

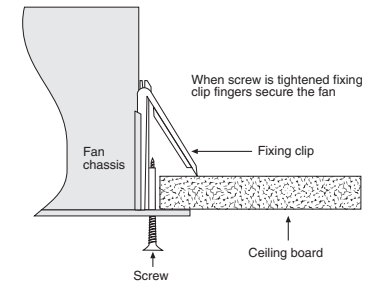
**MANROSE 150MM  
EXTRACT-A-LITE/EXTRACT-A-LED DIFFUSER**

Please read all instructions before commencing installation.

LED models DCT3208, DCT3209, DCT3211, DCT3212, DCT3640		Halogen models DCT1169, DCT1171, DCT1521, DCT1522	
<b>Electrical Supply</b>	Driver Input: 220-240 VAC Driver Output: 12VDC	<b>Electrical Supply</b>	Transformer Input: 220-240 VAC Output: 12VAC
<b>Replacement driver</b>	FAN5342	<b>Replacement transformer</b>	FAN2101
<b>Lamp</b>	MR16: 12V / 3W high power LED	<b>Lamp</b>	MR16: 12V / 50W Halogen
<b>Replacement lamp</b>	LHT0221	<b>Replacement lamp</b>	FAN0431

Please ensure the correct LED lamp and driver OR Halogen lamp and transformer are used for replacements. The LED model **MUST** be replaced with an LED lamp and the Halogen model **MUST** be replaced with a Halogen lamp. They are not interchangeable.

**Diagram 1  
INSTALLATION**

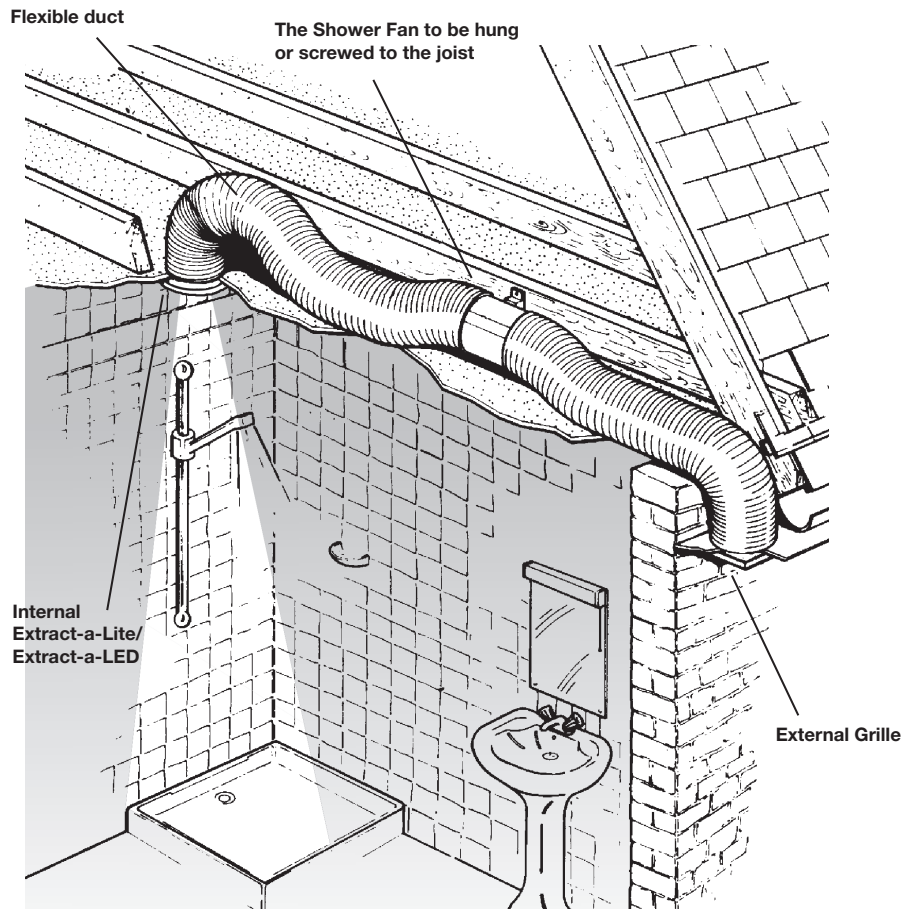


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Diagram 2  
TYPICAL INSTALLATION



## Installation Instructions

**Important: The Halogen model Extract-a-Lite must not work independently of the fan.**

1. Cut a 165mm diameter hole in ceiling, (always ensure the hole is cut between ceiling rafters and away from any wiring or plumbing). Fix the chassis using the 4 screws provided. Use the fixing clips to secure the grille (See diagram 1).
2. Connect the duct to the spigot of the chassis.
3. **For the LED models:** Connect LED driver to the Extract-a-LED and to a suitable power supply, ideally to the switched live of the extractor fan installed. Recommended driver: FAN5342. Replacement lamp: LHT0221  
**For the Halogen models:** Connect a suitable transformer to the Extract-a-Lite and to a suitable power supply, ideally to the switched live of the extractor fan installed. Recommended transformer: FAN2101. Recommended lamp: FAN0431
4. Place the ceiling cover onto the chassis by locating onto the 3 lugs, and twisting clockwise.
5. Never connect mains direct to the lamps.
6. The transformer/driver must be suitable for 230V AC input.

**CAUTION:** Disconnect the power supply, and be sure that the lamp has fully cooled before removing or replacing.

## IMPORTANT

- Isolate the mains supply before making any electrical connections. This system should be installed by a qualified electrician.
- When fitting through an external wall, an external grille must be fitted at all times.
- Fan should only be installed by fixed wiring, a flexible cord should not be used.
- The appliance is not intended for use by young children or infirm persons without supervision.
- Young children should be supervised to ensure that they do not play with the appliance.
- Precautions must be taken to avoid the back-flow of gases into the room from the open flue of gas or other open-fire appliances when mounted in outside windows or walls.