

REPEAT 1.5 METRE LED LINEAR PENDANT

SKU# 020982.

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 product. Please keep instructions for future reference.

Warranty

- This luminaire is covered by a 3-year warranty. The warranty is from the date of purchase, not the date of installation.
- If the luminaire is not assembled and installed by a licensed electrician, the warranty will be void.
- Please retain the 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.
- Failure to comply with 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 required).
- This luminaire must be assembled and installed by a licensed electrician.
- All wiring and installation of the luminaire must adhere to the latest local and national wiring rules.
e.g. AS/NZS 3000 Electrical Installations.
- The luminaire is a Class I product and must be earthed during wiring and installation.
- Select a suitable location for installation:
 - This luminaire is suitable for use in indoor environments only.
 - The mounting point must support 2 times the weight of the luminaire.
 - If installing the 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 environmental exposure (including salt air, high humidity, moisture or condensation) is not a product fault, and as such is not covered under warranty.
- This luminaire is dimmable, and the use of a LED dimmer is strongly recommended. Please see the **Highly Recommended Dimmers** section of the specifications table on Page 8 for a range of dimmers 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 luminaire 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 luminaire 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 on page 7 in this instruction manual for further details.)
- This LED driver has a control gear type IC rating. Building insulation may abut and cover the LED driver. (Please refer to the Clearance Information and IC rating section on page 7 in this instruction manual for further details).
- 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, or have been damaged during transport, before assembling. Do not operate/install any luminaire which appears damaged in any way. If parts are missing or damaged, return the complete luminaire to the place of purchase for inspection, repair or replacement.

Installation Directions

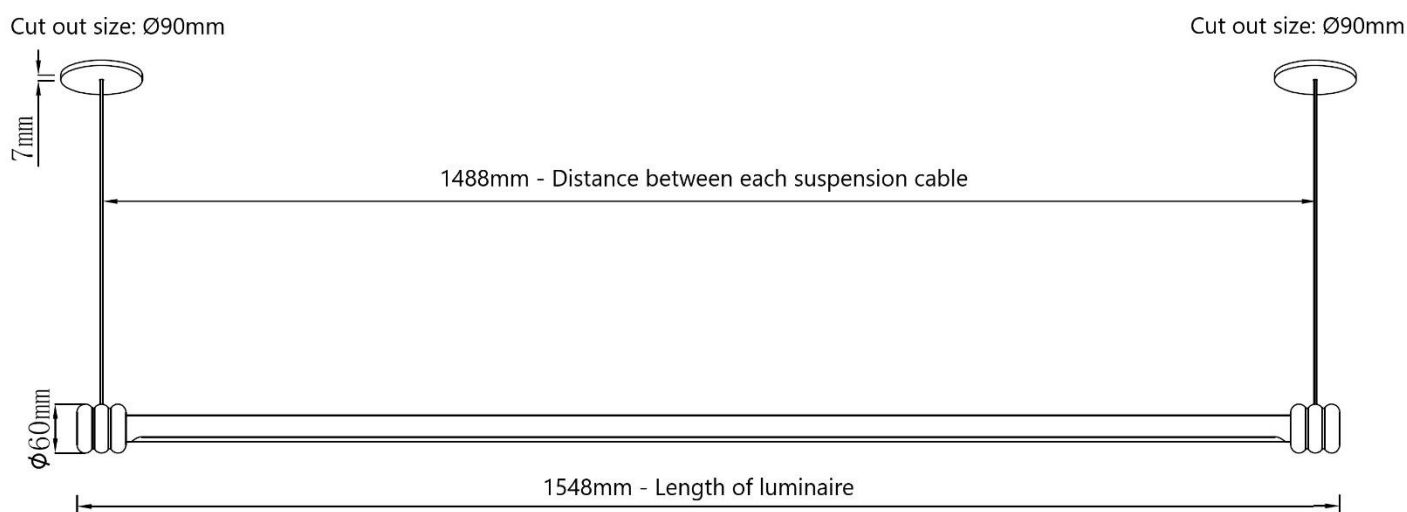
WARNING: Ensure power to the circuit you are working on has been switched OFF before commencing any electrical work.

NOTE: Due to the luminaire's size & weight, two people are required to lift it up during the installation.

1. 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.

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

2. Determine the mounting locations for each of the suspension brackets using the below measurements:

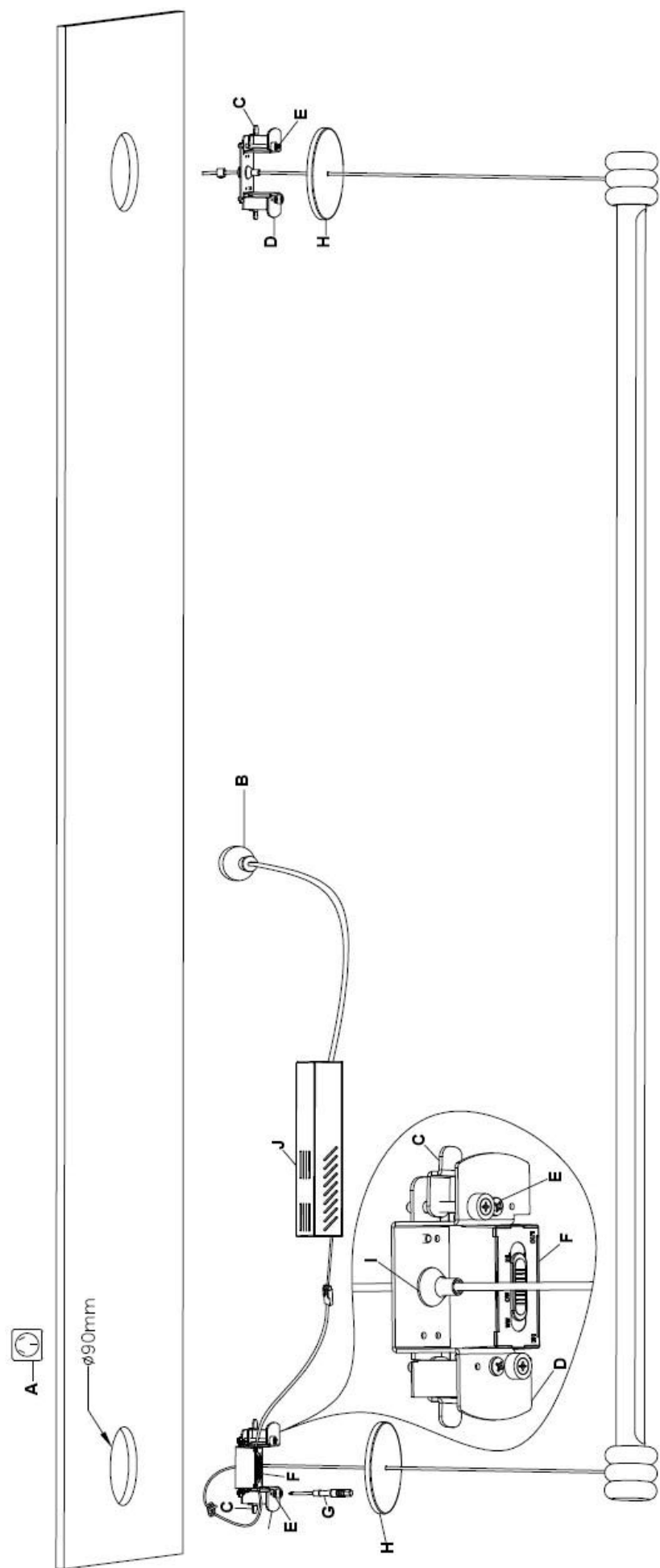


3. Cut two installation holes of Ø90mm diameter into the ceiling.
4. Remove the metal cover plates (H) from the magnets on the bottom of the mounting brackets (D).
5. The colour temperature of this luminaire can be pre-set to a desired colour temperature. Use the toggle switch (F) on the bottom of the mounting bracket (D) for the powered side of the luminaire to select your desired colour temperature ("WW" for 3000K *Warm White*, "CW" for 4000K *Cool White*, or "DL" for 5000K *Daylight*).

NOTE: The toggle switch (F) must only be operated when power to the luminaire has been switched off.

Changing toggle switch settings while the luminaire is powered may cause damage to the LED driver.

6. Feed the plug (B) and LED Driver (J) through one of the installation holes, and then insert the plug (B) into the socket outlet (A) and ensure it is fully plugged in.
7. Push the two metal mounting clips (C) to the centre of the mounting bracket (D) and carefully put the mounting bracket (D) through the cut-out hole and into the ceiling. Push the two metal mounting clips (C) out of the mounting bracket (D) to hold the mounting bracket body onto the ceiling. Use a screwdriver (G) to tighten the two screws (E) on the metal mounting clips (C) to secure the mounting bracket (D) onto the ceiling. Check and ensure the metal mounting clips (C) are clamped onto the ceiling tightly. Complete this step for both mounting brackets (D).
8. Determine the suspension length required for your luminaire at the installation location:
 - If the cord suspension needs to be reduced – The excess cord can be pushed from underneath or pulled from above and through the cord anchorage (I) of the mounting bracket (D) until the desired length has been reached.
 - If the cord suspension needs to be extended (maximum length 2000mm) – Press in and hold the middle cylinder of the cord anchorage (I) and pull the suspension cord back out from the mounting bracket (D).
 - Ensure the luminaire is sitting level by making small adjustments to the suspensions on either end.
9. Attach the metal cover plates (H) back onto the magnets on the bottom of the mounting bracket (D).
10. After the installation, switch on the luminaire to test all the lighting functions and enjoy your new lighting product.



Installation Directions for Two Luminaires

If you have purchased two units of this luminaire, you can choose from two installation methods:

Method 1: Install each of the two luminaires separately according to the above diagram (PAGE 3).

Method 2: Assemble the two luminaires by using the Joiner accessory (S - SKU: 020983 - sold separately) according to the below diagram (PAGE 6), below are the detail installation instructions:

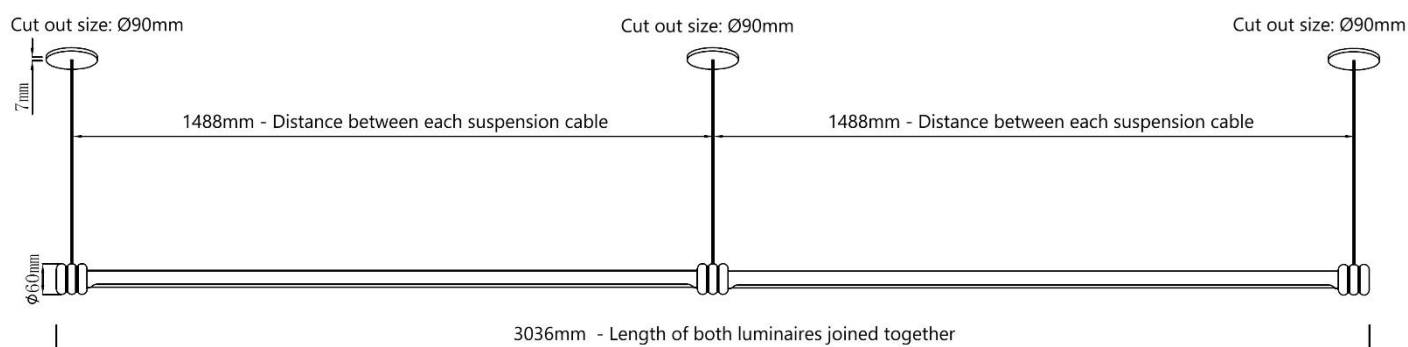
WARNING: Ensure power to the circuit you are working on has been switched OFF before commencing any electrical work.

NOTE: Due to the luminaire's size & weight, two people are required to lift it up during the installation.

1. 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.

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

2. Complete the joining of the two luminaires by following the below steps:
 - (1) loosen the grub screws (M) on the top of the non-powered side of each luminaire (N, Q) with the Allen key (L, included with the joiner accessory (S), sold separately).
 - (2) Remove the end components (O, P) from the non-powered side of each luminaire (N, Q)
 - (3) Loosen the grub screw (M) inside the end component (P) from one of the luminaires.
 - (4) Remove the non-powered suspension cable (K) from the end component (P) from one of the luminaires.
 - (5) Insert the cable buckle (R) of the non-powered suspension cable (K) into the joiner accessory (S - not included, sold separately)
 - (6) Secure the cable buckle (R) into the joiner accessory (S) by tightening the grub screw (M) inside the joiner accessory with the Allen key (L).
 - (7) Insert the joiner accessory (S) into the non-powered sides of each luminaire (N, Q)
 - (8) Secure the luminaires onto the joiner accessory (S) by tightening the grub screws (M) on the top of the non-powered side of each luminaire (N, Q) with the Allen key (L)
3. Determine the mounting locations for each of the suspension brackets using the below measurements:



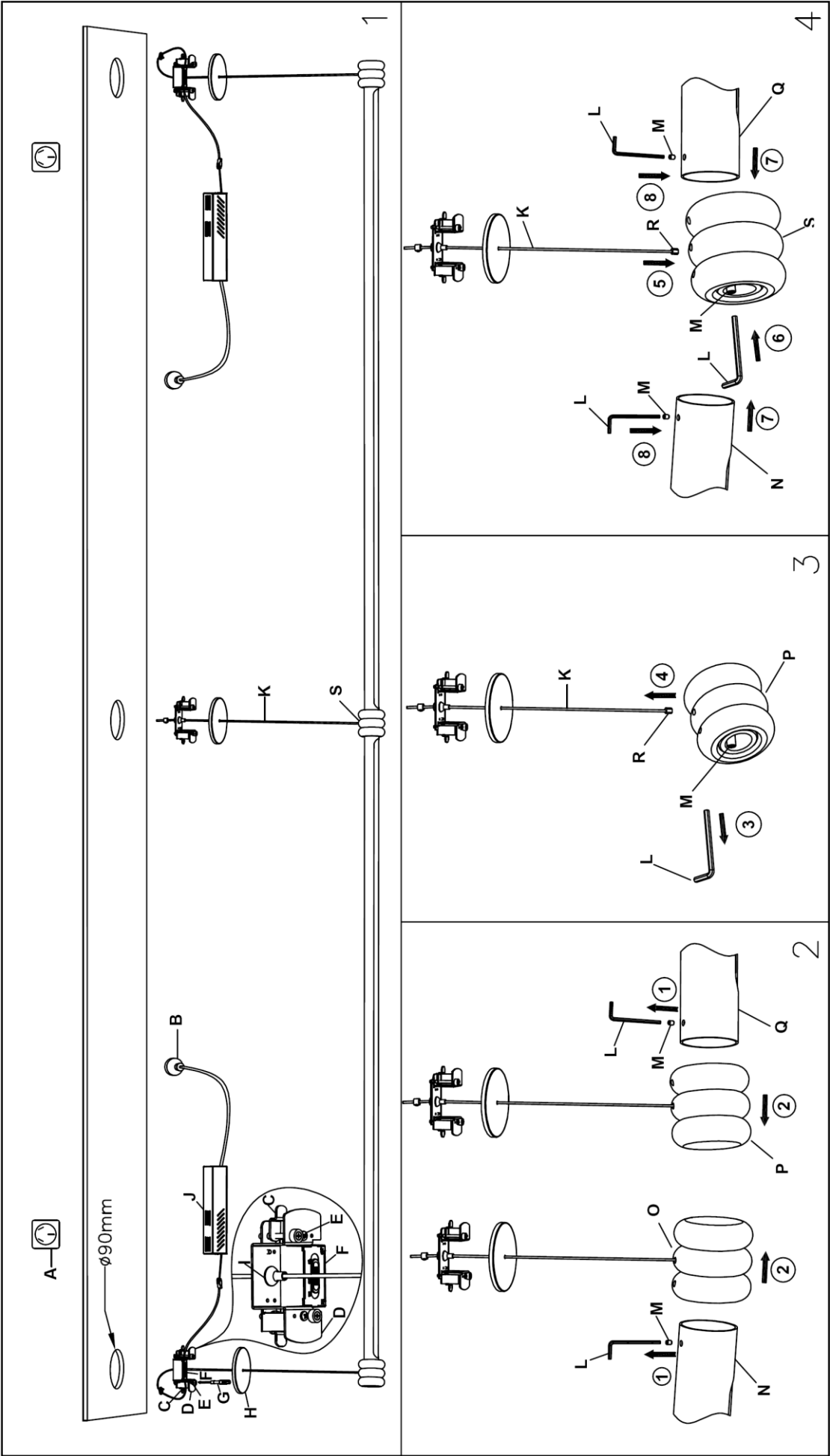
4. Cut three installation holes of Ø90mm into the ceiling.
5. Remove the metal cover plates (H) from the magnets on the bottom of the mounting brackets (D).
6. The colour temperature of the two luminaires can be pre-set to a desired colour temperature. Use the toggle switches (F) on the bottom of the mounting brackets (D) for the powered sides of the joined luminaires to select your desired colour temperature ("WW" for 3000K Warm White, "CW" for 4000K Cool White, or "DL" for 5000K Daylight).

NOTE: The two luminaires each feature a separate colour selector toggle switch (F). Please ensure they are both set to the same colour temperature setting during installation.

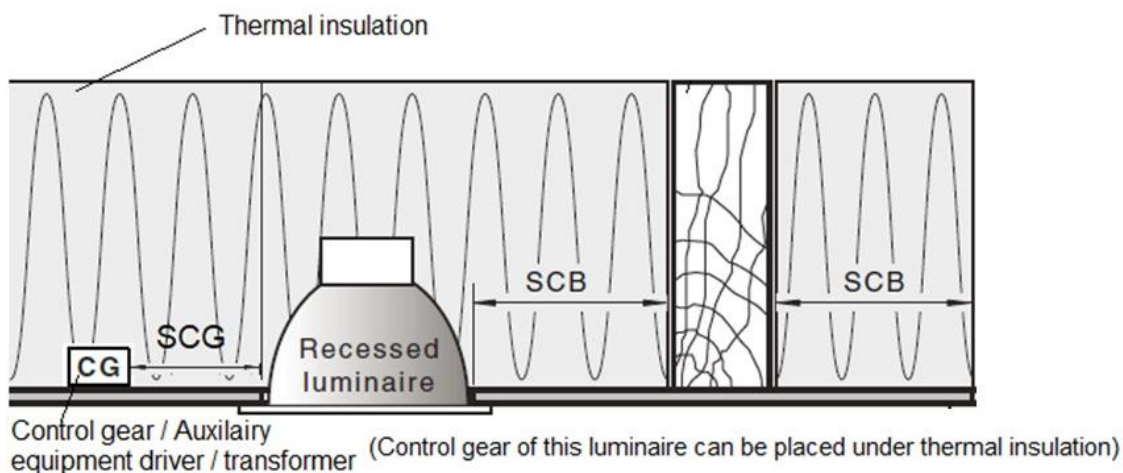
NOTE: The toggle switches (F) must only be operated when power to the luminaires has been switched off.

Changing toggle switch settings while the luminaire is powered may cause damage to the LED driver.

7. Feed the plug (B) and LED Driver (J) for each of the luminaires through the outside installation holes from Step 4, then insert the plugs (B) into the socket outlets (A) and ensure they are fully plugged in.
8. Push the two metal mounting clips (C) to the centre of the mounting brackets (D) and carefully put the mounting brackets (D) through the cut-out holes and into the ceiling. Push the two metal mounting clips (C) out of the mounting brackets (D) to hold the mounting bracket body onto the ceiling. Use a screwdriver (G) to tighten the two screws (E) on the metal mounting clips (C) to secure the mounting brackets (D) onto the ceiling. Check and ensure the metal mounting clips (C) are clamped onto the ceiling tightly.
9. Determine the suspension length required for your luminaire at the installation location:
 - If the cord suspension needs to be reduced – The excess cord can be pushed from underneath or pulled from above and through the cord anchorage (I) of the mounting bracket (D) until the desired length has been reached.
 - If the cord suspension needs to be extended (maximum length 2000mm) – Press in and hold the middle cylinder of the cord anchorage (I) and pull the suspension cord back out from the mounting bracket (D).
 - Ensure the luminaires are sitting level by making small adjustments to all three suspensions.
10. Attach the metal cover plates (H) onto the magnets on the bottom of the mounting brackets (D).
11. After the installation, switch on the luminaire to test all the lighting functions and enjoy your new lighting product.

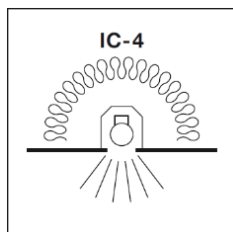


Clearance Information – AS/NZS 3000 Wiring Rules



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 25°C.

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

IC Classification – AS/NZS 61347.1:2016 + A1:2018 (Control Gear)

An independent control gear 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 control gear.

Building insulation and building elements may cover or abut to the top and sides of the control gear.

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.
- To avoid injury or damage to the luminaire, ensure that power leads and screws are secure before connecting power.
- Select a suitable location away from liquids and hazards.
- To clean, wipe with a soft damp cloth. Do NOT soak or immerse the luminaire in water or other liquids.
- Ensure that the luminaire does not come in contact with corrosive chemicals/solvents or abrasive cleaners etc.
- If the external flexible cable or cord of this luminaire is damaged, it shall be exclusively replaced by the manufacturer, their service agent or a similar qualified person in order to avoid a hazard.
- The light source contained in 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 luminaire.
- The LED Driver (J) contained in this luminaire is replaceable, and shall only be replaced by the manufacturer, their service agent or a similarly qualified person, such as a licenced electrician.
- To avoid injury or damage to the luminaire, ensure that power leads and screws are secure before connecting.

Specifications

SKU #	020982
Rated Voltage	220-240V~ 50Hz
Rated Wattage	40W Max.
Recessed Luminaire Classification	IC-4
Control Gear Classification	IC
LED Driver	CA-040-040A1D-1000-IC (Flicker Free) (SKU# P020006)
LED Specs	Dimmable, Colour Switching* (3000K-4000K-5000K) LEDs, CRI ≥ 90,
Rated Lumens	3000K Warm White – 2500 lumens 4000K Cool White – 2800 lumens 5000K Daylight – 2800 lumens
Highly Recommended Dimmers	All Lucci , MFL and Buster + Punch Dimmers
Compatible Dimmers	Clipsal 31E2PUDM, 42E350RUD2M-VW, 32E450UDM. DIGINET LED Smart MEDM, HPM Cat. 400T. DETA:6032B series 2 Zimi Powermesh PMPUSWV1G
Weight	2.5kg
Cut-out Size	Ø 90mm
Canopy Dimensions	H:50mm Dia:105mm (Overall dimensions) H:7mm Dia:105mm (Exposed dimensions)
Luminaire Dimensions	L:1540mm W:60mm H:60mm Susp:2000mm MAX

***NOTE:** See installation directions on Pages 2 and/or 4 for how to operate the colour switching functions correctly.