

Obstruction Kit Solution

ICAO I-2

Optional



Add on solar system



Monitoring



Cable Kit



Mounting Accessories



Additional LI fixtures



The Avlite ICAO I-2 Obstruction Lighting kit is a full turnkey solution for I-2 structures between 45 and 106 metres above ground. The kit consists of 1 x Red Medium Intensity Obstruction Light, 3 x Low Intensity (LI) Obstruction Lights, all necessary junction boxes and a central control unit. The I-2 Obstruction Kit is available in universal AC or DC input power configurations.

Utilising a Control Unit with dispersed light fixtures in accordance with the specific tower configuration, the kit is designed for ease of installation and maintenance, and meets the requirements of ICAO Annex 14, Volume 1, Sixth Edition, July 2013.

The I-2 Obstruction Kit monitoring capabilities include dry contacts for interface with owner furnished monitoring equipment or GSM or SATCOM monitoring that reports to a user-accessible portal, Star2M®.

The complete system is designed to be immune to high voltage EMI (electromagnetic emissions), is waterproof rated to a minimum of IP65, and capable of continuous operation between temperatures of -40°C and +55°C.

Features

- External and remote monitoring capabilities via GSM or SATCOM
- Photocell override for testing and maintenance purposes
- Designed for optimised cabling, mounting and installation



💰 Cost Effective

- All in one kit solution
- Single supplier product

⚙️ Easy to Install

- Lightweight and convenient
- Optimised cabling for reduced installation time

✈️ Applications

- I-2 tower configurations for structures from 45 to 106 metres AGL

📋 Compliance

- ICAO Annex 14, Volume 1, Sixth Edition, July 2013

✓ Reliable

- 5 year warranty on light fixtures
- 3 year warranty on Control unit and Junction Boxes

📦 Optional Add Ons

- Add on standalone solar system sized to region
- Additional Low Intensity fixture
- Mounting Brackets
- Cable Kit for 106 metre structure
- Star2M remote monitoring integration via GSM or SATCOM

Technical Specifications*

ICAO I-2 Obstruction Kit		AC	DC	
Electrical Characteristics				
Input Voltage	90-264VAC		24-48VDC	
Input Frequency	50/60 Hz		N/A	
Power Consumption				
Peak	84VA		70W	
Average	Night: 15VA		Night: 12.5W	
Physical Characteristics				
Dimensions	Height (inches/mm)	Width (inches/mm)	Length (inches/mm)	Mass (lbs./kg)
MI (IMB or IMC)	6 / 151	9 / 230	6.75 / 171	12.3 / 5.5
LI Single Fixture	5.4 / 137	4.75 / 121	3.875 / 100	0.881 / 0.4
Control Unit	23.9 / 600	15.8 / 400	7.9 / 200	63 / 28.5
Top Junction Box	4.86 / 123	8.68 / 221	7.74 / 197	7.05 / 3.2
Middle Junction Box	4.78 / 121	10.32 / 262	11.77 / 299	9.92 / 4.5
Mounting				
MI (IMB or IMC)	200mm bolt pattern			
LI Single Fixture	¾ inch pipe thread			
Control Unit	Wall mounted (mounting accessories available)			
Top Junction Box	Mounting accessories available			
Middle Junction Box	Mounting accessories available			
Certifications and Compliance				
CE	EN61000-6-3:2007, EN61000-6-1:2007			
Quality Assurance	ISO9001:2015			
Protection Rating	Junction and Control Box: IP65/NEMA4X Lights: IP67			
ICAO	Medium Intensity Type A, Type B and Type C Obstruction Light, ICAO Annex 14, Volume 1, Sixth Edition, July 2013, 'Aerodrome Design and Operations'			
Intellectual Property				
Trademarks	AVLITE® is a registered trademark of Avlite Systems			
Warranty *	5 year warranty on light fixtures 3 year warranty on Control Unit and Junction Boxes			
Options Available	• Cable Kit suitable for 106 metre structures • Mounting Brackets for MI and LI fixtures			

* Calculated using Medium Intensity IMB and LI Type B lights.

+ Please refer to the individual light installation manuals for further specifications

Star2M - Monitoring option available

GPS positioning via internet mapping system



How to Order ICAO I-2 Kit Obstruction Solution

AV-OL-KT-I2 - [?] - [?]

Product No.: _____

Input: _____

DC = VDC

UM = VAC

Monitoring: _____

00 = No Options

01 = Satellite Monitoring

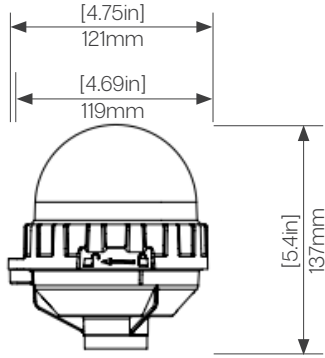
02 = GSM Monitoring



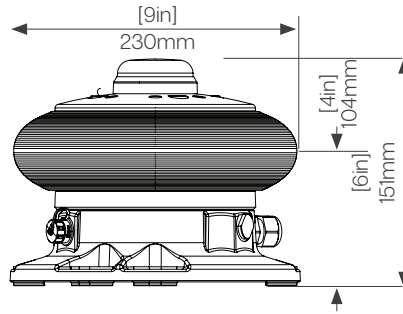
* Specifications subject to change or variation without notice
* Subject to standard terms and conditions

Technical Illustrations

Low Intensity Obstruction Light

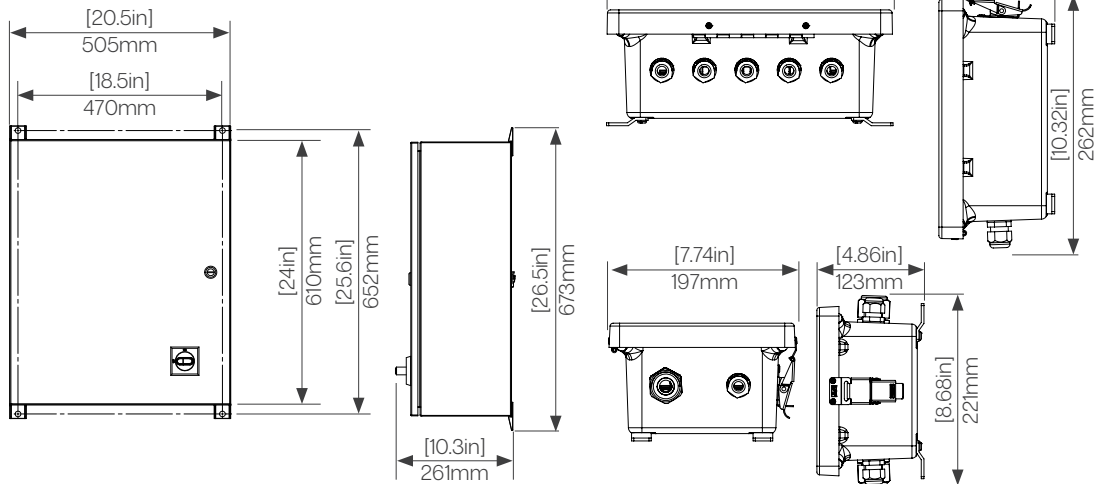


Medium Intensity Obstruction Light



Control Unit and Junction Boxes

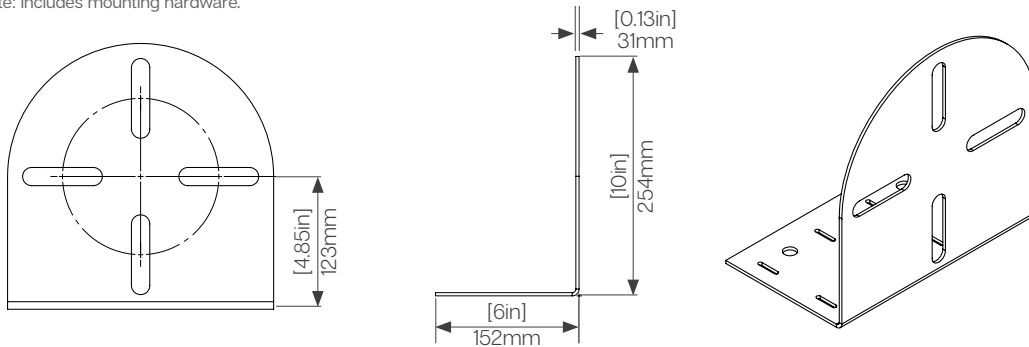
Note: Mounting hardware not included.



Optional Universal Mounting Bracket for Medium Intensity

Note: Includes mounting hardware.

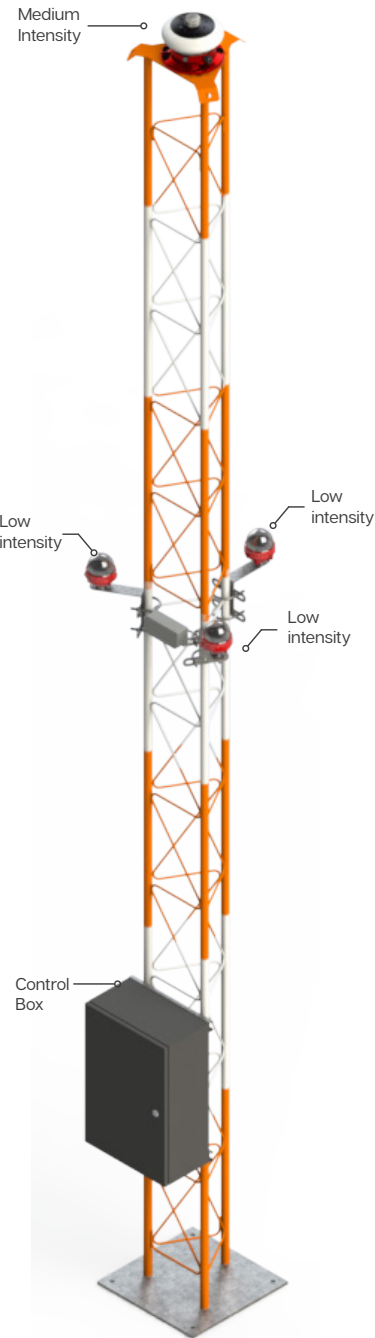
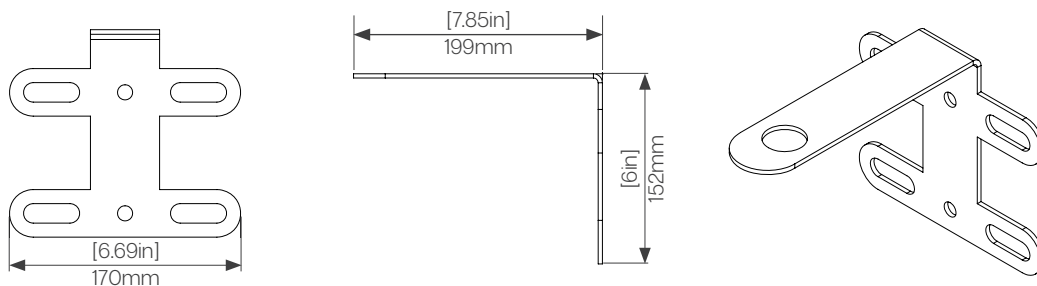
Part No: AV-ACC-MA-08



Optional Universal Mounting Bracket for Low Intensity

Note: Includes mounting hardware.

Part No: AV-ACC-MA-07



Note:

- Optional Cable Kit available for 106 metre structure. Cable sold separately.