

## LED DOWNLIGHT INSTALLATION

### IMPORTANT:

- Read these instructions before commencing installation. Retain for future reference.
- This product is suitable for indoor use only.
- Insulation material as noted below can abut, but not cover this downlight.
- This product is suitable for use with building insulation that can safely be continually exposed to temperatures up to 90°C and withstand a 30s needle flame test carried out in accordance with AS/NZS 60695.11.5 with a flame applied to all surfaces of the sample. Glass fibre insulation is a suitable insulation to be abutted to this luminaire.
- Loose fill insulation as defined in NZS 4246 is not permitted to abut or cover this downlight.

### **ALWAYS: ISOLATE (TURN OFF) MAINS SUPPLY BEFORE CONNECTING THE LED DRIVER**

### CAUTION:

- Mains Voltage LED Driver: 230VAC, 50Hz.
- Ensure the mains electricity supply is switched off before commencing installation. If in doubt regarding these instructions, consult a qualified electrician.
- Ensure the LED Driver is NEVER powered without the Downlight connected. Failure to do so may cause permanent damage to the Downlight.
- Recessed luminaires and their auxiliary equipment may pose a risk of fire or damage to property if not installed and maintained correctly.
- If you have any doubts about your ability to conduct the wiring work safely or about the method of installing light fittings, please employ a licensed electrical worker to carry out the installation for you. Failure to wire correctly may result in electrical shock injury or a fatality.

### TECHNICAL DATA:

	LED-DL0960WW	LED-DL12120WW	LED-DL15120WW	LED-DLG16WW
Hole Cut-out	75mm (72-80mm)	100mm (92-102mm)	100mm (92-102mm)	120mm (115-125mm)
Working Voltage	230VAC, 50Hz	230VAC, 50Hz	230VAC, 50Hz	230VAC, 50Hz
Power (Current)	9W (0.04A)	12W (0.05A)	15W (0.06A)	16W (0.07A)
Power Factor	> 0.9	> 0.9	> 0.9	> 0.9
Working Temperature	0 - 60°C	0 - 60°C	0 - 60°C	0 - 60°C

## INSTALLATION:

1. Cut a hole in the ceiling with a preferred diameter according to the technical data table.
2. Connect the LED driver to an enclosed terminal block if required (not supplied).
3. Connect mains supply to the terminal block or driver (N, Neutral, Blue), (L, Live, Brown). (No EARTH required. If EARTH wire is present, ensure it is fully insulated).
4. Connect the LED downlight to the LED driver via the supplied connector (if required).
5. Swing both retaining clips upwards and insert into the cut-out in the ceiling. Ensure no leads are trapped.
6. Push the downlight upwards to 'snap' firmly in position (see diagram).
7. Restore mains power.

## DRIVER LOCATION:

- The LED Driver **must** be installed above the building insulation material.
- The LED Driver must be a minimum of 50mm away from any part of the luminaire at all times.
- We recommend locating the LED Driver on the nearest joist, beam or ceiling batten above the level of the building insulation.

## CLASSIFICATION:



Luminaire Classification: **CA 80**

(C = Closed, A = Abutted Insulation)

**RISK OF FIRE** Building insulation must not cover this luminaire

MIC = 20 mm, SCB = 20 mm, HCB = 50 mm

- **MIC** - Minimum insulation clearance from insulation to building element above
- **SCB** - Minimum side clearance to building element
- **HCB** - Minimum clearance to building element from top of luminaire to building element above

