

# Garden Spike Light Installation Instructions



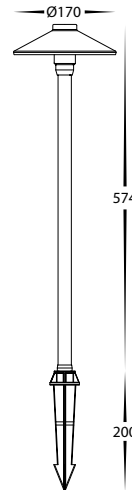
## Product Specifications

Model No.	HV1452T-AB	HV1452T-CP	HV1452T-BLK	HV1452T-SS316	HV1453T-AB	HV1453T-CP	HV1453T-BLK	HV1453T-SS316
Name	Polari				Bitta			
Material	Solid Brass	Copper	316 Stainless Steel		Solid Brass	Copper	316 Stainless Steel	
Colour	Antique Brass	Copper	Black	Stainless Steel	Antique Brass	Copper	Black	Stainless Steel
IP Rating	IP65				IP65			
Installation Type	Ground - Spike				Ground - Spike			
Input Voltage	12v DC				12v DC			
Protection Class	3 -Low Voltage ⚡				3 -Low Voltage ⚡			
Lamp Base	G5.3				G5.3			
Lamp Wattage	3w				3w			
Colour Temp	Tri Colour - 3000k, 4000k, 5500k				Tri Colour - 3000k, 4000k, 5500k			
Lumens	300lm, 315lm, 310lm				300lm, 315lm, 310lm			
CRI	>80				>80			
Wiring	Parallel				Parallel			
Dimmable	No				No			
Warranty	3 Years Replacement*				3 Years Replacement*			

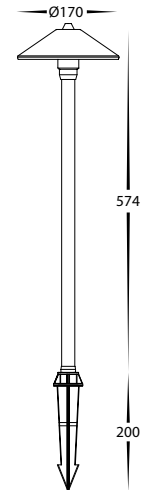
### Important Safety Issues:

- This product must be installed by a qualified electrician according to AS/NZS 3000.
- Ensure all electrical mains are disconnected before any installation.
- Do not exceed maximum wattage restrictions for globes: 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.
- All electrical connections must be watertight, If a watertight connection is not done, Warranty will be voided.
- 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.
- 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).
- When installing copper fittings, gloves must be worn to avoid any oils transferring to fitting.
- 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.

### HV1452 Dimensions



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### Steps for Installation:

1. Make sure that the electrical circuit is free of voltage (master switch off)
2. Attach spike to bottom of fitting by twisting clockwise
3. Insert the globe by inserting the 2 pins into the lampholder and pushing down gently.
4. Globe is set to 3000k, to select either 4000k or 5500k, slide switch located on top of globe to correct position.
5. Attach top to post by sliding over globe and onto post, then tighten allen screw located on side.
6. Place fitting in desired location
7. Use an appropriate 12v DC LED Driver - DO NOT CONNECT LIGHT FITTING DIRECT TO 240V
8. Connect the cable - 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.
9. Solder all joints using solder with either a heat gun or butane gas torch.
10. Cover connections using an adhesive lined heat shrink or gel cap to make connection watertight. (failure to do this step will void warranty)
11. Heat the heat shrink or crimp the gel cap making sure all connections are covered.
12. All connections must be carried out carefully, inspect all contacts before switching back on the electric circuit.

### Steps for Changing Globes:

1. Remove top by loosening allens crew on side of top and pull gently
2. Remove globe by pulling gently
3. Insert the globe (Make sure not to exceed max wattage, see product label for correct info) by inserting the 2 pins into the lampholder and pushing down gently.
4. Reattach top to post by sliding over globe and onto post, then tighten allen screw located on side.

**Must be installed by a licensed electrician**

#### Contact Details:

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#### Warranty Terms & Conditions\*



[www.havit.com.au](http://www.havit.com.au)

