cover of the LED downlight (after installation)<br>IP40 for the back of the LED downlight (recessed parts)      |
| Recessed Luminaire Classification | IC-4                                                                                                                               |
| Dimensions                        | H:35mm Dia:110mm                                                                                                                   |
| LED Driver Model #                | MD214-9W                                                                                                                           |

\* use the toggle switch on the luminaire body to select your desired colour temperature: 3000K or 4000K or 5000K.