

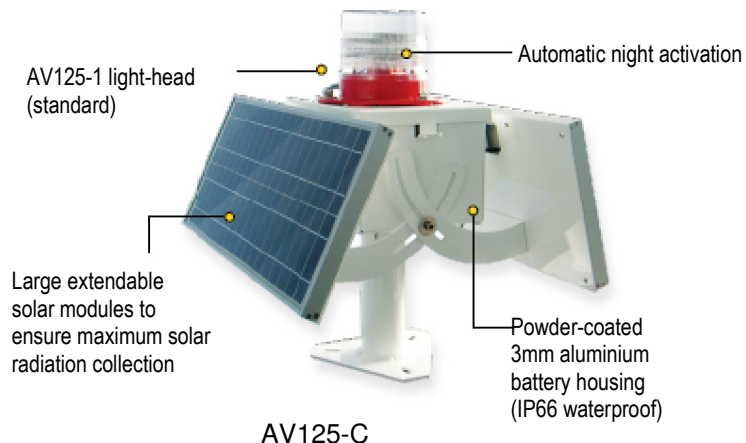
AV125 Series Solar Obstruction Light

Typical Applications

- ▶ Solar Obstruction Light

Major Benefits

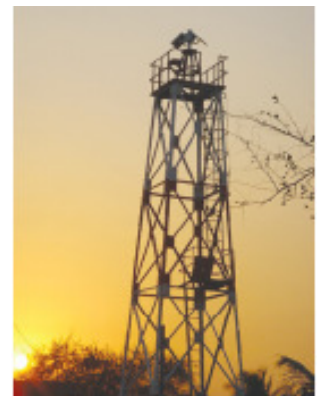
- ▶ Completely self-contained
- ▶ No external wiring
- ▶ Extremely low maintenance
- ▶ 2 x 20 watt solar modules
- ▶ Internal battery housing IP66 waterproof
- ▶ Available with any AV125 series light-head
- ▶ Ultra-high intensity LEDs (no changing globes ever)



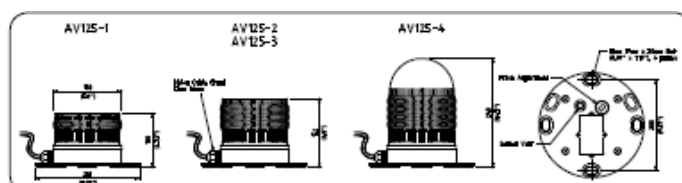
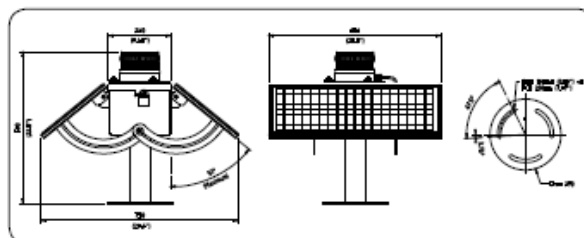
Avlite's AV125 complete lantern assembly provides a total solution for all obstruction, hazard, perimeter and general lighting needs.

The unit is equipped with a standard AV125 light-head and uses 36 ultra-high intensity LEDs as a light source. The solar modules charge the battery during daylight hours and the light automatically begins operation on dusk once the ambient light threshold drops sufficiently.

The assembly is available in a variety of solar/battery configurations to suit a range of installations and intensity settings and ensures years of maintenance-free reliable service.



AV125-C tower installation, India



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Total Turnkey Airport Solutions

AV125 Series Solar Obstruction Light

SPECIFICATIONS

Light Characteristics

Light Source	36 ultra-high intensity LEDs (standard AV125-1)
Available Colours	Red (other colours available)
Peak Intensity (cd)	Refer to table below
Visible Range (nm)	Refer to table below
Horizontal Output (degrees)	360
Vertical Divergence (degrees)	9
Reflector Type	Omni-directional 360° LED Reflector (US Pat. No. 6.667,582. AU Pat. No. 778,918)
Available flash characteristics	>250 including fixed-on (user-adjustable)
Intensity Adjustments	Adjustable in 25% increments
LED Life Expectancy (hours)	>100,000

Electrical Characteristics

Current Draw (mA)	Refer to table below
Circuit Protection	Integrated
Operating Voltage (v)	12
Temperature Range	-40 to 80°C

Physical Characteristics

Body Material	LEXAN® Polycarbonate—UV stabilised
Lens Material	LEXAN® Polycarbonate—UV stabilised
Lens Diameter (mm/inches)	150 / 5 7/8
Lens Design	External optics with interior flute design
Mounting	6 x 17mm holes on 200mm PCD
Height (mm/inches)	120 / 4 3/4 (AV125-1)
Width (mm/inches)	231 / 9 1/8
Mass (kg/lbs)	1.1 / 2 1/3
Product Life Expectancy	Up to 12 years

Certification

CE	EN61000-6-3:1977. EN61000-6-1:1997
Quality Assurance	ISO 9001:2000
Waterproof	IP68

Intellectual Property

Patents	US Pat.No.6.667.582.AU Pat.No.778.918
Trademarks	Avlite® is a registered trademark of Avlite Systems

Warranty

Full 3 year warranty

Options Available

GPS, GSM, Radio remote monitoring
Other LED colours to suit different applications
Variety of solar/battery configurations (AV125-C)
IR

CE

Model	Description	Peak Intensity Flashing (cd)	Colour	LEDs	Current Draw (Amps)	Voltage
AV125-1.R	1 Tier LED Light	87	Red	36	0.42	12v
AV125-1.G	1 Tier LED Light	86	Green	36	0.32	12v
AV125-1.W	1 Tier LED Light	136	White	36	0.32	12v
AV125-1.Y	1 Tier LED Light	65	Yellow	36	0.42	12v
AV125-2.R	2 Tier LED Light	169	Red	72	0.84	12v
AV125-2.G	2 Tier LED Light	168	Green	72	0.64	12v
AV125-2.W	2 Tier LED Light	264	White	72	0.64	12v
AV125-2.Y	2 Tier LED Light	125	Yellow	72	0.84	12v
AV125-3.R	3 Tier LED light	252	Red	108	1.26	12v
AV125-3.G	3 Tier LED light	249	Green	108	0.96	12v
AV125-3.W	3 Tier LED light	387	White	108	0.96	12v
AV125-3.Y	3 Tier LED light	182	Yellow	108	1.26	12v
AV125-4.R	4 Tier LED Light	332	Red	144	1.68	12v
AV125-4.G	4 Tier LED Light	329	Green	144	1.28	12v
AV125-4.W	4 Tier LED Light	519	White	144	1.28	12v
AV125-4.Y	4 Tier LED Light	280	Yellow	144	1.68	12v

Intensity (cd)	Range (nm) AT=0.74	Range (nm) AT=0.85
1	1.0	1.1
5	2.0	2.3
15	3.0	3.5
25	3.6	4.3
35	4.0	4.8
55	4.6	5.7
65	4.8	6.0
75	5.0	6.2
90	5.3	6.7
110	5.5	7.1
130	5.8	7.4
150	6.0	7.8
170	6.2	8.1
200	6.5	8.5
270	7.0	9.3
300	7.2	9.6
360	7.5	10.0

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