

AV125 Series LED Obstruction Light

Typical Applications

- ▶ 12v Obstruction Light

Major Benefits

- ▶ 5.4km visible range (flashing standard AV125-1)
- ▶ 12v
- ▶ IP68 waterproof rating
- ▶ Multiple tiers for increased intensity
- ▶ Heat dissipating dome lens available for AV125-4 light
- ▶ Ultra-high intensity LEDs (no changing globes ever)



The AV125 is one of the most advanced LED aviation lights on the market. Utilising the latest software and microcircuitry developments, the light boasts a huge number of features including flash-memory and the most efficient power conversion available.

The tough polycarbonate lens is specifically designed for use with LEDs. The unit is sealed using polycarbonate bonding compounds similar to those used by major automobile manufacturing companies. This also enables a waterproof rating of IP68 - unmatched by other manufacturers.

Once installed, the AV125 requires no operator intervention. The flash characteristics are easily adjusted on-site by the user, and the light will automatically begin operation at dusk—once the ambient light threshold drops sufficiently.

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Total Turnkey Airport Solutions



AV125 obstruction lights mark wind turbines in Gippsland, Australia

AV125 Series LED Obstruction Light

Major Benefits

- ▶ Access lantern diagnostics remotely by SMS text message
- ▶ Programme functions remotely
- ▶ Flexible user set-up
- ▶ Access diagnostics & historical data via the web
- ▶ Pre-programmed alarm conditions automatically reported to designated cell phone numbers

Available Data from Remote Lantern

- ▶ Battery voltage
- ▶ Solar module charging current
- ▶ Lantern current draw
- ▶ Lantern position (Latitude & Longitude if GPS fitted)
- ▶ Day/Night On status
- ▶ Current flash setting
- ▶ Internal lantern PCB temperature: Normal / High



Up to 4 tiers of 36 LEDs are available to increase the light intensity of the AV125 unit. The AV125-2, AV125-3 and AV125-4 have 72, 108 and 144 LEDs respectively.

Each tier of LEDs utilises the omni-directional LED Reflector (US Pat.No. 6,667,582. AU Pat.No. 778,918) to increase the intensity and uniformity of the horizontal output.

Multiple focal points of the lens then create superior divergence specifications to suit regulations worldwide.

Remote monitoring and control capabilities are available from the AV125 light allowing the performance of the units to be monitored from remote sites.

Systems status including battery condition and operational confirmation may be monitored through GSM, radio or satellite communications.

The AV125-4 light utilises a unique heat-dissipating dome obstruction lens to achieve maximum LED intensity output over a wide range of environmental conditions.

Available with GSM Monitoring

Avilite Systems' AV125 Series of products are available with optional GSM Monitoring enabling operators to remotely monitor the status of their aviation installations, any time, anywhere. The system can also be configured to send out warning SMS text messages to designated cellular telephone numbers.

The GSM Monitoring System is a completely integrated module (housed internally within the light), designed to allow convenient monitoring of Avilite lanterns using a cellular telephone and web access from remote locations that have GSM network coverage. The unit has no external aerials—providing convenient installation and retaining the IP68 waterproof rating of the light.

To access the lantern diagnostics the user simply sends the lantern an SMS text message command and then receives an auto reply SMS text message outlining the details. In addition this information is accessible via the web—simply log in at any Avilite website and access immediate information about your aviation installation. Historical data is also available from the website.

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