



**TECH-WIND**

Measurement Systems

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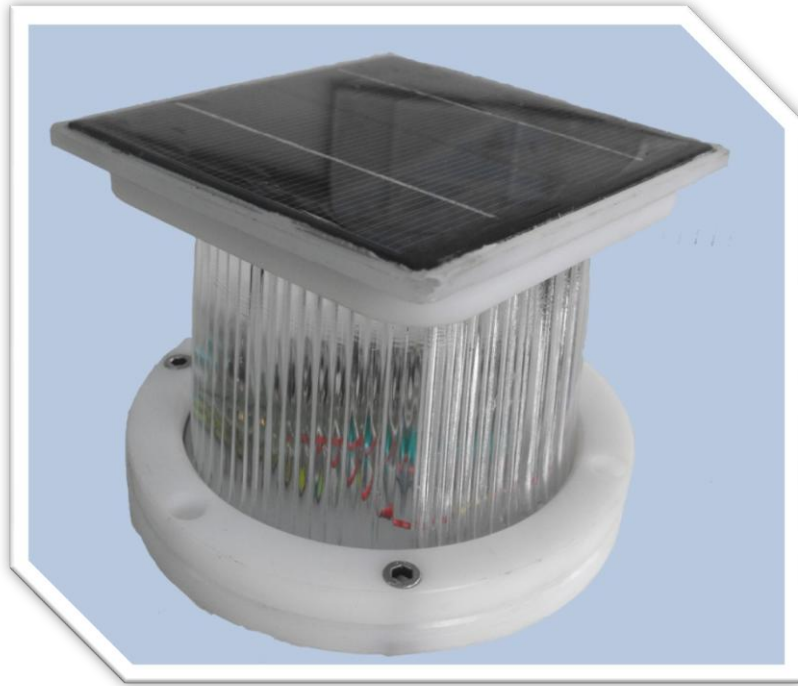
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**SOLAR AVIATION LIGHT**

**(AVL108)**

## AVL108 — Microprocessor Powered Solar Aviation Light

Solar Aviation Light (AVL108) by Tech-Wind offers a new standard in the field. The device is very simple to use, requires no maintenance up to 5 years, installation is easy no technical knowledge is needed.

AVL108 has advanced technology of design, microprocessor keeps track of the daylight and controls the battery pack to charge during the day even under low light conditions and turns on the powerful LED (Light Emitting Diode) at dusk and LED keeps flashing until dawn. The light is visible up to 3 kilometers at all angles. This feature provides safety to both military and general airlines. Also microprocessor manages the power consumption to minimum.

Also AVL108 is particle and waterproof; it works under all weather conditions. Any dust, sand or water cannot penetrate the case and the electronics does not take any damage from them.

AVL108 conforms the ICAO Annex 14, Vol. 1, Para. 5.3.16.

### Application

AVL108 designed to provide minimum cost and maximum efficiency. It is suitable for all types of taxiway, helipad, barricade, and general airfield lighting applications.

### Features

- Powerful LED (Light Emitting Diode) provides bright light
- Light visible up to 3 kilometers
- Easy Installation
- Provides safety to airlines
- Waterproof and durable
- Operates up to 72 hours when no electrical charge
- Requires no maintenance

### Technical Data

#### Operation

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Illumination Technology:	1W Power LED
Life Span of LED	Up to 100000 Hours
Minimum Autonomy	Up to 72 Hours when no charging
Minimum Charge Time	1,5 Hours
Flashing time	30 Flashes per Minute (It Can Be Changed According To Application)

#### Light Output

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Color of the LED:	Red
Effective Intensity:	32 Candela
Horizontal Output:	360°

## Solar Panel

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Type:	Mono Crystalline PV Cell Arrays
Maximum Power:	2 W
Maximum Current:	400 mA

## Battery

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Type:	Nickel Metal Hybrid Array
Nominal Voltage:	4,7 Volts
Nominal Current:	2700 mA

## Construction

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Lens Material:	Fresnel Glass
Sealing:	Self-Contained unit, Sealed with O-Ring
Weight:	1,4 kg

## Environmental

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Temperature Range:	-40° to +80°C
Protection:	IP67

