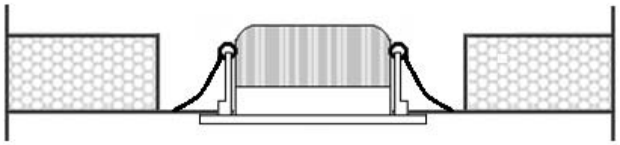
Versiclad STRUCTURAL INSULATED PANELS

May 2015

LED Downlight

Ceilink: Suggested Fitting Method

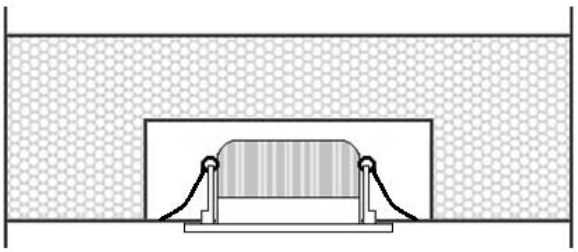


Contact a licensed electrician for any electrical work. Downlights can be fitted if the gap between the roof skin and the panel meets the lights requirements and safety guidelines.

Ceilink panel preparation

1. Allow approximately 50mm above Ceilink panel for fitting light and transformer
2. Drill 90mm diameter hole in panel using a hole saw or jigsaw with a metal blade. For ease of installation, you may wish to drill these holes before installing the panels
3. For a good flush fitting, carve out 2 small sections of EPS (foam) as illustrated so that the spring clips fit flush against the inside face of the steel ceiling skin

Insulated Roof Panels: Suggested Fitting Method



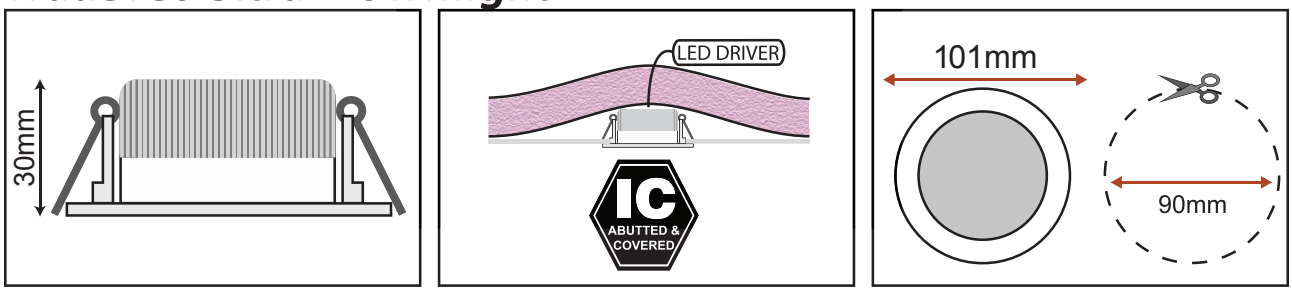
Contact a licensed electrician for any electrical work. Conduits and low voltage cables can be run through the wiring ducts provided in the roof panels. Versiclad recommends locating any transformers remotely to allow for heat release.

Roof panel preparation

1. Locate the lights close to wiring ducts to make wiring easier
2. Drill 90mm diameter hole in panel to depth of approximately 45mm. Extra care is to be taken when installing the downlights in 50mm-65mm panels.
3. For a good flush fitting, carve out 2 small sections of EPS (foam) as illustrated so that the spring clips fit flush against the inside face of the steel ceiling skin.

PLEASE READ THESE INSTRUCTIONS CAREFULLY BEFORE INSTALLATION.
PLEASE RETAIN INSTRUCTIONS FOR FUTURE REFERENCE.

TradeTec Ultra Downlight



PRODUCT FEATURES

- 3 year replacement warranty
- Die cast aluminium frame
- Dimmable to 10%
- Polycarbonate lens
- Input power 13W
- 35,000 hour average lamp life

INSTALLATION

- This unit MUST be installed and wired by a qualified electrical contractor
- For maximum number per circuit breaker, use the recommended quantities as for a standard mains 50w lamp (or 100w R80)
- Ensure that the area that the unit is to be fitted has a minimum height clearance of 50mm
- Cut a suitable hole in the ceiling for each unit ensuring no positions are under joists, cables, pipes etc.
- Disconnect mains supply prior to wiring

PRODUCT	HOLE SIZE
TLUDXXX	90mm

- Terminate cables at primary side of driver ensuring cable clamp is in place
- Feed springs through ceiling hole slowly releasing unit up to the ceiling and the springs will hold fitting in place
- Fixture control gear/driver **MUST BE MOUNTED ABOVE** any insulation covering the luminaire
- For indoor use Ta = 25^{O}C

FOR AUSTRALIAN USE ONLY

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

SCB = 25mm HCB = 50mm
SCI = 25mm MIC = 25mm

FOR NEW ZEALAND USE ONLY

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

SCB = 0mm HCB = 50mm
MIC = 25mm

INSULATION

13W

- Thermal insulation clearance class– IC covered; meaning that the Arte LED down light can be covered entirely by insulation
- Building insulation abutting or is within 100mm horizontally of the luminaire must meet the following requirements: Be of a type that can maintain its dimensions and structural integrity when exposed to a maximum surface temperature of the class of the luminaire, being 90^{O}C; Be of a type that can withstand a 30 second needle flame test carried out in accordance with AS/NZS 60695.11.5 with a flame applied to all surfaces of the sample.
- Insulation types which should be used with this fitting are glass wool (Pink Batts) & polyester

IMPORTANT NOTE:
THIS FIXTURE MUST NOT BE INSTALLED WITH LOOSE FILL INSULATION (AS DEFINED IN NZS 4246) SUCH AS MACERATED PAPER AND WOOL.

FIXTURE CONTROL GEAR/DRIVER MUST BE MOUNTED ABOVE ANY INSULATION COVERING THE FIXTURE.

DIMMING

The Ultra down light can be dimmed to 10%.

Martec LED down lights are compatible and supported with the Martec MTD300VA dimmer.

All other dimmers may work, but are not suppoted by Martec.

COMPLIANCE

The Arte range has been tested to comply with relevant Australian/ New Zealand 3001:2007 standards.

- ELECTRICAL SAFETY: Test Report 5986 Spectrum Laboratories
- AS/NZS 6058.2.2:2001 including Amdt A “Recessed Luminaires”
- EMC EN 55015:2006
- CISPR15:2006 Supplier Code No N120
- SAA 130046

SCB: Side clearance to building elements; **HCB:** Height clearance to building elements; **SCI:** Side clearance to building insulation (non-IC only);
MIC: Minimum clearance above building insulation for ventilation