This Avlite light fixture is a combined medium intensity LED obstruction light designed to comply with FAA L-864, L-865, L-885 & L-866 as well as ICAO MIOL Type A, Type B and Type C requirements for day/night marking of obstacles. The model can be used for marking a variety of obstacles 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 as either a stand-alone fixture or part of turn-key obstruction lighting package.

The advanced light optic uses multiple high intensity LEDs for efficient operation. The corrosion resistant, acrylic 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 energized in normal operation and is released if there is an LED or power fault.

**GPS Synchronisation**
Avlite has utilized the latest advancements in GPS technology to develop an internal synchronisation system that can be incorporated into the lights. Using overhead satellites, multiple obstruction lights set to the same flash pattern will flash in unison.

**Complete Obstruction Solutions Available**
The CMI fixture is available as part of complete turn-key obstruction lighting systems which also includes all required low intensity lights, junction boxes and mounting hardware. Our complete obstruction light solutions also include a central controller and can be supplemented with a variety of add-on power supply units and solar system options.

### Features
- Available as a standalone DC fixture or part of a complete obstruction lighting solution
- Alarm contact for remote monitoring
- Integrated light sensor for day/night operation
- LED technology

### High Performance
- Corrosion resistant acrylic lens
- Internal diagnostic checking
- GPS synchronisation
- IR programmer

### Applications
- Medium Intensity Obstruction Light for marking obstacles
- Telecommunication towers
- Wind Turbines
- Buildings & tall structures

### Cost Effective
- Low power consumption
- Energy efficient lighting solution

### Optional
- GSM monitoring & control
- Solar power configurations

### Compliance
- FAA Engineering Brief No. 67D
- Transport Canada, CAR 2015-2, Standard 621
- Medium Intensity Type A, Type B & Type C Obstruction Light, ICAO Annex 14, Volume 1

### Certifications
- FAA L-864, L-865, L-885 & L-866 Medium Intensity Obstruction Light, FAA AC 150/5345-43H
Technical Specifications

**Combined Medium Intensity Obstruction Light**

**36-48 VDC**

### Light Characteristics
- **Available colours**: White during day, Red at night as Standard
- **Effective Intensity [cd]**:
  - L-865 (day & twilight): 20000cd
  - L-865 (night): 2000cd
  - L-864 (night): 1500cd
  - L-866 (night): 2000cd
  - L-885 (night): 2000cd
  - ICAO MIOL Type A (day & twilight): 20000cd
  - ICAO MIOL Type A (night): 2000cd
  - ICAO MIOL Type B (night): 2000cd
  - ICAO MIOL Type C (night): 2000cd

### Electrical Characteristics
- **Operating Voltage**: 36 – 48 VDC
- **Power (Average Flashing)**:
  - L-865: 30W (white: day & twilight)
  - L-865: 5W (white: night)
  - L-864: 4W (red: night)
  - L-866: 43W (white: day & twilight)
  - L-866: 7.6W (white: night)
  - L-885: 8W (red: night)
  - ICAO MIOL Type A (day): 40W
  - ICAO MIOL Type A (night): 5W
  - ICAO MIOL Type B (night): 4.5W
  - ICAO MIOL Type C (night): 3.5W
- **Power (Peak)**:
  - White (L-865,L-866, ICAO MIOL Type A): 480W
  - Red (L-864,L-885, ICAO MIOL Type B & C): 42W
- **Circuit Protection**: Integrated
- **Operating Temperature**: -40 to 55°C
- **Storage Temperature**: -55 to 55°C

### Physical Characteristics
- **Body Material**: Premium enamel painted coating
- **Lens Material**: Impact - modified UV stabilized acrylic
- **Lens Diameter (mm/inches)**: 171 / 6¾
- **Lens Design**: Multi LED Optic
- **Mounting**: 200mm bolt pattern
- **Height (mm/inches)**: 209 / 8¼
- **Width (mm/inches)**: 296 / 11¾
- **Mass (kg/lbs)**: 9.7 / 21½
- **Product Life Expectancy**: 12 years plus

### Environmental Factors
- **Humidity**: 0 to 100%
- **Icing**: 3.4kg per square cm / 48.5lbs per square inch
- **Wind Speed**: Up to 240kph / 150mph

### Certifications & Compliance
- **CE**: EN61000-6-3:2007, EN61000-6-1:2007
- **Quality Assurance**: ISO9001:2015
- **FAA**: FAA L-864, L-865, L-866 Medium Intensity Obstruction Light, FAA AC 150/5345-43H
- **Transport Canada**: CL-864, CL-865, CL-885, CL-866, Canadian Aviation Regulations 2015-2, Standard 621 - Obstruction Marking and Lighting, March 2016 Appendix B
- **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' 968

### Intellectual Property
- **Trademarks**: AVLITE® is a registered trademark of Avlite Systems
- **Warranty**: 5 year warranty
- **Options Available**:
  - Variety of solar/battery configurations
  - GSM Cell-Phone Monitoring

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**How to Order CMI**

**Product No.**:

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Note: Please contact your Avlite representative for optional power supply solutions

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**FAA Monitoring Requirement**

The FAA states that 'conspicuity is achieved only when all recommended lights are working' and 'any outage should be corrected as soon as possible'.

The operational status of all lights should be confirmed at least once every 24 hours. If a structure is not easily inspected by visual observation, an automatic monitoring system should be used.

Avlite has a selection of automatic monitoring systems available for use with their obstruction light range to comply with FAA requirements.