

# SmartLite™ STD Instructions

Thank you for purchasing SmartLite™.

Designed and manufactured in New Zealand for long-term outdoor use, you can expect many years of reliable service.

To gain the maximum use out of your SmartLite™ please follow the instructions below.

## Contents

- x 1 SmartLite™ STD with sensor probe
- x 1 Probe hook
- x 1 Mounting stake
- x 1 Temperature Colour Ranges sticker
- x 1 SmartLite™ STD Instructions

## Battery

Remove the clear light cover by squeezing the two yellow clips.

Insert 6V lantern battery:

Battery Types: 4R25, 1209, 509, PJ996

**Please note:** Alkaline batteries are not recommended for most applications.

Clip the case sections together again.

Unit will flash Red-White-Green once to indicate power connected.

## Installation

Position the SmartLite™ so that it points towards the sky (else rain may enter unit), use the included mounting stake with two 45mm screws.

Alternatively SmartLite™ can be suspended with a cord.

Locate sensor probe in the canopy area that is representative of the area you wish to measure.

Unit is now functioning.

At end of season, remove battery.

## Temperature Colour Ranges

3° to 1°C	Green constant
1° to 0°C	White constant
0° to -1°C	Red constant
Less than -1°C	Red SLOW Flash

## Other Display Modes

### Good Health – Green Flash

Above 3°C, the SmartLite will give a short flash approx every 30 seconds indicating unit is operating correctly. (**Tip: use this function to retrieve units in the evening at the end of season**).

### Low Battery – Red → White → Green flashing

Change battery immediately.

### Faulty Sensor – Fast Red flashing

Return for service

### Power On Test – Red→White→Green once

Power connected OK.

## Testing SmartLite™ calibration

Place the sensor (tip of the probe) in a thermos of crushed ice and water (slurry). Stir continuously. Light should change to red after a short period. Remove the probe from the ice slurry, the light should turn white in under 10 seconds. Removal from slurry will cause light to progress through each colour and will then switch off.

### Test unit regularly !

## Warranty

Willowbank Electronics Ltd warrants this product for 12 months from date of purchase against manufacturing defect / failure. In the event of failure, item will be repaired, replaced or refunded at the discretion of Willowbank Electronics Ltd. No other warranties express or implied are offered with this product. Liability in the event of failure shall not exceed the purchase price of this unit. In the event of failure, unit should be returned to reseller with proof of purchase and description of fault.

This unit is offered as an aid to frost fighting. It is not an absolute measuring device. It should be used in conjunction with other measuring instruments to determine accurate temperature.



(Battery not included)