

FAA L-864 Medium Intensity Obstruction Light



AV-OL Series Universal AC or Universal DC Light Fixture



LED Optic

Low power consumption

In-built control & monitoring options

Impact modified UV-stabilized acrylic lens

Lightweight

Small form factor

Features

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

Alarm contact for remote monitoring

Light sensor for day/night operation

LED technology reduces maintenance time & costs

Provision for external hardware synchronisation

Optional solar powered configurations available

Optional onboard GPS receiver for synchronisation

Optional GSM monitoring

Optional general purpose I/O with galvanic isolation

Optional RS422/485 communications port for monitoring & synchronization

This Avlite medium intensity LED obstruction light is certified to the FAA L-864 Medium Intensity Obstruction Lighting advisory circular. The light is used to mark obstacles such as telecommunication and utility towers, wind turbines, cranes, 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 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.

Optional RS422/RS485 Monitoring

The Avlite L-864 obstruction light is available with RS422/485 monitoring functionality, enabling operators to monitor the status of the unit in real-time. The system tracks critical application specific parameters including alarm status, LED status, operation mode, intensity, flash code and source voltage.

Optional 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.



LED lens



IR Remote Programmer



Heavy duty, cast aluminium base

Applications

Medium Intensity Obstruction Light for marking obstacles from 150 feet

Certifications

FAA L-864 Medium Intensity Obstruction Light, FAA AC 150/5345-43G

DGAC L-864, Medium Intensity Obstruction Light

Compliance

FAA Engineering Brief No. 67D



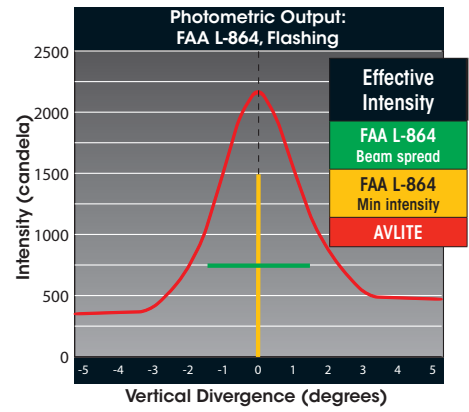
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SPECIFICATIONS * *		FAA L-864 MIOL
	12-48 VDC	110-240 VAC
Light Characteristics		
Available colors	Red as standard. Other colors available on request	Red as standard. Other colors available on request
Effective Intensity (cd) †	2000cd ± 25%	2000cd ± 25%
Horizontal Output (degrees)	360	360
Vertical Divergence (degrees)	3°	3°
Available Flash Characteristics	0.5s ON, 2.5s OFF - 16.6% duty cycle	0.5s ON, 2.5s OFF - 16.6% duty cycle
Electrical Characteristics		
Operating Voltage	12 - 48 VDC	110 - 240 VAC 50/60Hz
Power (Average Flashing)	6W	Pmax: 6W, Smax: 8VA
Power (Peak)	36W	Pmax: 36W, Smax 48VA
Circuit Protection	Integrated	Integrated
Temperature Range	-40 to 80°C	-40 to 80°C
Physical Characteristics		
Body Material	7-stage powder-coated aluminium	7-stage powder-coated aluminium
Lens Material	Impact modified UV stabilized acrylic	Impact modified UV stabilized acrylic
Lens Diameter (mm/inches)	171 / 6¾	171 / 6¾
Lens Design	Multi LED Optic	Multi LED Optic
Mounting	200mm bolt pattern	200mm bolt pattern
Height (mm/inches)	151 / 6	151 / 6
Width (mm/inches)	230 / 9	230 / 9
Depth (mm/inches)	230 / 9	230 / 9
Mass (kg/lbs)	5.5 / 12¼	5.8 / 12¾
Product Life Expectancy	12 years plus	12 years plus
Environmental Factors		
Humidity	0 to 100%, MIL-STD-810F	0 to 100%, MIL-STD-810F
Icing	3.41kg per square cm / 48.5lbs per square inch	3.41kg per square cm / 48.5lbs per square inch
Wind Speed	Up to 240kph / 150mph	Up to 240kph / 150mph
Certifications		
CE	EN61000-6-3:2007 EN61000-6-1:2007	EN61000-6-3:2007 EN61000-6-1:2007
Quality Assurance	ISO9001:2008	ISO9001:2008
FAA, DGAC.	L-864 Medium Intensity Obstruction Light (Qualified by Intertek)	L-864 Medium Intensity Obstruction Light (Qualified by Intertek)
Waterproof	IP68	IP68
Intellectual Property		
Trademarks	AVLITE® is a registered trademark of Avlite Systems	AVLITE® is a registered trademark of Avlite Systems
Warranty *	5 year warranty	5 year warranty
Options Available	<ul style="list-style-type: none"> Variety of solar/battery configurations GSM Cell-Phone Monitoring GPS Synchronisation RS422/485 communications port 	<ul style="list-style-type: none"> GSM Cell-Phone Monitoring GPS Synchronisation RS422/485 communications port

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



HOW TO ORDER

FAA L-864 MIOL

AV-OL-FL864-[Model]-R-[?]-[?]

Product No.: _____

Certification: FL864 = FAA L-864 MIOL

Model:
 12 = 12-48 VDC
 UM = 110-240 VAC

Color:
 R = Red

Monitoring & Control:
 GSM = GSM
 GPS = GPS Synchronisation
 [blank] = No monitoring & control

RS Communications Port:
 RS = RS communications port
 [blank] = No RS communications port

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

HOW TO ORDER

Solar Power Supply

AV-PS-110-140-01

Product No.: _____

Battery Capacity:
 110 = 110 Ah

Solar Output:
 140 = 140 watts

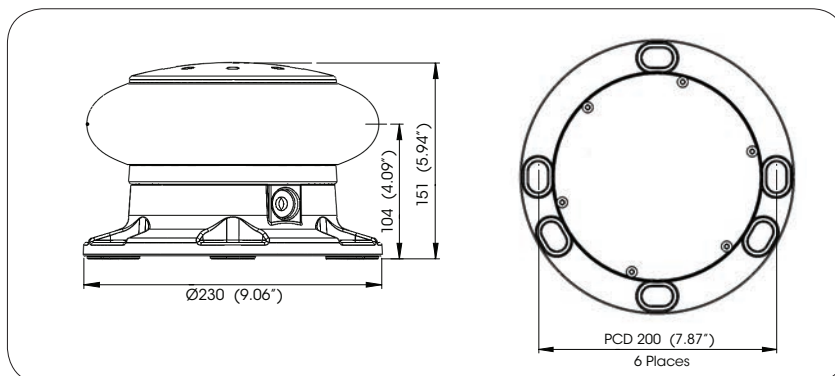
Mount Type:
 01 = post mount

Optional GSM Monitoring & Control

The Avlite 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.

IR Remote Control

The IR remote is used to communicate with Avlite lighting products that have an IR sensor fitted. The remote control is used to control functions such as operation mode (dusk-till-dawn or always-on) and the lux levels (lux settings for dusk and dawn).



i 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.

