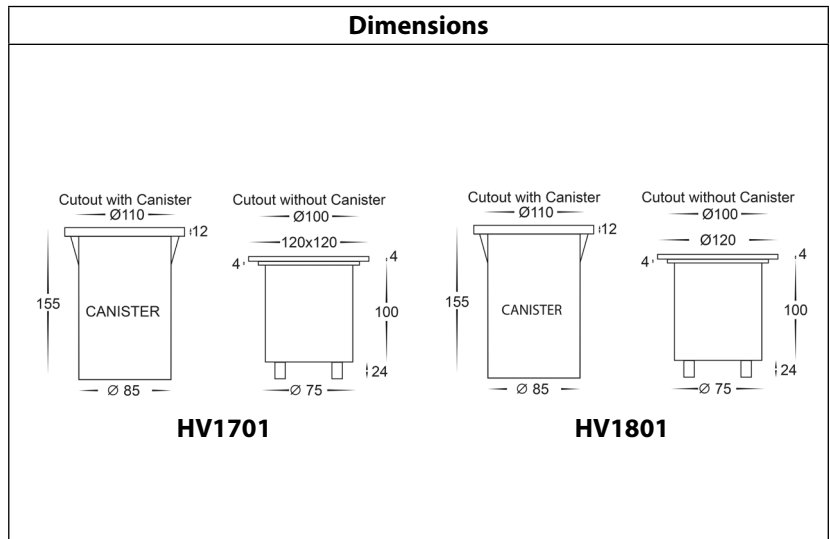


Metro Inground Light Installation Instructions



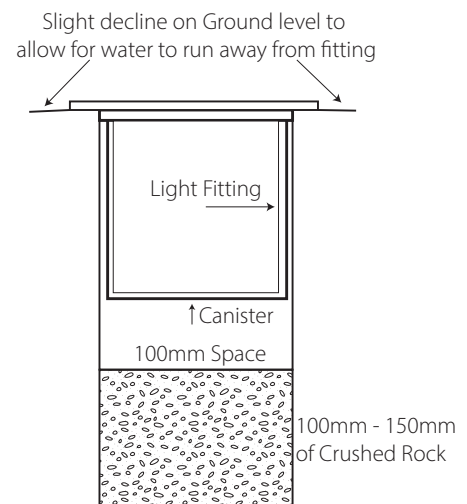
Product Specifications		
Model No.	HV1701T	HV1801T
Name	Metro	
Material	316 Stainless Steel	
Colour	Stainless Steel	
IP Rating	IP65	
Input Voltage	12v DC	
IK Rating	IK08	
Lamp Base	MR16	
Lamp Wattage	1x 5w	
Colour Temp	TRI Colour - 3000k, 4000k, 5500k	
Lumens	270lm, 285lm, 300lm	
CRI	> 80	
Wiring	Parallel	
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 +/- 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 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 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. Colour temperature is set to 3000K factory. To change, unscrew 4x allen screws on face from fitting, Remove globe and select desired colour temperature by moving switch on side of globe and reinsert globe.
11. Reinsert the 4x allen screws and tighten making sure the seals are still in place and screws are tight to avoid any water penetration.
12. Insert fitting into canister. Apply silicon around edge of fitting to prevent any water from getting inside to electrical connections.
13. 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:

143 Beauchamp Road
Matraville NSW 2036
Australia
Tel: 02 9381 8300
Fax: 02 9666 8881
Email: sales@havit.com.au
Web: www.havit.com.au

Warranty Terms & Conditions*



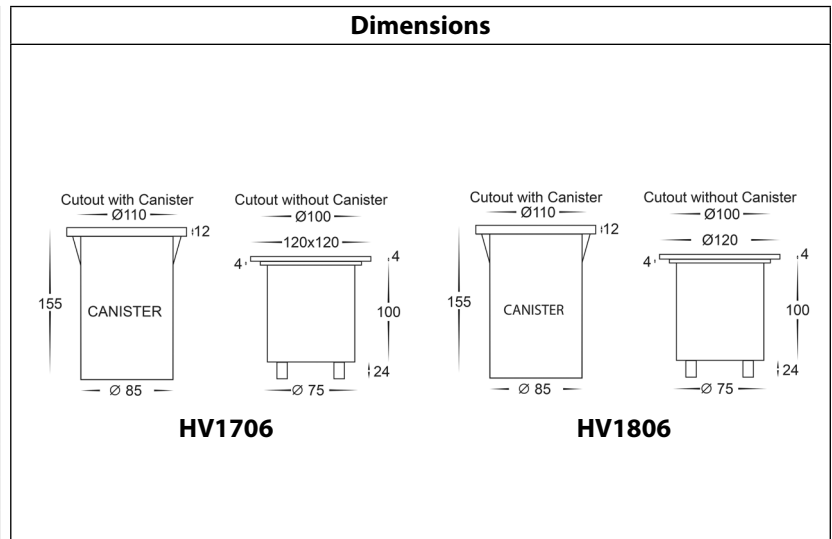
Additional Information



Metro Inground Light Installation Instructions



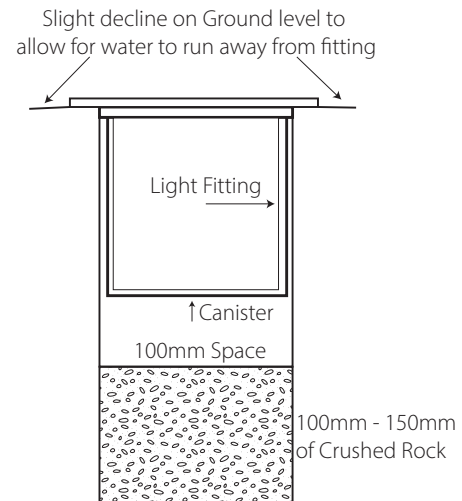
Product Specifications		
Model No.	HV1706T	HV1806T
Name	Metro	
Material	316 Stainless Steel	
Colour	Stainless Steel	
IP Rating	IP65	
Input Voltage	240v AC	
IK Rating	IK08	
Lamp Base	GU10	
Lamp Wattage	1x 5w	
Colour Temp	TRI Colour - 3000k, 4000k, 5500k	
Lumens	270lm, 285lm, 300lm	
CRI	> 80	
Wiring	Parallel	
Dimmable	No	
Warranty	2 Years Replacement*	



Important Safety Issues:

- This product must be installed by a qualified electrician according to AS/NZS 3000.
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- 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 2km of any salt water environments.
- When installing copper fittings, gloves must be worn to avoid any oils transferring to fitting.
- All 316 & 304 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 surface mounted bollards, base plate must be installed on concrete or concrete pad, Fitting should not be installed under ground level, all holes including cable entry must be siliconed to prevent any water penetration into fitting, silicon must also be applied around fitting at ground level. Failure to do this will void warranty
- This form may be updated at any time due to product improvements, please check online installation form for most current version.

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. 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 joins 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 set to 3000K factory. To change, unscrew 4x allen screws on face from fitting, Remove globe and select desired colour temperature by moving switch on side of globe and reinsert globe.
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10. Insert fitting into canister. Apply silicon around edge of fitting to prevent any water from getting inside to electrical connections.
11. 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

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Additional Information

