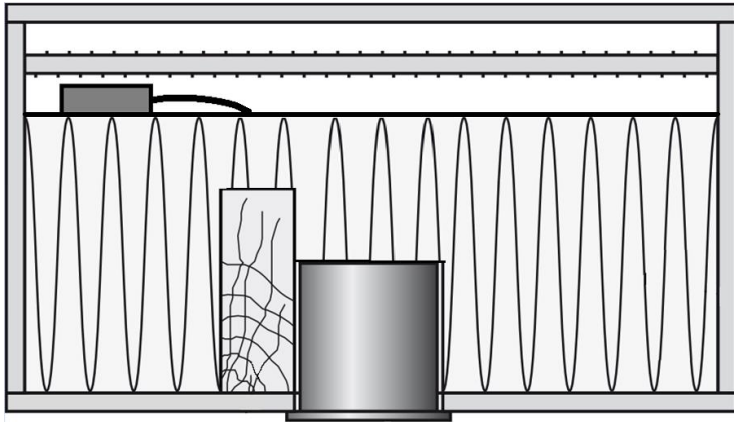


INSTALLATION INSTRUCTIONS:

BUILDING ELEMENT CLEARANCES FOR RECESSED LUMINAIRES



- ** Minimum insulation clearance (**MIC**) – from insulation to building element above
- ** Side clearance to building element (**SCB**) = 0mm
- ** Height clearance to building element (**HCB**) = 0mm from top of luminaire to building element above

Downlights can be installed in timber ceilings and come into contact with normally flammable Building Material. (ie material having ignition temperature of at least 200deg).

CAUTION:

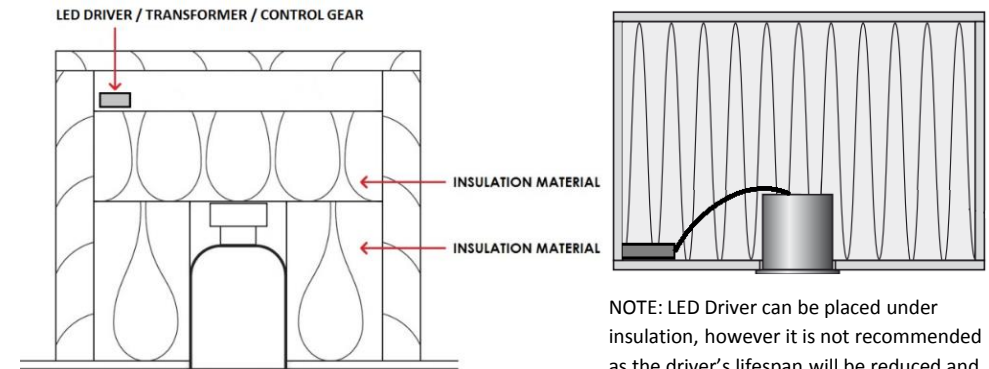
Recessed luminaires and their auxiliary equipment may pose a risk of fire or damage to property if not installed and maintained correctly.

SAFETY NOTICE

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 incorrectly may result in electric shock injury or a fatality to yourself or a member of your family.

INSTALLATION LOCATION:

- This type of IC-F recessed luminaire can be abutted and covered with thermal building insulation with a minimum temperature rating of 90°C.
- LED Driver must be a minimum of 50mm away from any part of the luminaire at all times, as noted in the diagram below.
- We recommend mounting the LED Driver on the nearest joist, beam, rafter or ceiling batten above the level of the building insulation.



LED DRIVER INSTALLATION:

CAUTION:

ISOLATE (TURN OFF) MAINS SUPPLY BEFORE CONNECTING THE LED DRIVER.

1. Locate the LED Driver in a well ventilated area, free from any insulating material and as far away from the downlight as possible. Failure to do so may cause the LED Driver to overheat.
2. Do not lead the mains wiring along the side of the LED Driver.
3. Connect the power cable from the mains (2 x), into the 220V-240V input terminals (N, Neutral, Blue), (L, Live, Brown) on the LED Driver. Alternatively, the driver has been supplied with pre-wired double insulated cables for your convenience, please ensure that any connection made complies with New Zealand Electrical Wiring rules AS/NZS 3000.
4. Ensure that all connections to both input and output leads are secure.
5. Do not swap the LED Driver for any other model, it is specific to the integrated LED downlight as supplied.



DLED10WD
LED DOWNLIGHT
(Dimmable)



INSTALLATION INSTRUCTIONS:



DLED10WD
LED DOWNLIGHT
(Dimmable)



INSTALLATION INSTRUCTIONS:

DOWNLIGHT SUITABILITY GUIDE FOR COMMERCIAL OR RESIDENTIAL INSTALLATIONS:

CLASS	DESCRIPTION	RESIDENTIAL	COMMERCIAL
	Closed recessed luminaire that allows building insulation (as specified by the downlight manufacturer) to come into contact with it's sides. Insulation material can safely be continually exposed to temperatures up to 150C.	YES	YES
	Closed recessed luminaire that allows building insulation (as specified by the downlight manufacturer) to come into contact with it's sides. Insulation material can safely be continually exposed to temperatures up to 90C.	YES	YES
	Closed recessed luminaire that allows building insulation (as specified by the downlight manufacturer) to abut and cover it. Insulation material can safely be continually exposed to temperatures up to 90C.	YES	YES
	Closed recessed luminaire that allows building insulation to abut and cover it. Insulation material can safely be continually exposed to temperatures up to 90C.	YES	YES
	Recessed luminaire where building insulation material must not cover or come into contact with any part of the luminaire.	NO	YES

****NOTE: The above guide covers all classes of downlights, refer to the specific class rating for this model on page one.**

This data sheet contains information necessary to ensure compliance with the New Zealand Electrical Wiring rules AS/NZS 3000, Amt A and Reg. 118A (1) and 118A (6) and the recessed luminaire standards AS/NZS 60598.2.2:2001 +A

DIMMING:

This LED down light can be used in conjunction with Universal, Trailing and Leading Dimmers It is the installers responsibility to ensure that the dimmer selected is compatible with the characteristics of the lamp.

We recommend the following Brands and models:

Goldair - GDM1, GDSV1

PDL - 654MWH

Clipsal - 32E450TM, 32E450LM, 32E450UDM

HPM – EM400TR, CAT 400L, CAT EM400ASP



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BEFORE STARTING PLEASE NOTE THE FOLLOWING:

- *This product is intended to be fully covered by insulation material.*
- *Insulation material as noted below can abut and cover this luminaire.*
- *This product is suitable for use with building insulation that can safely be continually exposed to temperatures up to 90°C and must withstand a 30 s needle flame test carried out in accordance with AS/NZS 60695.11.5 with the flame applied to all surfaces of the sample. Glass fibre insulation is a suitable insulation for use abutting and covering this luminaire.*
- *Loose fill insulation as defined in NZS 4246 is not permitted to abut or cover this luminaire.*
- *This product is intended for indoor use.*

LUMINAIRE SPECIFICATION:

Model.....DLED10WD, DLED10BD

Rating.....IC-F

Input Voltage.....220 ~ 240 Volts 50Hz

Installation Hole Diameter..... Not less than 75mm
(refer fascia size for maximum coverage for retrofit installations)

LUMINAIRE INSTALLATION:

CAUTION

ISOLATE (TURN OFF) MAINS SUPPLY BEFORE CONNECTING THE DOWNLIGHT.

1. Cut a hole 75mm in diameter into the ceiling (It is prohibited to cut or Notch Joists, Beams, rafters and Ceiling Battens).
2. Connect the power cable from the mains (2 x), into the 220V-240V input terminals (N, Neutral, Blue), (L, Live, Brown) on the LED Driver. Alternatively, the driver has been supplied with pre-wired double insulated cables for your convenience, please ensure that any connection made complies with New Zealand Electrical Wiring rules AS/NZS 3000.
3. Lift up springs, hold back and insert luminaire.
4. Ensure that any existing insulation material is in accordance with the specifications above.