FAA L-864 Medium Intensity Obstruction Light

AV-OL Series Universal AC or Universal DC Light Fixture

Intertek

Features

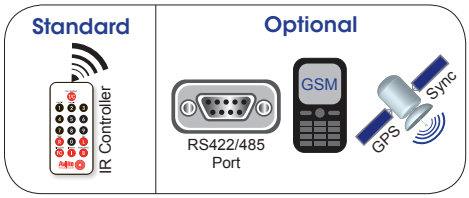
- Cost effective, energy efficient obstruction lighting solution
- Available in universal DC: will accept between 12–48VDC
- Available in universal AC: will accept between 110–240VAC
- Alarm contact for remote monitoring
- Light sensor for day/night operation
- LED technology reduces maintenance time and costs
- Provision for external hardwire 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

Applications

- Medium Intensity Obstruction Light for marking obstacles

Certifications

- FAA L-864 Medium Intensity Obstruction Light, FAA AC 150/5345-43G and FAA EB67D

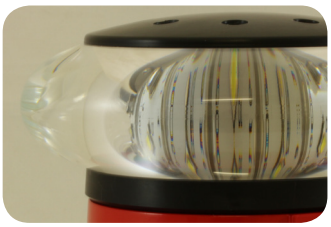


This Avlite medium intensity LED obstruction light is certified to the FAA L-864 Medium Intensity Obstruction Lighting advisory circular. The light is used to mark obstacles such as telecommunication and utility towers, wind turbines, cranes, buildings and other tall structures.

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 energised in normal operation and is released if there is an LED or power fault.


LED lens

IR Remote Programmer


Heavy duty, cast aluminium base

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.

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.

Avlite®
www.avlite.com

Avlite Systems
AUSTRALIA
t: +61 (0)3 5977 6128

USA
t: +1 (603) 737 1310

w: **www.avlite.com**
e: **info@avlite.com**

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FAA L-864 Medium Intensity Obstruction Light

AV-OL Series Universal AC or Universal DC Light Fixture

SPECIFICATIONS • *	12–48 VDC	110–240VAC
	AV-OL-FL864-12-R	AV-OL-FL864-UM-R
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 – 240VAC 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
Mass (kg/lbs)	5.5 / 12¼	5.8 / 12¾
Product Life Expectancy	Up to 12 years	Up to 12 years
Environmental Factors		
Humidity	0 to 100%, MIL-STD-810F	0 to 100%, MIL-STD-810F
Icing	22kg per square inch	22kg per square inch
Wind Speed	Up to 240kph	Up to 240kph
Certifications		
CE	EN61000-6-3:1997. EN61000-6-1:1997	EN61000-6-3:1997. EN61000-6-1:1997
Quality Assurance	ISO9001:2008	ISO9001:2008
Waterproof	IP67	IP67
Intellectual Property		
Trademarks	AVLITE® is a registered trademark of Avlite Systems	AVLITE® is a registered trademark of Avlite Systems
Warranty *	4 year warranty	4 year warranty
Options Available	• Variety of solar/battery configurations • GSM Cell-Phone Monitoring • GPS Synchronisation • RS422/485 communications port	• GSM Cell-Phone Monitoring • GPS Synchronisation • RS422/485 communications port

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

CE

HOW TO ORDER

FAA L-864 Compliant MIOL

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

Product No.:

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

Color:
R = Red

Monitoring & Control:
GSM = GSM Monitoring
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.:

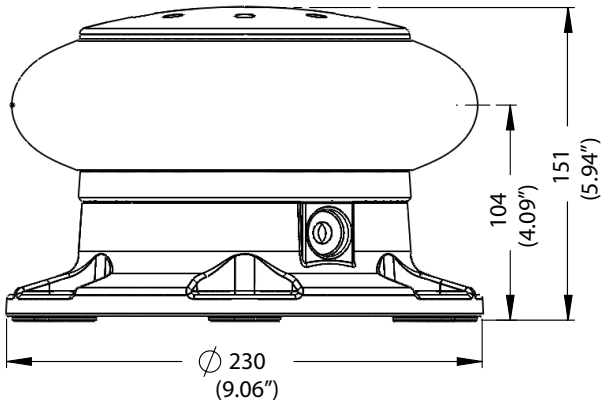
Battery Capacity:
110 = 110 Ah

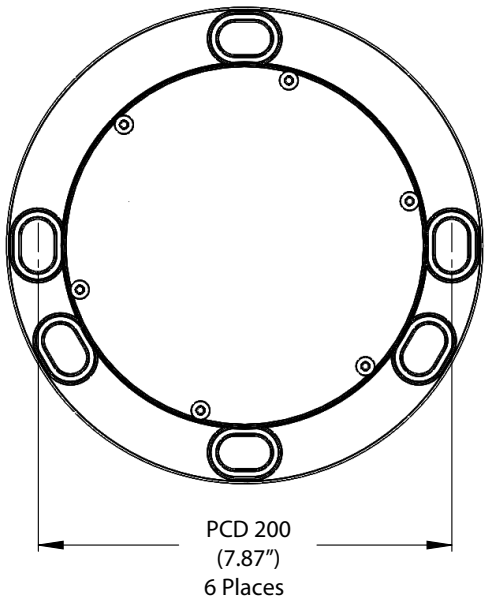
Solar Output:
140 = 140 watts

Mount Type:
01 = post mount

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).





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AUSTRALIA
t: +61 (0)3 5977 6128

USA
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e: **info@avlite.com**

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