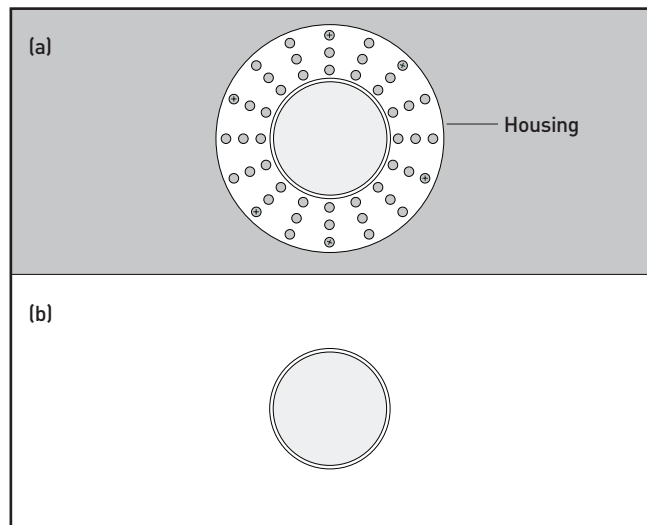


H5 500 TRIMLESS

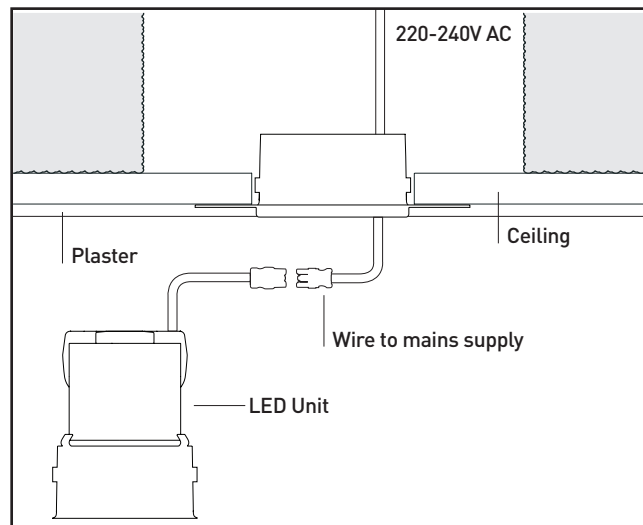
Installation instructions

HALERS
RANGE

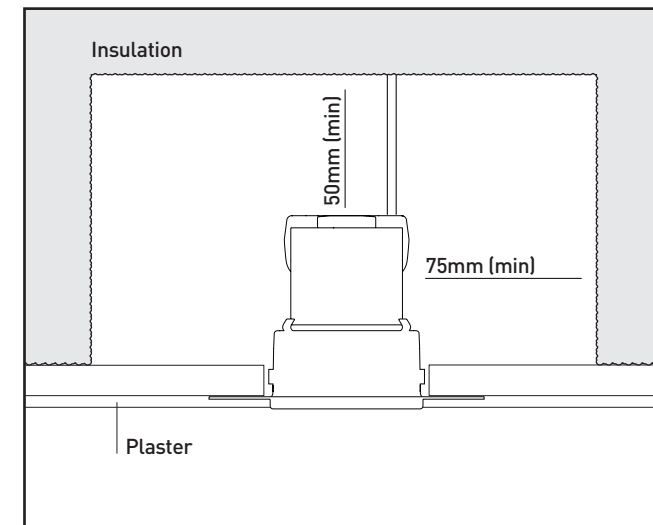
1. (a) Install housing (b) Plaster ceiling



2. Install LED unit



3. Allow adequate room



Installation data

- This unit must be wired by a qualified electrician or suitably competent person.
- (i) If dimming, connect the live mains supply via a suitable dimming controller.
- (ii) If dimming is not required, connect the mains live supply via a suitable switch.
- Collingwood Lighting advises the following maximum loads to assist functionality of the dimming driver when used with standard mains wall dimmers:
 - 5 x units on a 250W dimmer
 - 10 x units on a 400W dimmer
 - 15 x units on a 1000W dimmer
- For maximum number per circuit breaker, use the recommended quantities as for a standard mains 50W halogen lamp.
- The above figures are for guidance only. All installations must comply with the appropriate standards.
- If flickering is experienced, a different dimmer may be needed.
- Ensure that the area in which the unit is fitted will have adequate free air circulation. Minimum air gap around and above unit as shown in diagram 3.
- Terminal block not included.

Installation process

First Fix

- Using a 64mm hole cutter, cut a hole in the ceiling for each unit. Note: Before cutting, ensure no positions are under joists, cables, pipes etc.
- Using suitable screws, fix the housing to the ceiling, as in diagram 1 (a). 6x drywall screws are supplied.
- Plaster the ceiling up to the lip of the housing, as in diagram 1 (b).

Install LED unit

- Isolate mains supply prior to wiring.
- Wire the female connector to the mains supply. Note: Live and neutral terminals are marked on the connector.
- Plug the male and female connectors together.
- Insert the LED unit into the housing. Push it in to clip it into place, as in diagram 3.

Product features

- Patent No. GB2462155
- Compatible with most leading and trailing edge dimmers. Collingwood recommend a Halers range dimmer.
- Integrated LED driver for straight to mains wiring.
- Input power 8.5W
- Power factor 0.95
- Separated Extra Low Voltage (SELV)
- 220-240V AC, 50/60Hz input for LED driver
- Double insulated LED driver, no earth required
- Suitable for 30, 60, and 90 minute fire-rated ceilings
- Fire resistance tested for load bearing elements, part 2, BS EN 1365-2:2000
- Complies with the following safety building regulations :
 - Part P - Electrical Safety
 - Part B - Fire Safety
 - Part C - Air Tightness (resistance to contaminants and moisture)
 - Part E - Acoustic (resistance to passage of sound)