



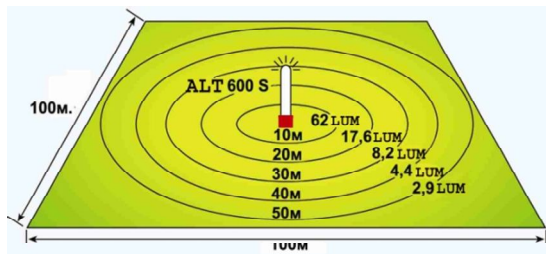
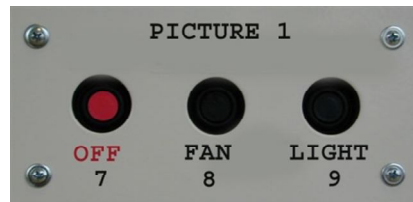
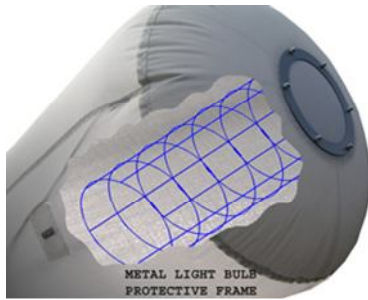
Please read this manual fully before operating the ALT so that you may operate the system both safely and efficiently.
Manual Version: 1.07

**IMPORTANT PLEASE READ
THIS MANUAL BEFORE
OPERATING THE LIGHT TOWER**

AUSTRALIAN LIGHT TOWER

www.austlighttower.com.au

Operating instruction & safety Advice



1. Safety precautions

- Please study this instruction leaflet before operating the ALT.
- **Electricity is dangerous; caution should always be used when operating in wet conditions.**
- **External power supplies can be susceptible to earth leakage use with caution.**
- Be sure to operate ALT only with specified main supply: 220/240 V, 50 Hz.
- ALT should be handled with caution as not to damage the components and fabric.
- Take precautions not to contaminate the ALT with chemical, fuel or other agents
- To operate ALT with GEN/SET see GEN/SET instructions.
- Maintenance of ALT and replacement of globe must be done only when ALT is switched off and disconnected for all power supplies.
- Use only approved spare parts and globes as specified in this manual.

2. Suitability of Use

- The ALT can be used indoors and outdoors temporary or emergency lighting
- The ALT can be used in wet conditions including rain.
- Typical lit area from one unit is approximately 100X100 meters
- ALT can be positioned close to inert structures
- Operating Temperature Min -10 Max +45 degrees Celsius
- Can be operated next to inert structures

3. Technical specifications

- Light source: high pressure sodium lamp 600 W.
- Lamp base: E 40
- Ingress protection: IP 65 (switch box).
- Electrical shock protection: class II.
- Lighting efficiency: >50%.
- Diffuser: height – 5 m, adjustable to 3, diameter – 500 mm.
- Fan: power – 400 – 600 VA; productivity – 2,5-3,5 m³ per min.; overpressure – (10-14)*10³ Pa.
- Inflate diffuser time: 30 s.
- Maximum strength of the wind (with bracing wires): 20 m/s.
- Dimensions in pack up stage:

Model	Weight	Dimension	Globe	SN:	Comments
ALT 600	28 Kilos	520X670X830	Philips SON-T Plus600		
ALT 600s	26 kilos	520X670X500	Philips SON-T Plus600		

4. Wiring diagram

Please see attachment

5. Operating the Light Tower

- Unpack ALT, ensure Light Tower not damaged.
- Install ALT on a flat surface.
- Connect ALT to mains supply.
- Take out diffuser and lay it on the ground along with the bracing cords (3 pieces).
- Press button “FAN” (8, picture 1).
- Support the cylinder as it inflates into the vertical position.
- Fix bracing cords in the ground to protect Light Tower from strong winds.
- After inflation of the diffuser press button “LAMP” (9, picture 1).
- To pack away when operation finished. Press button “OFF” (7, picture 1) and immediately press button “FAN”. (This is because we recommend that you allow the fan to run for 1 to 2 minutes to cool lamp). Then press “OFF” again and pack
- Remove the bracing cords from the ground.
- During deflation maintain a firm grip of the cylinder, ensuring that the light component (located within the tip of the cylinder) does not touch the ground.
- Disconnect ALT from the mains supply.
- Roll up cylinder and pack back into the soft cover.

Caution: when using ALT indoors powered by a petrol driven generator. Use only in well ventilated areas due to carbon dioxide poisoning

7. Maintenance

- Only minor service should be attempted by operator or non-approved service centers.
- Minor service includes the following:

Fan Motor Brushes

Every 500 hours of operation or 12 months the fan motor graphite brushes should be removed and checked for wear and serviceability. If necessary replace.

1. Unzip light diffuser
2. Unscrew protective arch cover over fan motor and electronics.



3. On the fan motor terminal brushes. Unscrew these and remove brushes.
4. Check brushes for wear and tear, if at lower limits or damage replace.

Fan Filter

Every 500 hours of operation or 12 months, or is in dusty conditions as required.

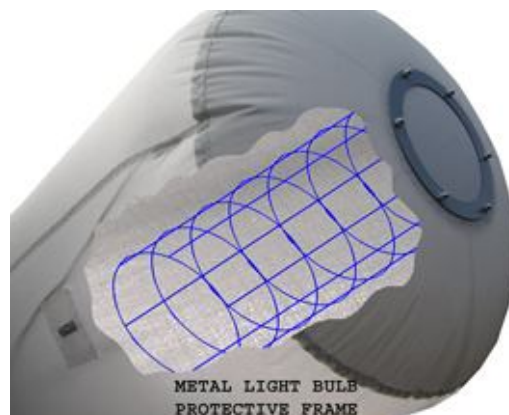
Remove fan filter and clear or replace as required.

1. Air filter is located on the underside of the metal lid holding the fan motor. Raise lid and gain access to filter.
2. Remove fan filter and clear or replace as required.

Light Globe Replacement

The replacement of the globe is an easy process and can be achieved by following the following process:

1. Unzip light diffuser
2. Reach inside the diffuser until you can hold the metal light bulb protector frame.
3. Rotate old globe out and replace in with the reverse procedure.
4. **Caution; if bulb is broken carefully remove all glass bit and clear area.**



7. Trouble shooting

Problem	Check	Actions
Cylinder not inflating (no fan noise)	<ul style="list-style-type: none">• Check power supply• Check FAN switch is on• Check cylinder for damage	<ul style="list-style-type: none">• Change FAN motor brushes.• Check FAN filter.
Cylinder inflates no light source	<ul style="list-style-type: none">• Lamp lose or defective	<ul style="list-style-type: none">• Tighten or replace
Cylinder inflates but not at high pressure	<ul style="list-style-type: none">• Check Cylinder for holes• Check inside Cylinder for fan protective bag open.	<ul style="list-style-type: none">• Repair hole in Cylinder• Open zipper at bottom of Cylinder. Check the fan protective cover (silver) hole is closed to within 80 to 100mm.

7. Storage

The ALT should be stored in a dry place with a temperature between +5 to +45c maximum shelf life from date of manufacture is 5 years.