

KADO

Kado Lux LED Exhaust Fan 200mm & 250mm

Please read these instructions carefully before installing and using the product. Keep the instructions handy for future reference. Electrical wiring must only be done by a licensed electrician and a “Certificate of Compliance” must be issued on completion of the installation.

LOCATION

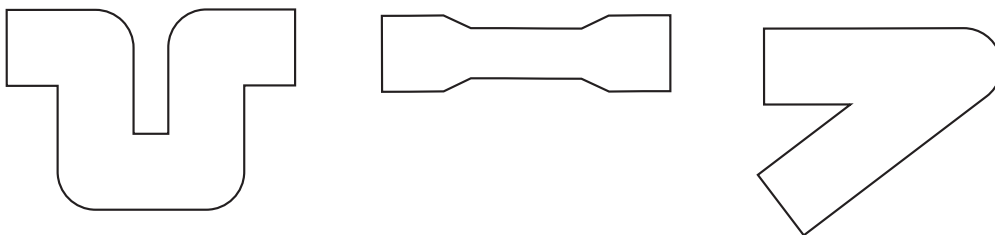
The unit must be located and installed in accordance with AS/NZS 3000 and local building codes relating to damp situations. The unit can be installed in flat ceilings with a minimum height of 2 metres. At least 200mm height clearance in the ceiling cavity is required to ensure sufficient ventilation for moisture to disperse. Ensure adequate inlets exist through windows, vents or under the door for airflow. Regulations concerning the discharge of air must be fulfilled.

POWER

AC220~240V, 50Hz electrical supply is required. The unit can be connected to a lighting or power circuit if loading permits. All electrical work must be carried out in accordance with AS/NZS 3000 or latest edition thereof, and local building codes and regulations. Ensure that supply power is isolated before commencing installation.

IMPORTANT CONSIDERATIONS

1. This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities. Or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
2. Children should be supervised to ensure that they do not play with the appliance.
3. Fan must be installed at least 1200mm above any hotplate and must have at least 500cm clearance at the exhaust outlet.
4. Do not install fan in locations that may get extremely hot.
5. Ensure the fan has at least 20mm clearance in the ceiling space before installing.
6. Minimum installation height is 2100mm from the floor to the bottom of the exhaust fan.
7. If the room where the fan is to be installed already contains a stove, water heater or a gas fire, it is essential to ensure that air supply to the room is enough for both the fan and the combustion appliance.
8. Please check the appliance has not been damaged during transportation.
9. Check the electrical specifications label corresponds to your electrical supply.
10. When using double pole switch connection, the switch must have a minimum 3mm separation on all poles.
11. If the supply cord is damaged, it must be replaced by the manufacturer, its service agent, or similar qualified person in order to avoid a hazard.
12. When adding duct, avoid bending the duct in the following shapes:



13. Adhere to the latest national wiring rules AS/NZS3000, for wiring and when installing in bathrooms, nearby sinks and water taps.
14. For the exhaust fan to work effectively, replacement air of volume equivalent to what is being extracted must be able to enter the room. In general, this air would be drawn under the door or through a slightly open window. If the room is air tight, the fan will function poorly.
15. Before commencing any cutting, check in the mounting location so that there is no obstruction such as ceiling frames or joints, and that there is sufficient height clearance for the housing. Check the electrical wiring can be routed from the wall switch to the mounting location.
16. This fan is not intended for mounting in outside windows or walls.

Plumbers, please ensure a copy of the installation instructions is left with the end user for future reference.



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WARNING: AN ALL-POLE DISCONNECTION MUST BE INCORPORATED INTO THE FIXED WIRING IN ACCORDANCE WITH THE WIRING RULES AS OUTLINE IN CLAUSE 7.12.2 OF AS/NZS 60335-1 FOR MEETING THE MINIMUM ELECTRICAL SAFETY OF THIS STANDARD.

Warning: Ensure the power supply to the exhaust fan is switch OFF before carrying out any installation and maintenance.

Note: A double pole disconnection switch must be included in the electrical wiring of the exhaust fan.

1. Check the fan is free to rotate.
2. Cut the hole for the fan according to the template provided.
3. Attach the LED Light:
 - a. Remove the double sided tape and attach the LED Driver onto the fan body. (See Figure 3a)
 - b. Plug the fan and LED driver into a socket outlet and pull through the LED output connector with the hole provided. (See Figure 3b)

Note: The two socket outlets and electrical wiring to an ON/OFF wall switch must be pre-installed.

Please arrange a licensed electrician to prepare the socket outlet and an ON/OFF wall switch before carrying out the installation of this fan.

- c. Secure the fan body using the three clips, tightening the screws to secure the fan body to the ceiling. Now securely connect the LED lamp male connector and LED driver connector. (See figure 3c)
 - d. Push the LED cable connector through the hole so that the connectors are in the ceiling cavity. See Diagram.
4. Secure the panel/fascia by squeezing the spring fasteners and insert into the slot in the fan body. Check that the panel is secured firmly and closely to the fan body.

LED Lamp and LED driver are replaceable. To replace, disconnect female and male connectors and replace with new LED lamp or LED driver.

To avoid overheating, DO NOT cover the LED driver with roof insulation.

Note: Switch ON the fan and check for excessive vibration in the fan. If the fan runs in a sound way without abnormal noise, then install the panel.

The vent duct should be declined downwards by about 10 degrees.

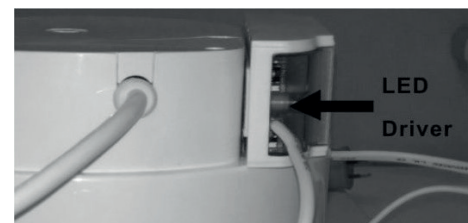


Figure 3a. Attach the LED Driver



Figure 3b. Pull through connector

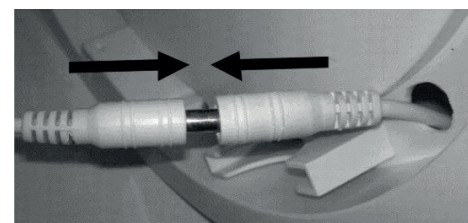
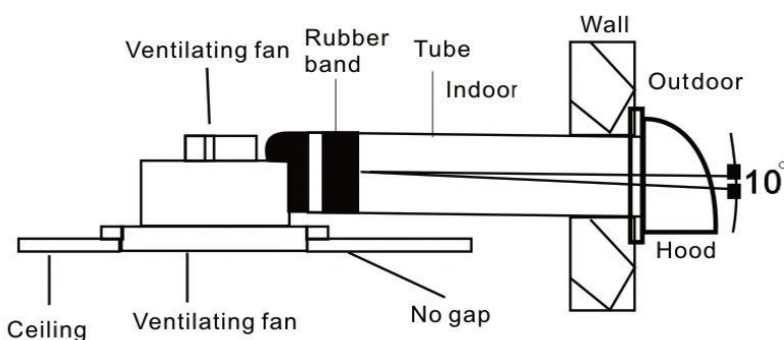


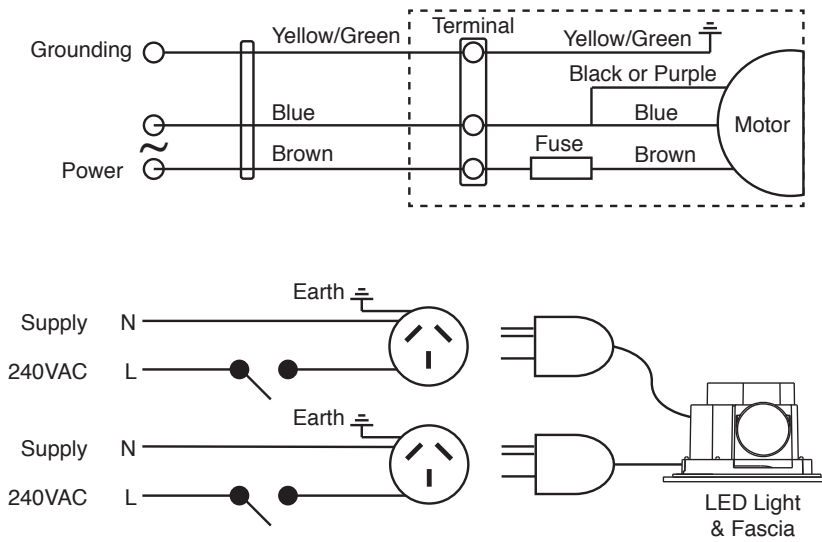
Figure 3c. Connect LED connections



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ELECTRICAL WIRING



CARE AND MAINTENANCE

- Make sure the fan is always switched off before cleaning.
- Make sure to use the fan with the specified voltage as stated on the rating label.
- Use the fan in a dry place, avoid excess humidity and water.
- Never immerse any part of the fan in water or other liquids.
- Never use petrol benzene or other such chemicals.
- Never allow water to contact the electrical parts such as switch and motor.
- Never immerse blades or other resin parts in hot water over 60°C.
- Never install the fan in extremely hot environments.