

APPROACH, THRESHOLD, WINGBAR, END & SIDEROW BARRETTE

High Intensity, Uni-Directional, Elevated LED Light



VAS-APL-L
VAS-RTL-L
VAS-RWB-L
VAS-REN-L
VAS-APS-L

Compliance with Standards

ICAO: Annex 14 Volume-I
DGCA: CAR Section 4 Part-I
FAA: AC 150/5345-46 (L-862E)
FAA: Engineering Brief 67D

Features

- Aluminium alloy body- light weight, corrosion-resistant & powder coated.
- Frangible coupling to ensure flight safety.
- Design for easy replacement of LED Module from the frontside without disturbing or opening the internal circuitry.
- LED's life is greater than 50,000 hours at 6.6A.
- 5-step constant current operation.
- Angle setting tool available as an option.
- Provision for vertical beam adjustment from 0° to 25° and horizontal beam adjustment at each side from 0° to 20°.
- Alignment is not required after replacement of LED Module
- Smooth outer glass surface resists build up of dirt and is easy to clean.
- Low spares inventory for all types of light fittings. The only difference is color filter.
- Dimming Curve is as per ICAO Design Manual Part-5 and FAA EB 67D

Applications

High-intensity, Uni-directional, Elevated Runway Approach, Threshold, Threshold Wingbar & Runway End lights used in SAPL & ICAO category I, II & III runways. Siderow Barrette used in ICAO category II & III runways.

Performance

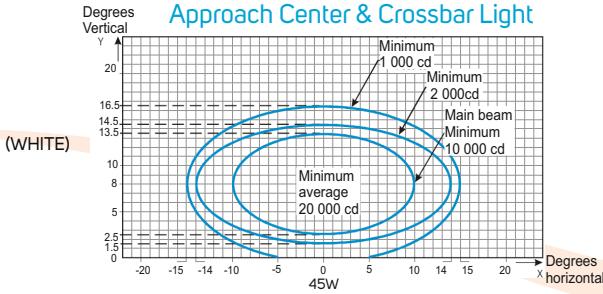
- Power Factor > 0.9
- Power Consumption 40 Watt
- Temperature -25° C to +55° C
- Lights can withstand Jet Blast & High Wind Pressure (Wind load-480km/h)

Electrical supply

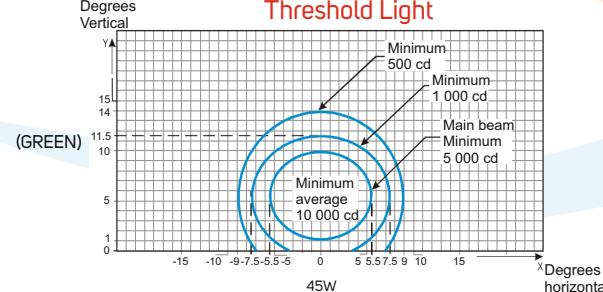
- Suitable for use in 2.8 to 6.6A airfield lighting circuits Isolation transformer 45 W as per IEC standard can be used.

Photometric Data

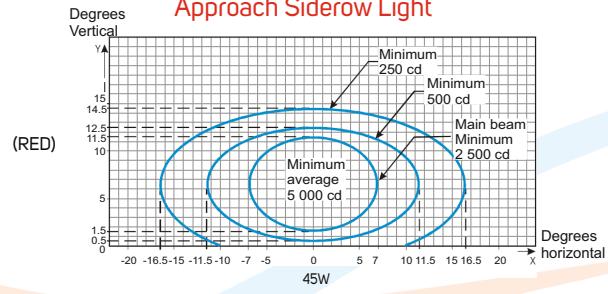
Approach Center & Crossbar Light



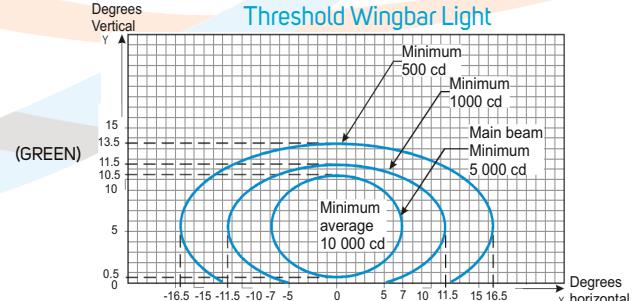
Threshold Light



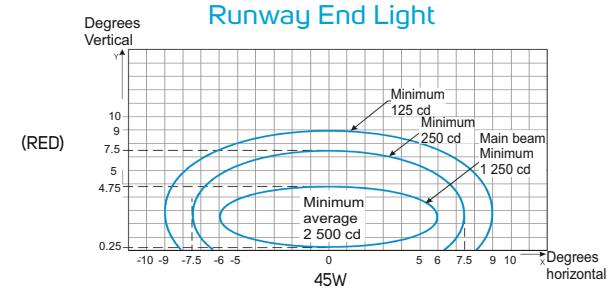
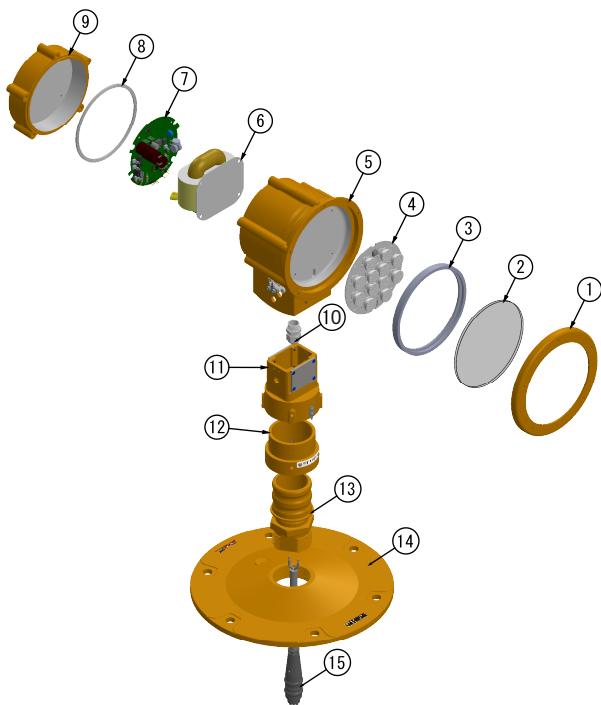
Approach Siderow Light



Threshold Wingbar Light



Components



Application	Main beam		Color	Specs. Min. Average cd	Actual Average Cd
	H	V			
ICAO fig. A2-1	$\pm 10^\circ$	2.5° - 13.5°	White	20000	>20000
ICAO fig. A2-2	$\pm 7^\circ$ (Toe in 3.5°)	1.5° - 11.5°	Red	5000	>5000
ICAO fig. A2-3	$\pm 5.5^\circ$ (Toe in 3.5°)	1° - 10°	Green	10000	>10000
ICAO fig. A2-4	$\pm 7^\circ$ (Toe in 2°)	0.5° - 10.5°	Green	10000	>10000
ICAO fig. A2-8	$\pm 6^\circ$	0.25° - 4.75°	Red	2500	>2500

Sr. No.	Parts Name	Sr. No.	Parts Name
1	Front Ring	8	Gasket - Rear Cap
2	Glass	9	Rear Cap
3	Gasket	10	Gland -PVC (PG 11)
4	LED Module White	11	Pole
	LED Module Red	12	Indexing Ring
	LED Module Green	13	Frangible Coupling
5	Housing	14	Base Plate
6	Driver	15	Secondary Lead
7	Transformer		

Packaging data

- Net Weight 5.7 kg
- Gross Weight 5.9 kg
- Box Size 178 (l) x 160 (w) x 300 (h) (in mm)

Installation

- The Light fixture can be installed on Pipe Elbow, C.I/M.S box and Pole.

