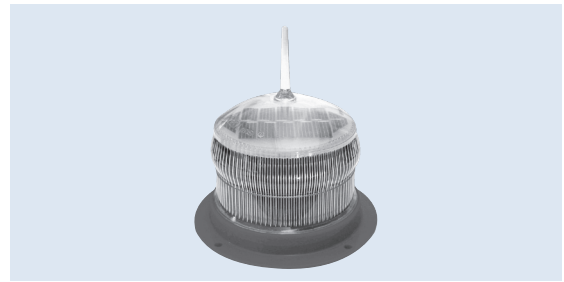


## AV15

### Solar Aviation Light

Compliances:

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



### Applications

- Solar Barricade Light
- Solar Caution Light
- Solar Hazard Light

The AV15 solar powered LED light is exceptional value, incorporating some of the most advanced technology available to provide up to a 4km visible range (flashing). The unit is suitable for a variety of applications including barricade lighting and general hazard marking, and is used by some of the world's largest mining companies to mark haul routes.

### Features

- CE Certified
- Up to 4km visible range (flashing), up to 2.5km visible range (steady-on) – color dependant
- Integrated solar/battery system
- IP68 waterproof rating
- Internal user-replaceable battery in sealed compartment
- User-adjustable flash rates, including steady-on
- Ultra-high intensity LEDs (no changing globes ever)
- Molded from UV-stabilized LEXAN® polycarbonate
- Automatic night activation
- Internal solar module
- LED lens

### Ordering Information



Part Number: AV15

#### Options

External ON/OFF Switch:  
S = External ON/OFF Switch

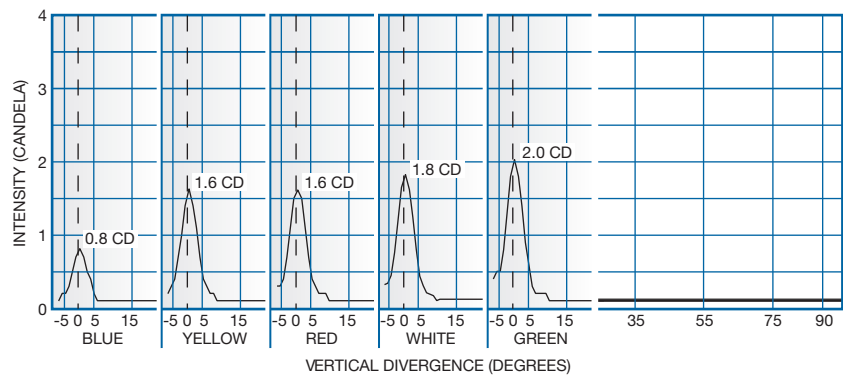
Color (360 degrees):

- R = Red
- G = Green
- W = White
- Y = Yellow
- A = Amber
- B = Blue
- IR = IR

#### Sector Combinations

Various combinations of colored and IR lights listed above upon request. Please contact Crouse-Hinds with your requirements.

### Typical Photometric Data



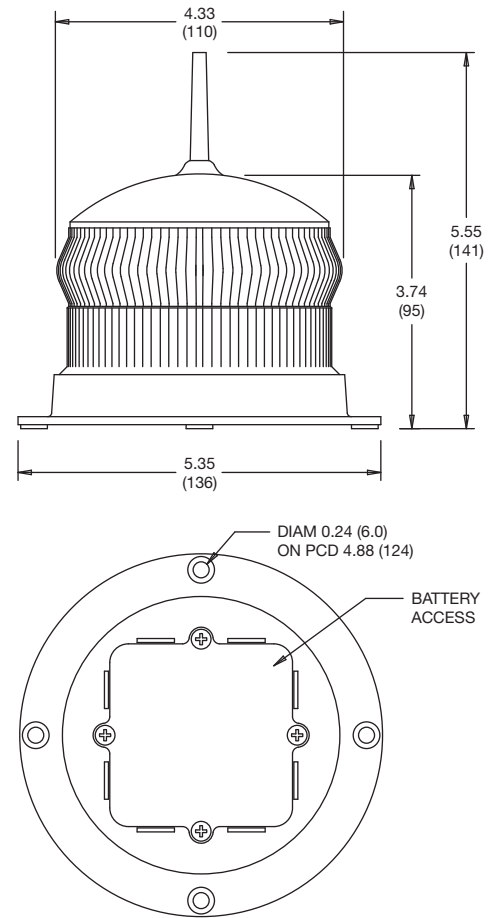
AV15 Steady ON

## Specifications

Light Characteristics	
Light Source	4 ultra-high intensity LEDs
Available colors	Red, Green, White, Yellow, Amber, Blue, Sectored Combinations
Peak Intensity (cd)*	Steady-on: Blue - 0.8 Red - 1.6 Green - 2.0 White - 1.8 Yellow - 1.6 Flashing: Blue - 3.0 Red - 6.2 Green - 7.6 White - 6.8 Yellow - 5.9
Vertical Divergence (degrees)	9
Reflector Type	Omnidirectional 360° LED Reflector (US Pat. No. 6,667,582. AU Pat. No. 778,918)
Available Flash Characteristics	16, including steady-on
Intensity Adjustments	Adjustable in 25% increments
LED Life Expectancy (hours)	>100,000
Electrical Characteristics	
Operating Voltage (v)	3.6
Temperature Range	-40°F to +176°F (-40°C to +80°C)
Solar Characteristics	
Solar Module Type	Multicrystalline
Output (watts)	0.45
Solar Module Efficiency (%)	14
Charging Regulation	Microprocessor controlled
Power Supply	
Battery Type	High grade NiMH – Environmentally friendly
Battery Capacity (Ah)	1.6
Nominal Voltage (v)	3.6
Autonomy (nights)	Steady-on: >14 (14 hour darkness) Flashing: >35 (14 hour darkness, 12.5% duty cycle)
Physical Characteristics	
Body Material	LEXAN® Polycarbonate – UV stabilized
Lens Material	LEXAN® Polycarbonate – UV stabilized
Lens Design	External optics with interior flute design
Mounting	4 x 6mm holes
Weight (kg/lbs)	0.6 / 1 1/3
Product Life Expectancy	Up to 12 years

\* Intensity setting subject to solar availability

## Outline Drawing



Dimensions: inches (mm)  
Instruction Manual: AV15

Solar Aviation Light Products are manufactured by Avlite Systems, Victoria, Australia.

