

# Metro Inground Light Installation Instructions



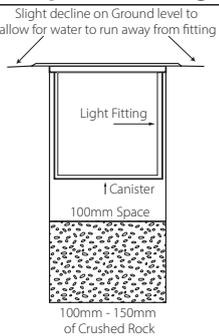
## Product Specifications

Model No.	HV1701T	HV1801T	HV1706T	HV1806T
Name	Metro			
Material	316 Stainless Steel cover + Aluminium body			
Colour	Cover - Stainless Steel   Body - Black			
Trafficable	Yes - 600kg			
Installation Type	Ground (Recessed)			
IP Rating	IP65			
IK Rating	IK10		IK10	
Input Voltage	12v DC (Constant Voltage)		240V	
Protection Class	(Low Voltage) ⚡		(Requires Earth) ⚡	
Lamp Base	MR16		GU10	
Lamp Wattage	1x 5w (Max 20w)		1x 5w (Max 35w)	
Colour Temp	TRI Colour - 3000k, 4000k, 5500k			
Lumens	270lm, 285lm, 300lm			
CRI	> 80			
Wiring	Parallel			
Dimmable	No (Not with Supplied Globes)			
Warranty	3 Years Replacement*			

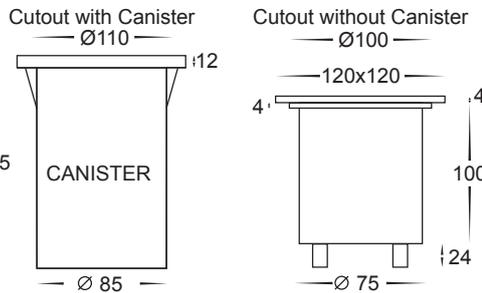
## Important Safety Issues:

- This product must be installed by a qualified electrician according to AS/NZS 3000.
- Ensure all electrical mains are disconnected before any installation.
- 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, if not within this allowance warranty will be voided.
- Aluminium and 304SS fittings must not be installed within 5km of any salt water environments.
- 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
- When installing inground light fittings, Adequate drainage must be allowed to prevent fittings from sitting in water for a long period of time, if no drainage is allowed, Warranty will be voided. (See sample adequate drainage diagram for correct installation method.)
- This form may be updated at any time due to product improvements, please check online installation form for most current version.

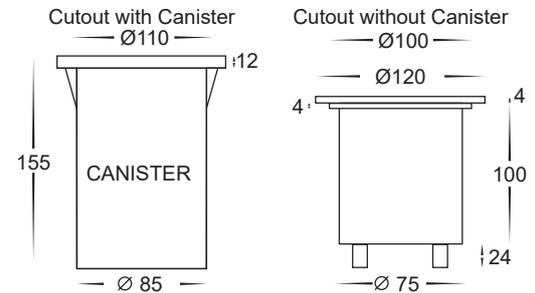
### Adequate Drainage



### HV1701T + HV1706T



### HV1801T + HV1806T



## Steps for Installation: HV1701T + HV1801T

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 12v 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 cable from fitting to positive on the cable run. Then connect neutral from fitting to neutral on the cable run.
7. Solder all joints 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. Colour temperature is preset to 3000K. To change, unscrew 4x allen screws on face of fitting and set aside, Remove globe by holding on the outer rim of the globe and gently pull, select desired colour temperature by moving switch on side of globe and reinsert globe by inserting the 2 pins into the lampholder and gently push down.
11. Reattach face by reinserting the 4x allen screws and tighten making sure the seals are still in place and screws are tight to avoid any water penetration.
12. Tighten cable gland on bottom of fitting before inserting fitting into canister
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.

## Steps for Installation: HV1706T + HV1806T

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. To connect the cable, strip back cable on both fitting and cable run and twist the earths together first, then positive cable from fitting to positive on the cable run. Then connect neutral from fitting to neutral on cable run.
5. Solder all joints using solder and either a heat gun or butane gas torch.
6. Cover connections using an adhesive lined heat shrink or gel cap to make connection watertight. Failure to do this will void warranty.
7. Heat the heat shrink or crimp the gel cap making sure all connections are covered.
8. Colour temperature is preset to 3000K. To change, unscrew 4x allen screws on face of fitting and set aside, Remove globe and select desired colour temperature by moving switch on side of globe and then reinsert globe by inserting the 2 circular pins into the lampholder and twisting clockwise.
9. Reattach face by reinserting the 4x allen screws and tighten making sure the seals are still in place and screws are tight to avoid any water penetration.
10. Tighten gland on bottom of fitting before inserting fitting into canister
11. Insert fitting into canister. Apply silicon around edge of fitting to prevent any water from getting inside to electrical connections.
12. All connections must be carried out carefully, inspect all contacts before switching back on the electric circuit.

## Steps for Changing Globe:

1. To change, unscrew 4x allen screws on face of fitting, Remove globe by grabbing around the edge and pulling gently, Re-insert the appropriate globe, making sure new lamp does not exceed max wattage, see product label for information.
2. Reinsert the 4x allen screws and tighten making sure the seals are still in place and screws are tight to avoid any water penetration.

## Must be installed by a licensed electrician

### Contact Details:

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### Warranty Terms & Conditions\*



### www.havit.com.au

