Solar Obstruction Light

AV-OL-70 & AV-OL-70-HI

Optional

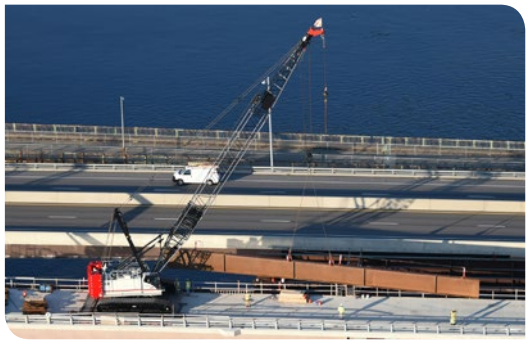
GPS Sync

IR Controller

The AV-OL-70 is a field proven, low maintenance, self-contained solar LED light that is suitable for a variety of applications including general hazard, caution, barricade and low-intensity obstruction lighting.

Manufactured using the latest in LED technology, the popular AV-OL-70 model boasts user-adjustable intensity and flash code settings that can be easily modified in the field as required. Once activated, the light is ready for immediate operation and requires no operator intervention after installation.

Utilizing the two in-built, high performance solar modules to charge the battery during daylight hours and the internal photo diode to detect ambient light, the AV-OL-70 achieves true self-sufficient dusk-till-dawn operation in a small form factor environmentally sealed package that can be installed in minutes.



AV-OL-70-HI

The AV-OL-70-HI comes with a 16Ah battery for challenging solar environments.

Optional ON/OFF Switch

This model can be fitted with an optional, external ON/OFF switch for manual operation.

High Performance

- Dual internal high-performance solar modules angled to maximize solar collection

Reliable

- IP68 waterproof rating
- Tough UV-stabilised LEXAN® polycarbonate lens and light base
- Automatic night activation

Easy Install

- User-replaceable battery
- Fast & easy to deploy – no programming

Optional Add Ons

- GPS Flash Sync

Cost Effective

- Integrated solar/battery system

Compliance

- FAA AC150/5370-2F for construction and barricade installations

Applications

- Temporary Obstruction Lighting
- Barricade Lighting

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Technical Specifications *†

	AV-OL-70	AV-OL-70-HI
Light Characteristics		
Light Source	1 LED	1 LED
Available colors	Red as standard. Other colors available on request, including IR	Red as standard. Other colors available on request, including IR
Peak Intensity (cd)†	10	10
Horizontal Output (degrees)	360	360
Available Flash Characteristics	>250 including steady-on (user-adjustable)	>250 including steady-on (user-adjustable)
Intensity Adjustments	Low: 25% Medium: 50% High: 100%	Low: 25% Medium: 50% High: 100%
LED Life Expectancy (hours)	>100,000	>100,000
Electrical Characteristics		
Operating Voltage (V)	3.6	3.6
Power (W)	@ 100% intensity: 0.2W	@ 100% intensity: 0.2W
Temperature Range	-40 to 55°C	-40 to 55°C
Solar Characteristics		
Solar Module Type	Monocrystalline	Monocrystalline
Output (watts)	2.8 (2 x 1.4watt)	2.8 (2 x 1.4watt)
Charging Regulation	Microprocessor controlled	Microprocessor controlled
Power Supply		
Battery Type	High grade NiMH – Environmentally friendly	High grade NiMH – Environmentally friendly
Battery Capacity (Ah)	8.6	17.2
Nominal Voltage (V)	3.6	3.6
Autonomy (nights)	Steady-on: 12 nights	Steady-on: 16Ah = 24 nights
Physical Characteristics		
Body Material	LEXAN® Polycarbonate – UV stabilized	LEXAN® Polycarbonate – UV stabilized
Lens Material	LEXAN® Polycarbonate – UV stabilized	LEXAN® Polycarbonate – UV stabilized
Lens Diameter (mm/inches)	140 / 5½	140 / 5½
Lens Design	External optics with interior flute design	External optics with interior flute design
Mounting	6 x 17mm holes on 200mm PCD	6 x 17mm holes on 200mm PCD
Height (mm/inches)	240 / 9½	240 / 9½
Width (mm/inches)	231 / 9⅛	231 / 9⅛
Mass (kg/lbs)	1.1 / 2⅜	1.1 / 2⅜
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 160kph / 100mph	Up to 160kph / 100mph
Shock	MIL-STD-202G, Test Condition G, Method 213B	MIL-STD-202G, Test Condition G, Method 213B
Vibration	MIL-STD202G, Test Condition B, Method 204	MIL-STD202G, Test Condition B, Method 204
Certifications		
CE	EN61000-6-3:2007 EN61000-6-1:2007	EN61000-6-3:2007 EN61000-6-1:2007
Quality Assurance	ISO9001:2015	ISO9001:2015
Waterproof	IP68	IP68
Intellectual Property		
Patents	US Pat. No. 6,667,582. AU Pat. No. 778,918	US Pat. No. 6,667,582. AU Pat. No. 778,918
Trademarks	AVLITE® is a registered trademark of Avlite Systems	AVLITE® is a registered trademark of Avlite Systems
Warranty *	3 year warranty	3 year warranty
Options Available	· IR LEDs · External ON/OFF Switch · GPS Sync	· IR LEDs · External ON/OFF Switch · GPS Sync

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

CE

Technical Illustration