# ICAO Type A & Type B Low Intensity Obstruction Light

**Standard Model** 















AV-OL Series Universal AC or Universal DC Single Light Fixture





**LED Optic** 

Low power consumption

Combined visual & infrared visibility for pilots using night vision (optional)

Small form factor, minimal wind loading

Tough UV-stabilized LEXAN® polycarbonate lens & light base

Easily installs to ¾ inch pipe thread Monitoring options available

## thread adaptor Features

Model shown with optional 1 inch pipe

Cost effective, energy efficient obstruction lighting solution

Available in universal DC: will accept between 12-48VDC

Available in universal AC: will accept between 110-240VAC

User-adjustable intensity to toggle between ICAO LIOL Type A (10cd) & LIOL Type B (32cd)

User-adjustable operation mode to toggle between dusk-till-dawn & 24hr operation

Alarm contact for remote monitoring

Light sensor for day/night operation

LED technology reduces maintenance time and costs

Easily retrofits with existing installations

Optional solar powered configurations available

Optional combined visual/IR for pilots

Optional RS422/485 communications port for monitoring & synchronisation of DC version

Available with optional GSM monitoring

#### **Applications**

Low Intensity Obstruction Light for marking top of obstacles that do not exceed 45 metres in height

#### **Certifications**

Low Intensity Type A & B Obstruction Light, ICAO Annex 14, Volume 1, Sixth Edition, July 2013, 'Aerodrome Design and Operations'

This Avlite light fixture is a steady burning, low intensity LED obstruction light designed to comply with ICAO LIOL Type A & Type B requirements. The model can be used for marking obstacles up to 45 metres above ground, such as telecommunication towers, wind turbines, buildings and other tall structures.

Avlite's LED obstruction lights offer an ultra bright, energy efficient and cost effective lighting solution. The light fixture is available in two configurations, universal DC (12-48VDC) or universal AC (110-240VAC).

The advanced light optic uses a single LED for minimal power consumption. The corrosion resistant, polycarbonate lens is specifically designed for use with LEDs to maximize light intensity and uniformity.

The light fixture incorporates internal diagnostic checking and an alarm contact for remote monitoring. The alarm relay is energised in normal operation and is released if there is an LED or power fault.

The unit is available with either a  $\frac{3}{4}$  or 1 inch thread type - making it simple to retrofit with existing installations.

The ICAO model has adjustable intensity settings to allow the user to easily toggle between 10cd (ICAO Type A) and 32cd (ICAO Type B) light intensities.

The obstruction light also has an adjustable operation mode setting to allow the user to easily toggle between dusk-till-dawn and 24 hour operation modes.

The obstruction light is also available with combined visual and infrared (IR) visibility for pilots using night vision.

### **Optional GSM Monitoring & Control**

The Avlite single obstruction light is available with GSM Cell-Phone Monitoring, enabling operators to remotely monitor the status of their installation. The system can also be configured to send out SMS text messages or e-mail alerts to designated operators should alarm conditions be triggered, such as low voltage or light failure.





Light Source

Available colours

Peak Intensity (cd)†

Intensity Adjustments

Horizontal Output (degrees) Vertical Divergence (degrees) Reflector Type

Operation Mode Adjustment

LED Life Expectancy (hours)

**Electrical Characteristics** 

Operating Voltage Power (W)

Circuit Protection Temperature Range

**Physical Characteristics** 

Body Material

Lens Material

Lens Diameter (mm/inches) Lens Design

Mounting

Height (mm/inches) Width (mm/inches) Depth (mm/inches)

Mass (kg/lbs) Product Life Expectancy

**Environmental Factors** 

Humidity Icing

Wind Speed

Certifications

Specifications subject

To change or

nonce

Intensity setting subject to solar availabilit Subject to standard terms and conditions

Quality Assurance ICAO

Waterproof

**Intellectual Property** 

Trademarks

Warranty \* **Options Available** 

AV-OL-ILAB-12-R (Type A & Type B) Red as standard. Other colours available on request, including IR Complies with ICAO LIOLA & LIOLB:

360

as per ICAO Type A/B specification Single LED Optic

User-adjustable between 10cd & 32cd

User-adjustable between dusk-till-dawn & 24 hour operation >100.000

12 - 48 VDC

ICAO LIOL Type A @ 10cd Steady-or with relay energised: Pmax = 0.9 ICAO LIOL Type B @ 32cd Steady-on with relay energised: Pmax = 2.16

Integrated

-40 to 80°C

LEXAN® Polycarbonate - UV

LEXAN® Polycarbonate – UV

 $100 / 3^7/8$ 

Single LED Optic

Standard Model: 3/4 inch pipe

Standard Model: 137 / 51/2

121 / 43/4

121 / 43/4  $0.4 / \frac{7}{8}$ 

12 years plus

0 to 100%, MIL-STD-810F 3.41kg per square cm /

48.5lbs per sauare inch Up to 240kph / 150mph

EN61000-6-3:2007 EN61000-6-1:2007

ISO9001:2008 Low Intensity Obstruction Light Type A & B - 2013

IP67

AVLITE® is a registered trademark of Avlite Systems

5 year warranty

- Variety of solar/battery
- variety of solar/bariety configurationsGSM Cell-Phone MonitoringDual visual/IR output
- IR LED
- RS422/485 communications port
- Threaded adaptor to fit one (1) inch pipe

AV-OL-ILAB-UM-R (Type A & Type B) Red as standard. Other colours available on request, including IR Complies with ICAO LIOLA & LIOLB:

360

as per ICAO Type A/B specification Single LED Optic

User-adjustable between 10cd & 32cd

User-adjustable between dusk-till-dawn & 24 hour operation >100.000

110 - 240 VAC

ICAO LIOL Type A @ 10cd Steady-or with relay energised: Pmax = 1.2 ICAO LIOL Type B @ 32cd Steady-on with relay energised: Pmax = 4 Smax = 10.6VA

Integrated

-40 to 80°C

LEXAN® Polycarbonate - UV stabilized

LEXAN® Polycarbonate – UV

100 / 3<sup>7</sup>/8

Single LED Optic

Standard Model: ¾ inch pipe

Standard Model: 137 / 51/2

121 / 43/4

121 / 4¾

 $0.4 / \frac{7}{8}$ 

12 years plus

0 to 100%, MIL-STD-810F 3.41kg per square cm /

48.5lbs per sauare inch Up to 240kph / 150mph

EN61000-6-3:2007 EN61000-6-1:2007

ISO9001:2008 Low Intensity Obstruction Light Type A & B - 2013

IP67

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5 year warranty

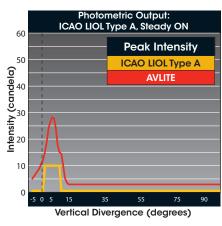
- GSM Cell-Phone MonitoringDual visual/IR output

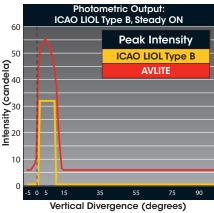
**USA** 

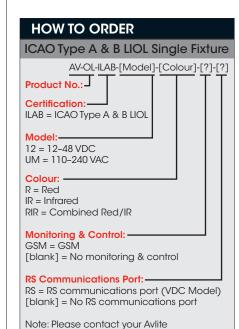
t: +1 (603) 737 1310

- IR LED
- Threaded adaptor to fit one (1)

inch pipe

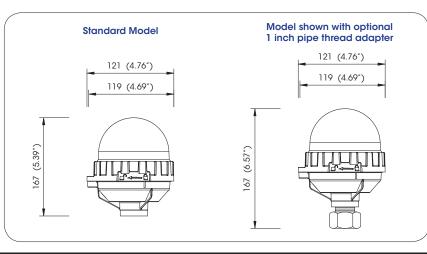






representative for optional power supply

solutions





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