

# Obstruction Light Kit

FAA A-0

Optional



GSM

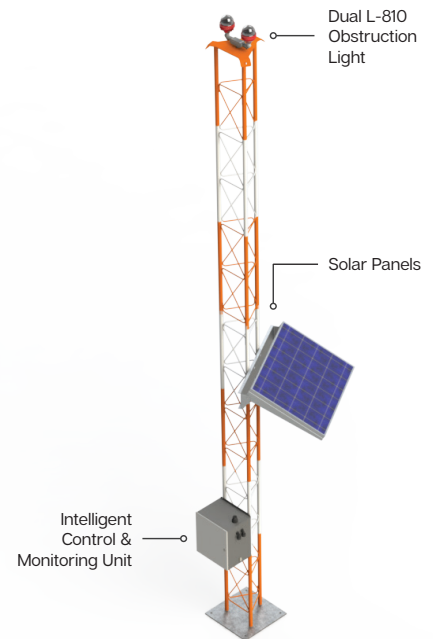


The Avlite FAA A-0 Obstruction Lighting kit is a full turnkey solution for A-0 defined structures up to 150 feet. Comprising of a dual L-810 obstruction light with integral photocell, all necessary junction boxes and an Intelligent Control and Monitoring Unit. The Control and Monitoring Unit automatically monitors the obstruction lighting and allows for both local and remote display of information and alarms. The kit is FAA certified and designed as a turnkey package for ease of installation, maintenance and monitoring.

The FAA AC 70/7460-1L mandates visual inspection of obstruction lights once every 24 hours either manually or automatically. The A-0's Obstruction Kit's monitoring capabilities include dry contacts for interface with owner furnished monitoring equipment or GSM monitoring that reports to a user-accessible portal.

The A-0 obstruction solution is available in two input power configurations, universal AC (110-240AC) or 12-48V DC (solar compatible)

The system is designed for noise (electromagnetic emissions) immunity, is rated to a minimum of IP65, is capable of continuous operation between temps of -40°C and +55°C and able to withstand wind speeds of up to 240km/h.



## Features

- LED Optic
- Small form factor, minimal wind loading
- 3/4 inch pipe thread mount
- FAA EB 98 Compliant
- LED technology
- Alarm contact for remote monitoring

## Cost Effective

- Low power consumption
- Low maintenance costs

## Reliable

- 5 year warranty

## High Performance

- Tough UV-stabilised LEXAN® polycarbonate lens & light base
- Local and remote display of information and alarms

## Easy Install

- turn-key package with single supplier for products

## Optional

- Combined visual/IR for pilots
- GSM monitoring

## Compliance

- FAA Engineering Brief No. 67D
- EB 98, EB 67D, AC 70/7460-1L

## Applications


- Low Intensity Obstruction Light for marking top of obstacles that do not exceed 150 feet (46 metres) in height

## Certifications

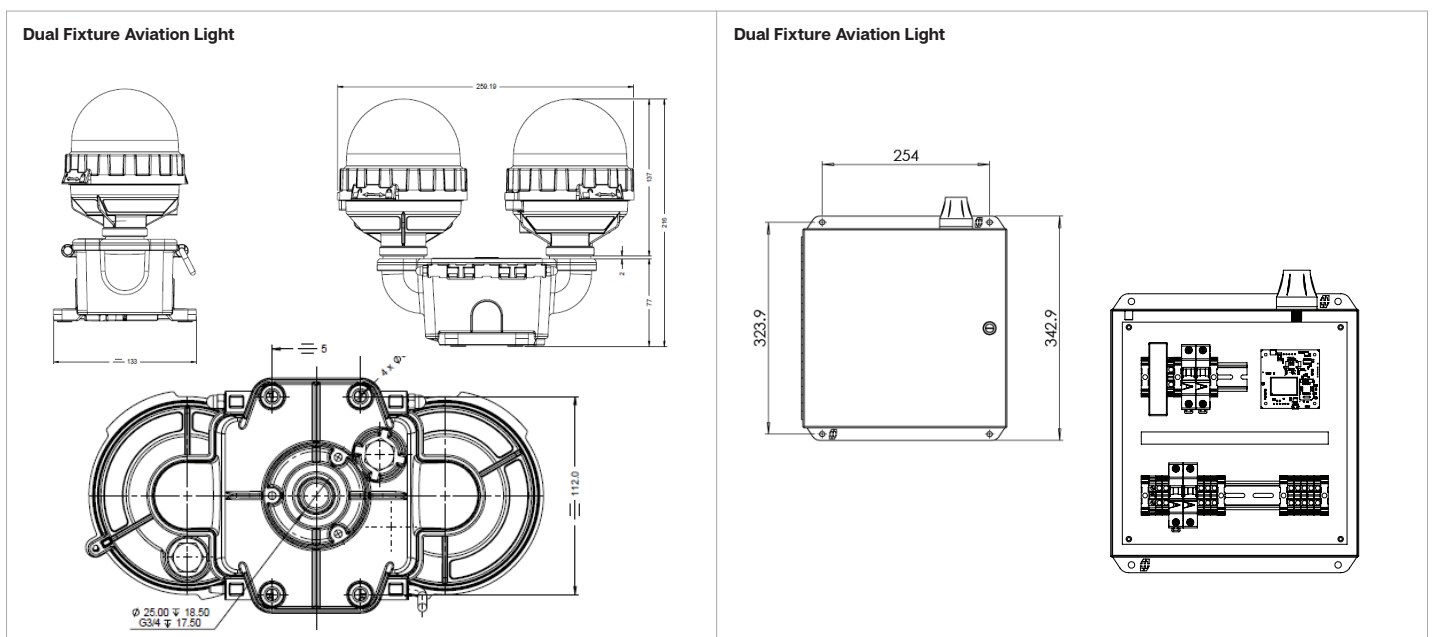
- FAA L-810 Low Intensity Obstruction Light
- FAA AC 150/5345-43H
- DGAC L-810, Low Intensity Obstruction Light

## Technical Specifications \*

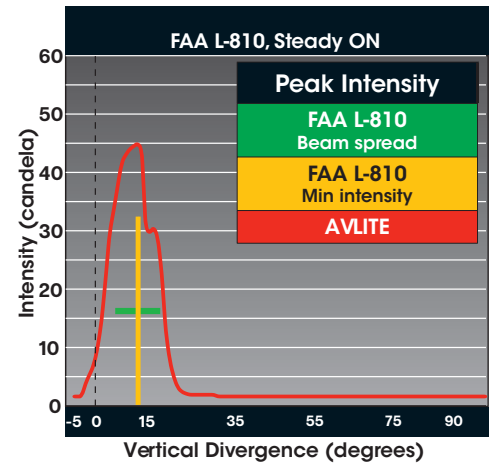
Light Characteristics	
Light source	LED
Color	Red & IR Compatible with EB98
Operation mode	User-adjustable between dusk-till-dawn & 24 hour operation
Electrical Characteristics	
Input voltage	100-264VAC
Input current	0.55A
Input frequency	50 / 60 HZ
Light Fixture	
Body and Lens Material	UV stabilized LEXAN® Polycarbonate
Mounting	3/4-inch NPT Pipe Thread (standard)
Height (mm/inches)	272 / 10 3/4
Width (mm/inches)	481 / 19
Depth (mm/inches)	121 / 4 3/4
Mass (kg/lbs)	2.3 / 5
Product Life Expectancy	12 years
Waterproof	IP68
Humidity	0 to 100%, MIL-STD-810F
Icing	3.41kg per square cm / 48.5lbs per square inch
L-810(F)	Up to 240kph / 150mph
Control Enclosure	
Height (mm/inches)	305 / 12
Width (mm/inches)	305 / 12
Depth (mm/inches)	152 / 6
Mass (kg/lbs)	7.3 / 16
Rating	NEMA 4 Compliant
Certifications	
FAA, DGAC	L-810 Low Intensity Obstruction Light (Qualified by Intertek)
Quality Assurance	ISO9001:2015
CE	EN61000-6-3:2007, EN61000-6-1:2007
FAA Compliance	EB 98, EB 67D, AC 70/7460-IL
Warranty*	
Options Available	5 years-Light/3 years-Control Box • GSM Cell-Phone Monitoring • Dual visual/IR or IR only output • IR LED
Intellectual Property	
Trademarks	AVLITE® is a registered trademark of Avlite Systems


 • Specifications subject to change or variation without notice  
 \* Subject to standard terms and conditions  
 † Intensity setting subject to solar availability

## Technical Illustrations



## Photometric Output



## How to Order Low Intensity FAA A-0 Obstruction Lighting System

AV-OL - A0 - [Model] - [?] - [?]

**Product No.:** \_\_\_\_\_  
**Style:** \_\_\_\_\_  
**Model:**  
 DC = 12-48 VDC  
 UM = 110-240 VAC  
**Color:** \_\_\_\_\_  
 R = Red  
 RIR = Combined Red/IR  
**Monitoring & Control:** \_\_\_\_\_  
 0 = Dry Contact Alarm Outputs  
 1 = GSM Monitoring