

TITAN RECESSED SPOT LIGHT

SKU# 177010, 177011

Rated Voltage 220-240V~ 50Hz

Thank you for purchasing this quality MFL 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 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 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.
- 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.
 - Ensure the recessed luminaire is not installed in direct line of an air vent/system.
 - If installing a 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.
- This recessed luminaire is dimmable and was tested with the dimmers listed in the specification table at the date of publication.
- This recessed luminaire is dimmable and has been tested at the date of publication with the dimmers listed in the specification section.
- The use of a LED dimmer such as the Lucci LEDlux SKU# 290997 or Lucci Connect SKU# 299043, Lucci Power SKU# 290989, 290992, 290993, 290994 or MFL Artisan SKU# 197015, 197016, 197017, 197018 or Buster + Punch DIM-002, dimmer is highly recommended.

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 Clearance Information section and the IC-4 rating section in this instruction manual for further details.)

- If loose fill insulation or thermal insulation is not fixed into position or if there are loose combustible materials (e.g. leaves or combustible materials stored in the roof space), a barrier or guard is required as per the Clearance Information section in this instruction manual.
- The LED driver must be placed at least 100mm away from the LED 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 module is only suitable for use with MFL Driver model#: SK810-B-13300CN
- The recessed luminaire must not be used if the diffuser has been cracked or damaged.
- 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 fitting 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

1. 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 the installation, plug the downlight into a socket outlet to ensure it is working correctly.

2. Cut an installation hole of Ø 80mm into the ceiling. (Fig. 1)
3. Insert the downlight plug into the socket outlet and ensure it is fully plugged in. Press the springs in towards the lamp body and put the LED module up through the cut-out hole and into the ceiling. (Fig. 2)
4. 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. Keep the LED driver 20mm away from the recessed luminaire to allow for cooling.

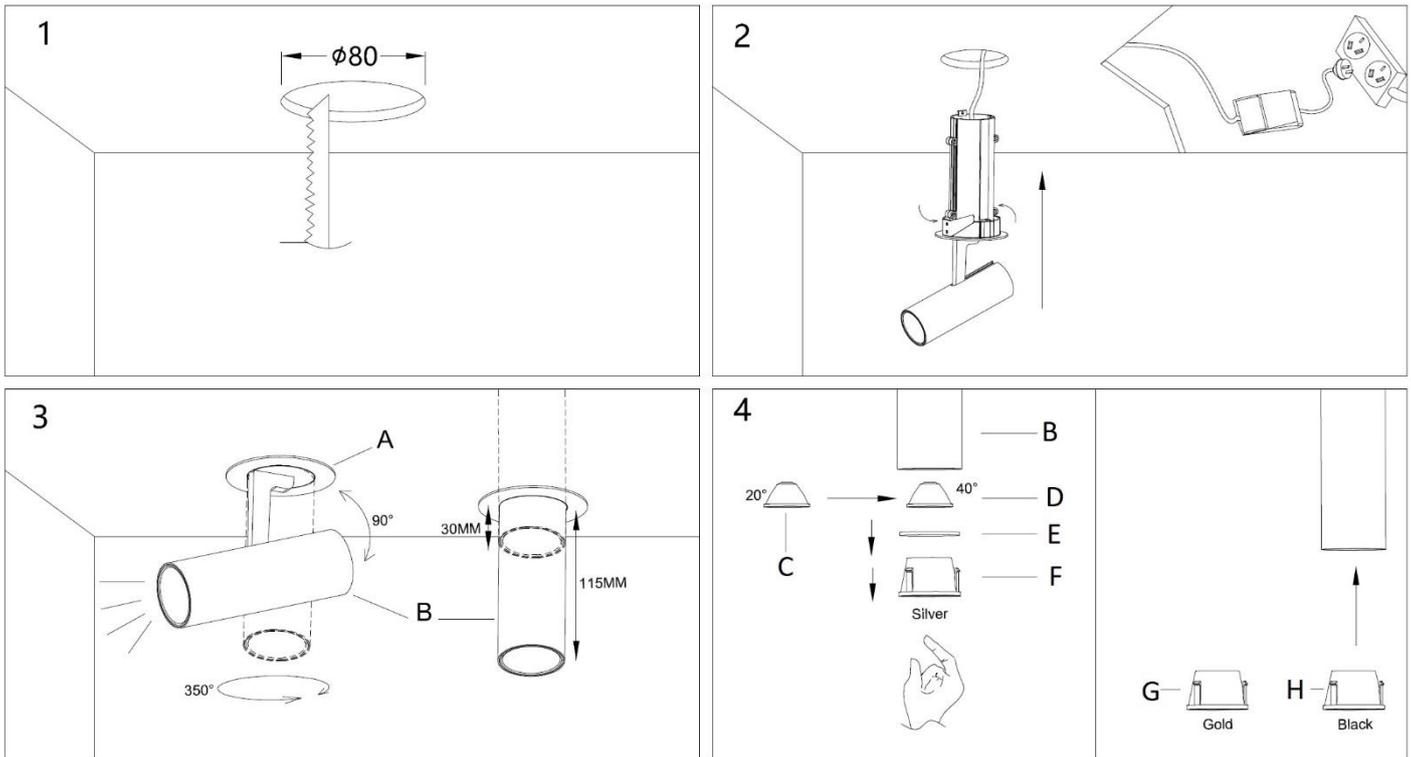
5. Hold/press the frame (A) to pull the lamp body (B) out from the frame. Rotate and tilt the lamp body to your preferred lighting angle. Do not adjust more than 90°, as this may damage the joint or the internal wires. (Fig. 3)
6. After the installation, switch on the recessed luminaire and enjoy your new lighting product.

CHANGING THE BEAM ANGLE (20° / 40°) OR THE INNER CYLINDER COLOUR (Gold / Silver / Black) – (Fig. 4)

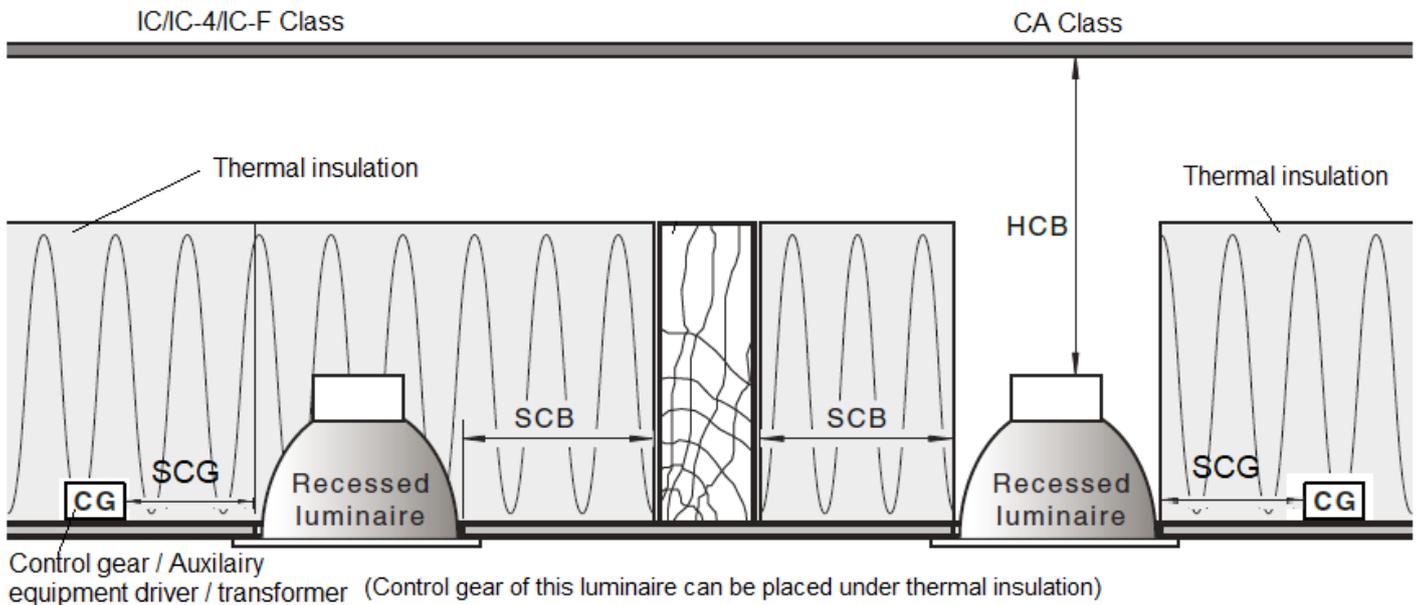
1. To change the beam angle, the reflector (C or D) will need to be removed and replaced.
2. Pull out the inner cylinder (B) out from the recessed luminaire (A).
3. Pull and remove the shade (F or G or H).

NOTE: When removing the shade, the lens (E) is not attached and will fall out and can break or shatter.

4. Pull and remove the reflector (C or D) from the inner cylinder (B).
5. Install the new reflector (C or D), lens (E), and install your preferred colour inner cylinder (F or G or H).

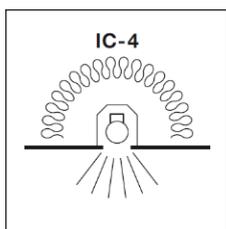


Clearance Information – AS/NZS 3000:2018 Wiring Rules - Figure 4.9



LOCATION	DISTANCE	DESCRIPTION
HCB	50mm (Minimum)	Clearance between the top of the recessed luminaire and any structural members, building elements or objects above it.
SCB	50mm (Minimum)	Clearance between the side of the recessed luminaire and any structural members, building elements or objects.
SCI	0 mm (Abutted)	Insulation can be abutted against the side of recessed luminaire and covered as per IC-4 Rating. See IC-4 Rating section for more details.
SCG	20mm	Auxiliary equipment/driver/transformer must be placed 20mm away from the luminaire. It can be placed under the thermal insulation and covered.

IC Rating – AS/NZS 60598.2.2: 2016



1. A closed luminaire that allows building insulation to come into contact with its sides and to cover it.
2. 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;
3. The declared IC-4 rating is based on the default testing ambient temperatures 25°C according to the standard.

RISK OF FIRE – Required clearance from structural members and building elements

HCB = 50 mm SCB = 50 mm SCI = 0mm SCG = 20mm

Troubleshooting

PROBLEM	POSSIBLE CAUSE	SUGGESTED SOLUTION
Does not work. (New installation)	Wiring loose or no power to the fitting.	Check your circuit breaker/safety switch box and turn on power to your circuit.
		Unplug the fitting and test in a functional socket outlet with power. If the fitting does not switch on then contact your nearest Beacon Lighting store. If the fitting is working, have your licensed electrician check the wiring or socket outlet to the fitting.
Does not work. (Existing installation)	No power to the fitting.	Check your circuit breaker/safety switch box and turn on power to your circuit.
		Contact your nearest Beacon Lighting store.
Flickers when dimming. (New installation)	Non-compatible dimmer used.	Check the dimmer used. Ensure the dimmer used is on the list of compatible dimmers in this manual.
	Some dimmers have a variable loading adjustment function. eg. Lucci LEDlux SKU# 290998 dimmer. This may not have been adjusted during the installation of the dimmer.	The variable resistor needs to be adjusted to suit the fitting load to reduce the flickering.
Flickers when dimming. (Existing installation)	Dimmer position on low.	Ensure the dimmer position is on the maximum setting before turning on the fitting and adjust the dimmer down to your desired light level.
Buzzing sound.	Non-compatible dimmer used.	Check the dimmer used. Ensure the dimmer used is on the list of compatible dimmers in this manual.
Uneven light start up.	Dimmer position on low when switched on.	Ensure the dimmer position is on the maximum setting before turning on the fitting and adjust the dimmer down to your desired light level.

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.
- The recessed luminaire must not be used if the diffuser/protective shield has been cracked or damaged.
- The external flexible cable or cord of this recessed luminaire cannot be replaced; if the cable or cord is damaged, the recessed luminaire shall be destroyed.
- The light source of this recessed luminaire is not replaceable; when the light source reaches its end of life the whole recessed 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 recessed luminaire, ensure that power leads and screws are secure before connecting the power.
- Select a suitable location away from liquids and hazards.
- To clean, wipe with a soft damp clean cloth. Do NOT soak or immerse the product in water or other liquids.
- Ensure the recessed luminaire does not come in contact with corrosive chemicals/solvents or abrasive cleaners etc.\

Specifications

SKU #	177010	177011
Colour	White	Black
Rated Voltage	220-240V~ 50Hz,	
Rated Wattage	13W	
LED Specs	CREE LED, 3000K Warm White, 750 lumens, CRI≥80	
Highly Recommended Dimmers	Lucci Power SKU# 290989, 290992, 290993, 290994 MFL Artisan SKU# 197015, 197016, 197017, 197018 Lucci LEDlux SKU# 290997, Lucci Connect SKU# 299043, BUSTER + PUNCH: DIM-002	
Compatible Dimmers	LUMEX Load Smart LT1D450LS; DIGNET LED Smart :MEDM; Clipsal : 31E2PUDM, 31E2RUDM, 32E450TM, 32E450UDM, 32ELEDM, PDL354RDMLED-VW HPM: Cat. 400T;	
Weight	0.7kg	
Cut-out Size	Ø80mm	
IP Rating	IP20	
Dimensions	H:295mm Max. W:145mm Max.	
Driver Model #	SK810-B-13300CN	