

Obstruction Kit Solution

FAA A-1

Optional



Solar system



GSM

Central Control Box

L-864 Medium Intensity
Obstruction Light

L-810(F) Obstruction Lights



The Avlite FAA A-1 Obstruction Lighting kit is a full turnkey solution for A-1 defined structures between 150 and 350 feet. Consisting of 1 x L-864 Medium Intensity obstruction light, 3 x L-810(F) obstruction lights, all necessary junction boxes and a central controller. The A-1 obstruction solution is available in two input power configurations, universal AC (85-264VAC) or 24V DC (solar compatible)

Utilizing a centralized controller with dispersed light fixtures in accordance with the specific tower configuration, the kit is FAA certified and designed for ease of installation, maintenance and monitoring.

The FAA A-1 Kit solution integrates Avlite's world class LED fixtures with an application specific control and monitoring system to provide a complete turn-key package suitable for any A-1 designated asset.

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

- Designed for noise immunity
- Capable of continuous operation
- AC-DC (solar compatible)
- External and remote monitoring capabilities via GSM or Satcom
- Photocell override for testing & maintenance purposes

Cost Effective

- Full turn-key solution including all hardware & software
- Single supplier product
- Low maintenance costs

High Performance

- Unique polycarbonate lens to maximise light intensity
- Versatile and comprehensive monitoring interfaces to suit site and customer specific needs

Easy Install

- Lightweight and convenient
- Various installation configurations
- Integrated GPS synchronisation

Reliable

- 5 year warranty

Optional

- Add on solar system sized to your region
- Mounts & cables

Applications


- A-1 tower configurations

Compliance

- FAA AC 70/7460-1L
- FAA AC150/5345-43H

Technical Specifications *

	AC Variant	DC Variant
Electrical Characteristics		
Input Voltage	85-264VAC	18-36VDC
Input Frequency	47-63Hz	N/A
Power Consumption		
Peak	80W	70W
Avg	7.5W	6.5W
Physical Characteristics		
Dimensions		
L-864	H 151mm/6in W 230mm/9in D 230mm/9in Wt 5.5kg/12¼lb	
L-810(F)	H 272mm/10¾in W 481mm/19in D 121mm/4¾in Wt 0.4kg/1lb	
Controller	H 400mm /15¾in W 600mm/23¾in D 200mm /7¾in	
Mounting		
L-864	200mm bolt pattern	
L-810(F)	3/4 inch pipe thread	
Controller	Wall mounted (mounting accessories available)	
Certifications		
CE	EN61000-6-3:2007, EN61000-6-1:2007	
QA	ISO9001:2015	
FAA, DGAC	AC 150/5345-43H, EB67D	
Protection Rating	Controller: IP65/NEMA4X Lights: IP68	
Intellectual Property		
Trademarks	AVLITE® is a registered trademark of Avlite Systems	AVLITE® is a registered trademark of Avlite Systems

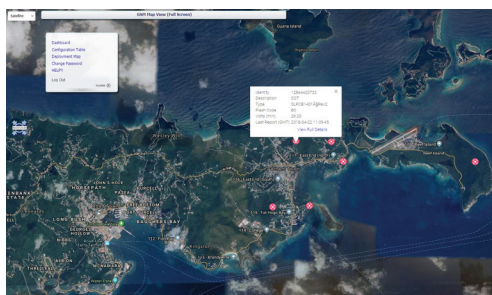

 • Specifications subject to change or variation without notice
 * Subject to standard terms and conditions
 † Intensity setting subject to solar availability

How to Order FAA A-1 Kit Solution

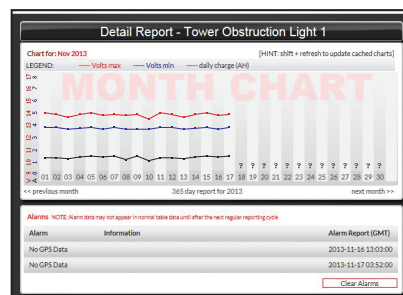
Product No.: _____ [AV-OL-KT-A1-[Input]-[Monitoring]]
Input:
 DC = 24 VDC
 UM = 85-264 VAC
Monitoring:
 GSM = GSM Monitoring
 SAT = SATCOM Monitoring
 [blank] = Hardwired monitoring only

Optional GSM Monitoring

GPS positioning of GSM via internet mapping system



Monitor GSM via secure website user-login portal



Technical Illustrations

Central Controller
Note: Does not include mounting hardware.

Universal Beacon Mounting Bracket
Note: Includes mounting hardware.

Universal Marker Mounting Bracket
Note: Includes hardware.

