



aviationrenewables

# SPECS MEDIUM INTENSITY APPROACH LIGHTING SYSTEM



Barrette with 5 light assemblies and weatherproof PCU

## Medium Intensity Approach Lighting System with Runway Alignment - Sequenced Flashers

The AV-MALSR is an LED runway approach lighting system which is designed to provide visual guidance from approach zone to landing threshold. The unique light pattern of the AV-MALSR assists pilots to identify runway alignment, height perception, roll guidance and horizontal reference on approach.

The AV-MALSR consists of two primary subsystems: Sequence Flashing (SFL)/Runway Alignment Indicator Lights (RAIL) and Steady Burning Array.

The five SFL/RAIL Lights of the MALSR Approach Lighting Solution flash in a timed, uniform order to add visual guidance down the runway centerline path.

The Steady Burning Array includes 9 lightweight, rectangular barrettes, each approximately 10 ft. long with 5 LED lighthoods and a weatherproof PCU on each. Each barrette is available in a permanent frangible version or folding portable version. The portable version features a central hinge with compact electronic enclosure for convenient transport.

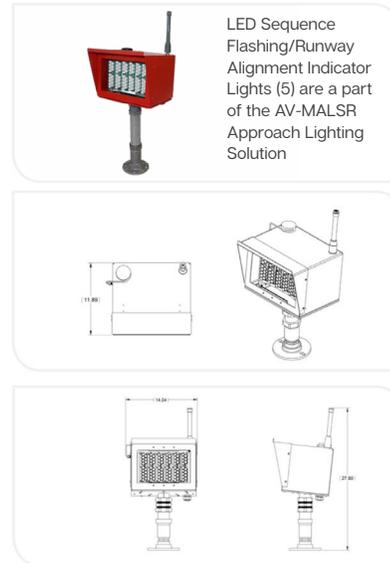
LED optics utilized in the AV-MALSR achieve the lowest power consumption at the required intensity. A wide variety of control and power options are available.

The AV-MALSR is compliant with FAA MALSR, UFC-3 and NAVAIR-51 standards for Medium Intensity Approach Lighting Steady Burning Array.

### Technical Specifications

AV-MALSR	
Optics	
High power LEDs with proper heat management ensures stable photometrics for life of product	
Power Options	
<b>Solar Kit</b>	Solar panels, mounting hardware, batteries, enclosures, air transportable container, AC input for backup
<b>Battery Kit</b>	Batteries & enclosures, AC input for backup
<b>AC</b>	100 - 240 VAC 50/60 Hz
Physical Characteristics	
<b>Height(mm/inches)</b>	651.51 / 25.65
<b>Width(mm/inches)</b>	3295.65 / 129.75
<b>Weight(kg/lbs)</b>	28 / 62
Electrical Characteristics	
<b>Current Draw</b>	66W per barrette
Control Options	
<b>Fixed Wire</b>	Power line control
<b>Wireless</b>	5 mile (8 km) control range with handheld controller
<b>Type</b>	3 and 5 step options
Construction	
Powder coated aluminum (Barrette, Light Housing and Control Unit) with Stainless Steel Hardware	
Temperature	
-31 to 131° F (-35 to 55° C)	
Wind Loading	
300 mph (45 m/s)	
Ingress	
MA 4 & EN 60529 IP 55	
Shipping Weight and Dimensions (2 crates, 1 pallet totaling 2,625lbs/737kg)	
Crate 1: 137x53x47in./1200lbs; Crate 2: 137x45x47/1125lbs; Pallet: 48x45x48/300lbs	

### SFL



### Standard Configurations

Model	Mounting	Output	Power	Control
AV-MALSR	Permanent	Visible	Solar Kit	Wired
	Portable	Visible/IR	Generator Kit Battery Kit AC	Wireless

We believe technology improves navigation™

**Address**  
533b Chatham St Victoria,  
BC Canada, V8T 1E1



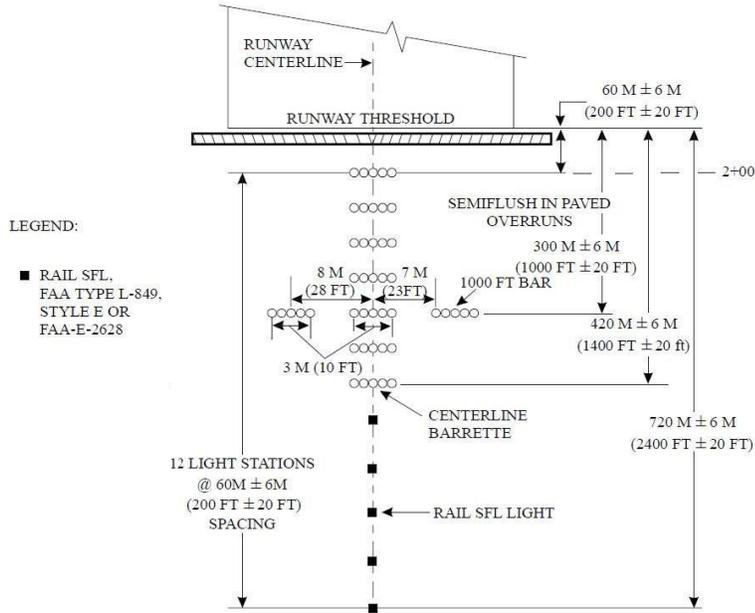
**Web:** [www.aviationrenewables.com](http://www.aviationrenewables.com)  
**Email:** [arc@aviationrenewables.com](mailto:arc@aviationrenewables.com)  
**Phone:** +1 (250) 590 1272



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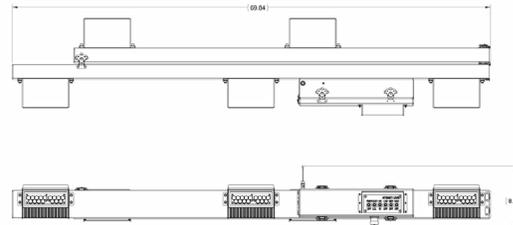
Typical layout for MALSR Approach Lighting System with Steady Burning Array and Sequence Flashing/ Runway Approach Indicator Lights



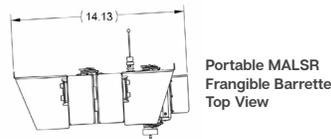
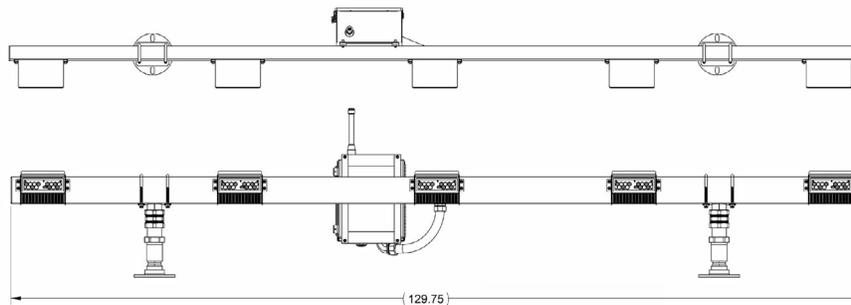
### Portable MALSR - Folded Barrette



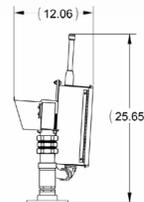
Portable MALSR - Folded



### Permanent MALSR - Frangible Barrette



Portable MALSR Frangible Barrette Top View



Portable MALSR Frangible Barrette Side View

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**Email:** [arc@aviationrenewables.com](mailto:arc@aviationrenewables.com)  
**Phone:** +1 (250) 590 1272