



9W SOLAR AVIATION LIGHT (AVL109)

AVL109 — Microprocessor Powered Solar Aviation Light

9W Solar Aviation Light (AVL109) 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.

AVL109 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 LEDs (Light Emitting Diodes) at dusk and LEDs keeps flashing until dawn. The light is visible up to 7 kilometers at all angles. This feature provides safety to both military and general airlines. Also microprocessor manages the power consumption to minimum.

Moreover AVL109 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.

AVL109 conforms the ICAO Annex 14, Vol. 1, Para. 5.3.16.

Application

AVL109 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 LEDs (Light Emitting Diodes) provides bright light
- Light visible up to 7 kilometers
- Easy Installation
- Provides safety to airlines
- Waterproof and durable
- Operates up to 96 hours when no electrical charge
- Requires no maintenance

Technical Data

Operation

Illumination Technology:	9W Power LEDs
Life Span of LEDs	Up to 100000 Hours
Minimum Autonomy	Up to 96 Hours when no charging
Minimum Charge Time	2 Hours
Flashing time	30 Flashes per Minute (It Can Be Changed According To Application)

Light Output

Color of the LED:	Red
Effective Intensity:	288 Candela
Horizontal Output:	360°

Solar Panel

Type:	Mono Crystalline PV Cell Arrays
Maximum Power:	10 W
Maximum Current:	590 mA

Battery

Type:	Nickel Metal Hybrid Sealed Lead Battery
Nominal Voltage:	12 Volts
Nominal Current:	7000 mA

Construction

Lens Material:	Fresnel Glass
Sealing:	Self-Contained unit, Sealed with O-Ring
Weight:	1,2 kg

Environmental

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

