



The **AV-OL-75** is a next-generation, self-contained solar light designed to comply with ICAO Low Intensity Type A requirements.

Key Features:

- Optional Satcom or GSM Connectivity
- Solar-powered, Self-Contained
- Easy to Handle and Install
- Dual High-Performance Solar Modules
- Bluetooth® Connectivity for Convenient Servicing
- Tough UV-stabilised LEXAN® Polycarbonate Lens and Light Base

Standard	Optional
Bluetooth®	Satcom
	GSM
	Switch
	Charge Port



Optional Satcom or GSM connectivity

The AV-OL-75 can be fitted with Satcom or GSM Connectivity, enabling users to access real-time diagnostic data. These telemetry types connect into our Star2M® Web Portal for full asset management, monitoring and control.

Bluetooth® for Monitoring

Convenient servicing via the new Bluetooth® connected mobile application, the AV-OL-75 can be monitored from a distance up of to 50 meters. An in-built solar calculator confirms the lights ability to operate at the set location, ensuring optimal operating performance.

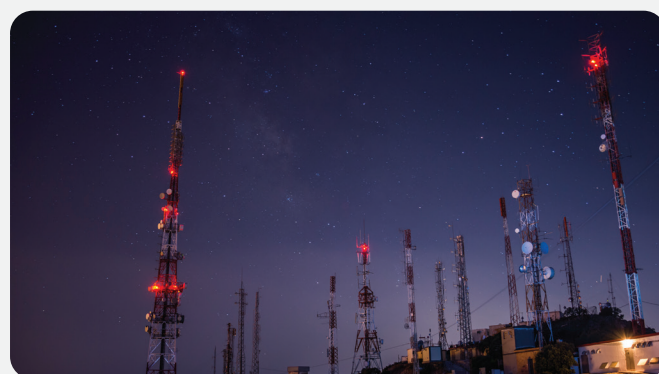
Small Form Factor

The small form factor of the self-contained AV-OL-75 makes it the smallest and lightest self contained ICAO compliant Type A obstruction light on the market.

Dual High Performance Solar Modules

The AV-OL-75 boasts dual high performance solar modules which are tilted to obtain maximum sunlight capture, allowing the unit to operate reliably in a range of low sunlight environments.

The two in-built, high performance integrated panels charge the 17.2Ah (B2 only), 21.5Ah (B3 Only) or 28.8Ah (B4 Only) battery during daylight hours and internal light sensor detects ambient light to achieve a true self sufficient dusk-till-dawn operation.



AV-OL-75

B2

B3

B4

Light Characteristics

Light Source	LED
Available Colours	Red
Minimum Intensity	Complies with ICAO Type A
Available Operation Modes	Stand by, steady-on, dusk till dawn
LED Life Expectancy (hours)	> 100,000

Electrical Characteristics

Operating Voltage	3.6
Temperature Range	-40 to 55°C

Solar Characteristics

Solar Module Type	Monocrystalline
Output (Watts)	5 (2 x 2.5 Watts)
Charging Regulation	Microprocessor controlled

Power Supply

Battery Type	Nickel Metal Hydride (NiMH)		
Battery Capacity (Ah)	17.2	21.5	28.8
Nominal Voltage (V)	3.6		
Operating time at maximum intensity (without Satcom)	213 hours	266 hours	356 hours

Physical Characteristics

Body Material	LEXAN® Polycarbonate – UV stabilized		
Lens Material	LEXAN® Polycarbonate – UV stabilized		
Lens Diameter (mm/inches)	140 / 5 1/2		
Lens Design	TIR		
Mounting	6 x 17 mm holes on 200mm PCD		
Height (mm/inches)	313 / 12 1/8		
Height (mm/inches) SATCOM	364 / 14 1/8		
Width (mm/inches)	231 / 9 1/8		
Mass (kg/lbs)	2.35 / 5 1/8	2.55 / 5 5/8	2.93 / 6 1/2
Mass with Satcom (kg/lbs)	2.55 / 5 1/2	2.7 / 6	3.08 / 6 3/4
Service Life	12 years plus		

Environmental Standards

Shock	MIL-STD-202G, Test Condition G, Method 213B
Vibration	MIL-STD202G, Test Condition B, Method 204
Wind Speed	Up to 160kph / 100mph
Humidity	0 to 100%, MIL-STD-810F

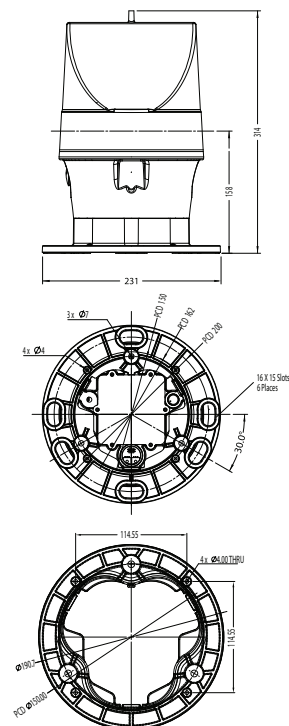
Compliance

CE	EN61000-6-4:2019 EN61000-6-3:2019
Quality Assurance	ISO9001:2015
ICAO	Low Intensity Obstruction Light Type A
Waterproof	IP68
Trademarks	AVLITE® is a registered trademark of Avlite Systems

Other

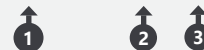
Warranty *	3 years
Options Available	Satcom Connectivity, GSM Monitoring, External On/Off Switch, Charge Port
Terms and Conditions	Please refer to the light installation manual for further specifications. Warranty Terms and Conditions - www.avlite.com

Technical Illustrations



Ordering This Product

AV-OL-75-ICAO-[XX]-[XX]



1 Product Name

2 Battery Configuration

B2	17.2Ah NiMH Battery
B3	21.5Ah NiMH Battery
B4	28.8Ah NiMH Battery

3 Option Configuration

00	No Options
01	Switch
02	Charge Port
03	Charge Port and Switch
04	SAT only
05	SAT with Switch
06	SAT with Charge Port
07	SAT with Charge Port and Switch
08	GSM Only
09	GSM with Switch
10	GSM with Charge Port
11	GSM With Charge Port and Switch



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