



Important Safety Issues;

- This product must be installed by a qualified electrician according to AS/NZS 3000.
- Ensure all electrical mains are disconnected before any installation.
- Modification of this product will void any warranty.
- Do not touch the lamp with bare hands, and ensure to let lamp cool after use before touching. This lamp can get extremely hot.
- Havit Lighting does not take responsibility for wrong installation, incorrect use, or use of installation material that does not belong to the system.
- When installing low voltage fittings, Voltage to fitting must be within +or- 5% of voltage required, if not within this allowance warranty will be voided.
- Aluminum and 304SS fittings must not be installed within 2km of any salt water environments.
- When installing copper fittings, gloves must be worn to avoid any oils transferring to fitting.
- All 316 stainless steel fittings must have regular cleaning maintenance to avoid any tea staining from forming on fitting. (Warranty does not cover Tea Staining)
- Total wattage load must not exceed 70% of driver capacity to allow for start up current of the LED fittings.
- A low voltage garden cable must be used when installing any low voltage lighting. Size of cable used must be a minimum 2.5mm but will vary depending on length of run and total load.
- 3rd Party Vendors: YZfe_gf ZShMSWtgSFWdcf SYW ZW [efS^WVi SdtS fki [^T^Wha[VW [X af [efS^W UcdWf/k/aWW[SYdb_ 3fi
- All o-rings and seals must be in place correctly to maintain warranty.

Diagram A

Steps for Installation; (for [Ydãq` V or brick installation)

1. Make sure that the electrical circuit is free of voltage (master switch off)
2. Insert Canister into desired location making sure top of canister is level with surface height.
3. Connect the cable -
 - a. Use an appropriate 12v DC LED Driver
 - b. Strip back cable on both fittings and cable run and twist the positive cable from fitting to positive on the cable run, then connect neutral from fitting to neutral on the cable run.
 - c. Solder all joins using solder and either a heat gun or butane gas torch.
 - d. Cover connections using an adhesive lined heat shrink or gel cap to make connection watertight.
 - e. Heat the heat shrink or crimp the gel cap making sure all connections are covered.
4. Insert fitting into hole
5. Apply silicon around edge of fitting to prevent any water from getting inside to electrical connections
6. All connections must be carried out carefully, inspect all contacts before switching back on the electric circuit.

Steps for Installation; (for timber installation)

- #Z Make sure that the electrical circuit is free of voltage (master switch off)
- \$Z Cut hole in desired location
- %Z Connect the cable -
- Use an appropriate 12v DC LED Driver
 - Strip back cable on both fittings and cable run and twist the positive cable from fitting to positive on the cable run, then connect neutral from fitting to neutral on the cable run.
 - Solder all joins using solder and either a heat gun or butane gas torch.
 - Cover connections using an adhesive lined heat shrink or gel cap to make connection watertight.
 - Heat the heat shrink or crimp the gel cap making sure all connections are covered.
- &Z Insert fitting into hole
- ^ Z Apply silicon around edge of fitting to prevent any water from getting inside to electrical connections.
- (Z All connections must be carried out carefully, inspect all contacts before switching back on the electric circuit.

THESE FITTINGS MUST BE INSTALLED BY A LICENSED ELECTRICIAN