

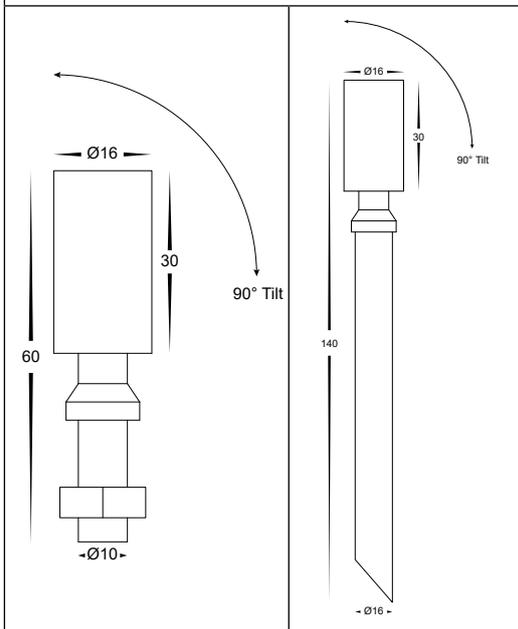
## Product Specifications

Model No.	HV1433T-BLK	HV1433T-WHT	HV1434T-BLK	HV1434T-WHT
Name	Spar			
Material	Aluminium		Aluminium	
Colour	Black	White	Black	White
Installation Type	Ground - Spike or Surface Mount			
IP Rating	IP65			
Input Voltage	12v DC			
Protection Class	3 - Low Voltage			
Lamp Base	Built in LED			
Lamp Wattage	1x 0.5w			
Colour Temp	TRI Colour - 3000k, 4000k, 5500k			
Lumens	25lm, 30lm, 27lm			
CRI	> 80			
Wiring	Parallel			
Dimmable	Yes			
Warranty	3 Years Replacement*			

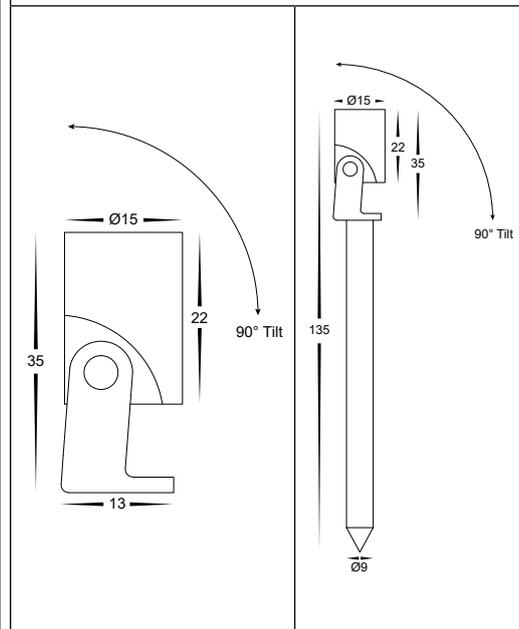
## Important Safety Issues:

- This product must be installed by a qualified electrician according to AS/NZS 3000.
- Ensure all electrical mains are disconnected before any installation.
- 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.
- 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.
- These instructions may be updated at any time due to product improvements, Please visit website for most current installation instructions.

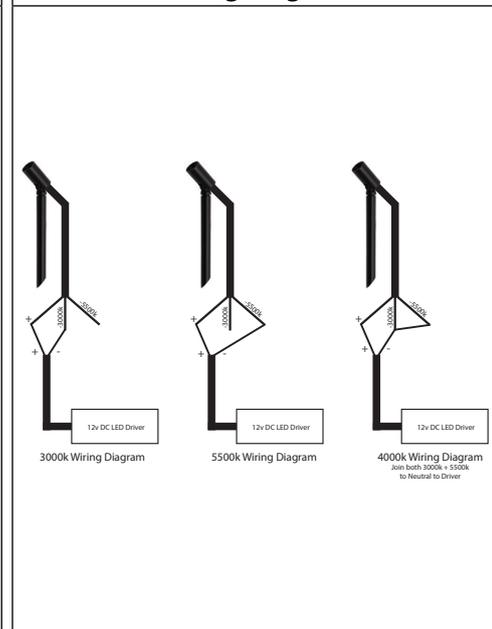
## HV1433T Dimensions



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## Wiring Diagram



## Steps for Installation:

1. Make sure that the electrical circuit is free of voltage (master switch off)
2. Place fitting in desired location
3. Connect the cable -
4. Use an appropriate 12v DC LED Driver - DO NOT CONNECT LIGHT FITTING DIRECT 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.
7. Then connect neutral cables together, Neutral cables are marked for selection of colour temperature. If 3000k or 5500k is selected you must terminate extra cable to be IP Rated to avoid any water making contact with internal parts of cable. To get 4000k, Join both 3000k + 5500k together and connect to neutral on cable run.
8. Solder all joins using solder with either a heat gun or butane gas torch.
9. Cover connections using an adhesive lined heat shrink or gel cap to make connection watertight. (failure to do this step will void warranty)
10. Heat the heat shrink or crimp the gel cap making sure all connections are covered.
11. Colour temperature is preset to 3000k, to change remove cover from fitting by twisting anti clockwise, Remove glass and set aside. Remove globe from fitting and move switch on side of globe to desired colour temperature.
12. Adjust fitting to desired position making sure to stop rotating when fitting cannot rotate anymore, If forced fitting will continue to rotate and cause internal cables to become entangled causing fitting to short. If this is done, warranty will be voided.
13. 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\*



### www.havit.com.au

