

# Solar Traffic Lights

# ELA-T005



With our solar traffic light series Everlight offers cost effective, efficient solutions for your modern traffic management needs. Our solar traffic lights operate without the need for time consuming electrical wiring connections, extensive trenching or drilling associated with conventional traffic signal devices. The self powering nature of the traffic signals frees you from expensive utility supplied electricity.

Everlight traffic signals are also very reliable. LED lighting units provide highly visible illumination and last much longer than conventional lights, reducing the need for frequent lamps changes and maintenance costs. Our traffic signals are also unaffected by utility grid failures and power blackouts, providing uninterrupted regulation of traffic.

### Design Features

- Powered with high efficiency solar cells and solar energy battery
- Energy efficient LEDs provide high quality brightness
- Maintenance-free, sealed gel batteries
- Warranty for solar modules can last up to 25 years

### Value and Convenience

- Easy installation, no manual operation or electrical cabling required
- Keep your installation costs and personnel to a minimum; reduce traffic delays
- Ideal for areas with little or no electric grid connection
- Energy efficient LED lamps last upwards to 100,000 hours eliminating the need for frequent lamp changes

### Environmentally Friendly

- Solar traffic lights are powered by clean, renewable and free energy from the sun.
- LED lamps are mercury free, which means no toxic waste when they are disposed
- Displaces grid supplied electricity and reduces carbon emissions

| SPECIFICATIONS |  |               |
|----------------|--|---------------|
| ITEM           | TECHNICAL DESCRIPTION                            | LIFE          |
| Work Condition | Operating temperature: From -50°C to 70°C        |               |
|                | Operating Voltage: 12V                           |               |
|                | Wind rate: 96km/h                                |               |
|                | Water resistance: IP54                           |               |
|                | Lighting Time: All the times                     |               |
| Solar Panel    | 15Wp ( Monocrystalline/ Polycrystalline Silicon) | 25 years      |
| Light Source   | LED power: 5W                                    | 100,000 hours |
|                | LED brightness: 17Lux                            |               |
|                | LED color: amber/red/green                       |               |
|                | LED color temperature: 6000-7000K (Sun color)    |               |
|                | Visibility distance: 500m                        |               |
|                | Flash frequency: 24±2/min                        |               |
| Frame Material | Diameter of lamp shade: 300mm                    | 20 years      |
|                | Height available: 1850~2850mm                    |               |
|                | Material: Stainless Steel                        |               |
| Battery        | 12V 25AH   | 3~5 years     |
|                | Maintenance-free Colloid                         |               |
| Controller     | 12V 10A DC                                       | 3 years       |
|                | Time and Light switch controller                 |               |

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**Headquarters-Hong Kong**  
 Everlight Corporation Ltd.  
 2506, West Tower, Shun Tak Centre, 168-200  
 Connaught Road, Central, Hong Kong  
 Tel: +852 6614 4916 Fax: +852 2815 1975  
 URL: www.everlight-solar.com



**Manufacture-China**  
 Helios Photovoltaic Co., Ltd.  
 Unit 3-A, 86 West Wujin Avenue, Wujin Hi-tech Industrial  
 Zone 213164, Changzhou, Jiangsu Province, China  
 Tel: +86 519 8648 8901/2/3 Fax: +86 519 8648 2889  
 URL: www.helios-pv.com