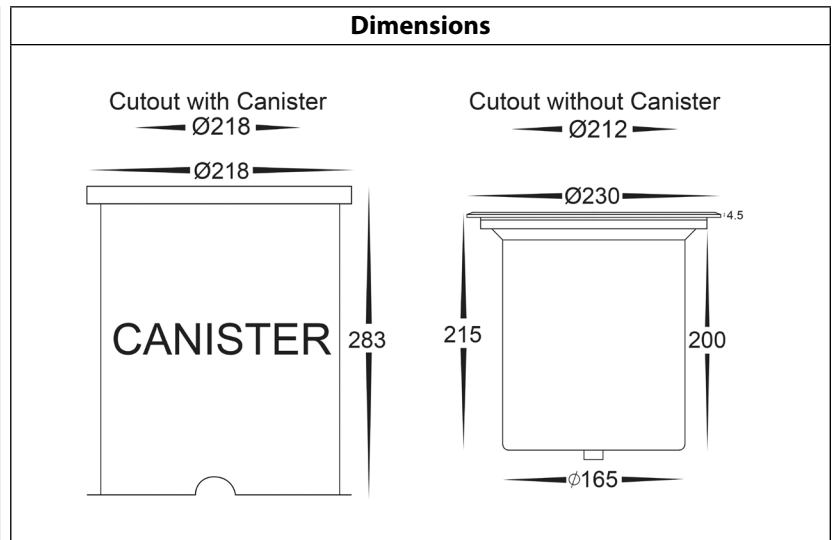


Toldo Inground Light Installation Instructions



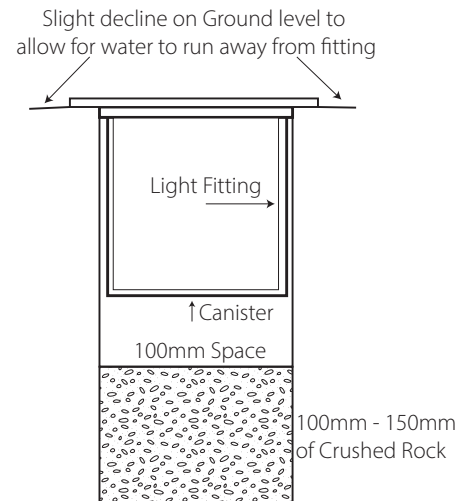
Product Specifications		
Model No.	HV1829W	HV1829C
Name	Toldo	
Material	316 Stainless Steel + Aluminium	
Colour	Stainless Steel	
IP Rating	IP67	
Input Voltage	24v DC	
IK Rating	IK10	
Lamp Base	Built in LED	
Lamp Wattage	1x 20w	
Colour Temp	3000k	5500k
Lumens	1600lm	1800lm
CRI	> 80	
Wiring	Parallel	
Dimmable	No	
Warranty	2 Years Replacement*	



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.
- Do not exceed maximum wattage restrictions for globes: 240V GU10 = 35w / 12V MR16 = 20w
- Modification of this product will void any warranty.
- 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 and cannot be installed more than 25m from LED Driver, if not within this allowance warranty will be voided.
- Aluminium 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)
- All o-rings and seals must be in place correctly to maintain warranty.
- These instructions may be updated at any time due to product improvements, Please visit website for most current installation instructions.

Sample Adequate Drainage Diagram



Steps for Installation:

1. Make sure that the electrical circuit is free of voltage (master switch off)
2. Make a hole where fitting is to be placed using dimensions provided on line drawings, making sure adequate drainage is allowed.
3. Insert canister, and ensure that the top is level with ground or floor. Failure to do so will void warranty.
4. Using an appropriate 24v DC LED Driver - DO NOT CONNECT LIGHT FITTING DIRECTLY TO 240V
5. Connect the cable - If more than one fitting installed, wiring must be done in parallel.
6. Strip back the cable on both fitting and cable run and twist the positive cables together. Then connect neutral cables together
7. Solder all joins using solder and either a heat gun or butane gas torch.
8. Cover connections using an adhesive lined heat shrink or gel cap to make connection watertight. Failure to do this will void warranty.
9. Heat the heat shrink or crimp the gel cap making sure all connections are covered.
10. To adjust angle, unscrew nuts on back of face, Remove globe and select desired colour temperature by moving switch on side of globe and reinsert globe.
11. Adjust fitting to desired angle by pushing gently on either side of globe until you reach desired angle.
12. Reattach the nuts and tighten making sure the seals are still in place and screws are tight to avoid any water penetration.
13. Insert fitting into canister. Apply silicon around edge of fitting to prevent any water from getting inside to electrical connections.
14. All connections must be carried out carefully, inspect all contacts before switching back on the electric circuit.

Must be installed by a licensed electrician

Contact Details:

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Warranty Terms & Conditions*



Additional Information

