

APPROACH, THRESHOLD, WINGBAR, END & SIDEROW BARRETTE

High Intensity, Uni-Directional, Elevated Halogen Light



VAS-APL-1
VAS-RTL-1
VAS-RWB-1
VAS-REN-1
VAS-APS-1

Compliance with Standards

ICAO: Annex 14 Volume-I
DGCA: CAR Section 4 Part-I
IS: IS 7785 Part I & V
FAA: AC 150/5345-46 (L-862E)

Features

- Aluminium alloy body- light weight, corrosion-resistant & powder coated.
- Frangible coupling to ensure flight safety.
- Design for easy replacement of lamp from the backside without removing the reflector and front glass.
- Lamp life is greater than 1000 hours at 6.6A.
- 5-step constant current operation.
- Angle setting tool available as an option.
- Alignment is not required after replacement of the lamp.
- 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.

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

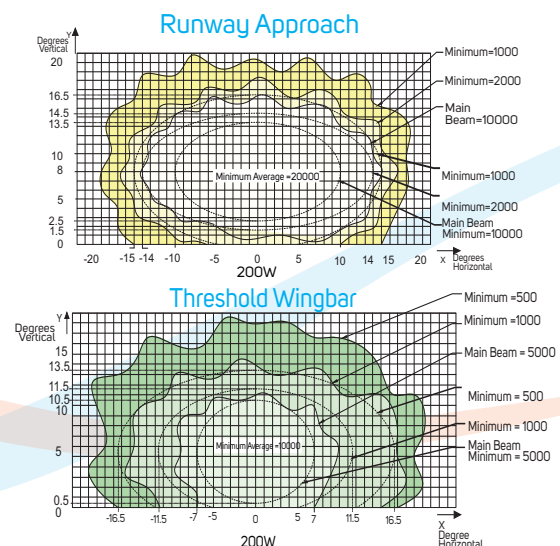
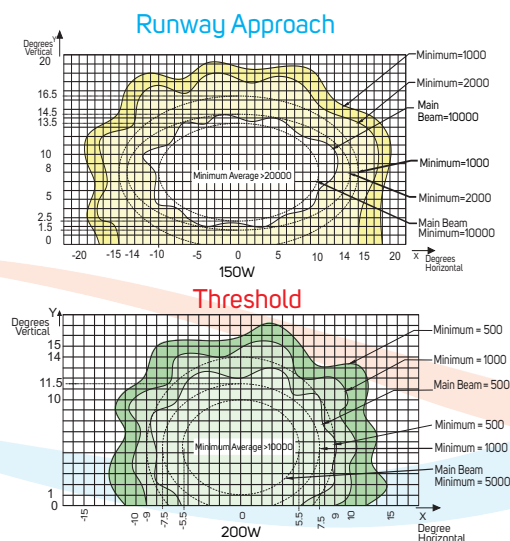
- Environmental Temperature : -25°C to 55°C.
- Lights can withstand with Jet Blast & High Wind Pressure.
- Relative Humidity: ≤95%.

Electrical supply

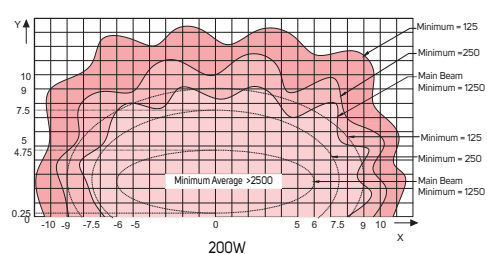
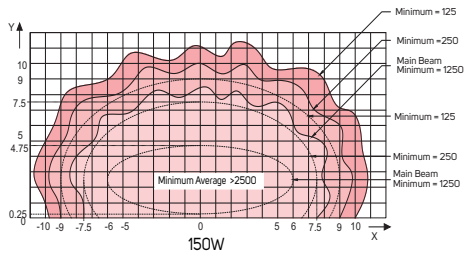
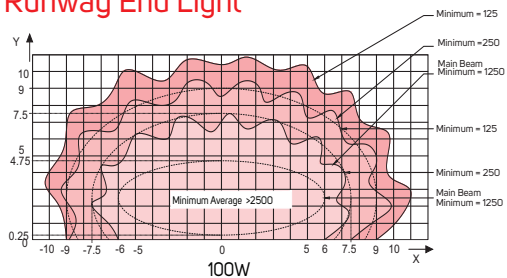
- Suitable for use in 6.6A airfield lighting circuits.

Color	Type	Lamp	Transformer
White	Approach Centerline & Crossbar	150W/200W	150W/200W
Red	Approach Siderow	200W	200W
Green	Threshold	200W	200W
Green	Threshold Wingbar	200W	200W
Red	Runway End	100W/150W/200W	100W/150W/200W

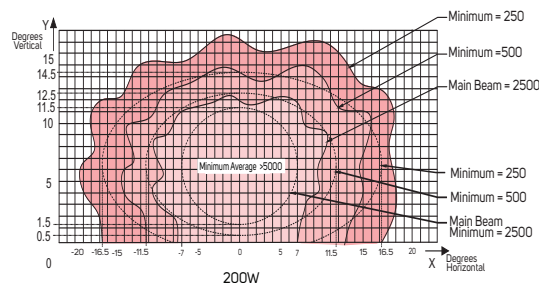
Photometric Data



Runway End Light

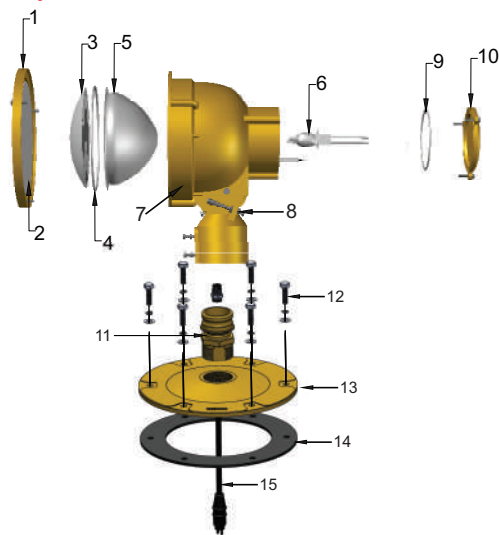


Runway Approach Siderow Light



Application	Main beam		Lamp	Color	Specs. Min. Average Cd	Actual Average Cd
	H	V				
ICAO fig. A2-1	$\pm 10^\circ$	$2.5^\circ - 13.5^\circ$	150W/200W	White	20000	>20000
ICAO fig. A2-2	$\pm 7^\circ$	$1.5^\circ - 11.5^\circ$	200W	Red	5000	>5000
ICAO fig. A2-3	$\pm 5.5^\circ$ (Toe in 3.5°)	$1^\circ - 10^\circ$	200W	Green	10000	>10000
ICAO fig. A2-4	$\pm 7^\circ$ (Toe in 2°)	$0.5^\circ - 10.5^\circ$	200W	Green	10000	>10000
ICAO fig. A2-8	$\pm 6^\circ$	$0.25^\circ - 4.75^\circ$	100W/150W/200W	Red	2500	>2500

Components



Sr No.	Parts Name	Ordering Codes	Sr No.	Parts Name	Ordering Codes
1	Front Ring	APL-H001-0004	7	Housing	APL-H001-0003A
2	Filter (White)	APL-H001-0010B	8	Hex Bolt M6x45	APL-H001-0011D
	Filter (Red)	REN-H001-0010	9	Back Lid Gasket	APL-H001-002C
	Filter (Green)	RTL-H001-0010	10	Back Lid	APL-H001-0003B
3	Glass - Reflector	APL-H001-0010A	11	Frangible Coupling	APL-H001-0005
4	Gasket - Reflector	APL-H001-002B		Frangible Coupling - Pole	APL-H002-0005
5	Reflector	APL-H001-0024	12	M10 Bolt	TXE-L001-0011
6	PK30D Lamp-150W	APL-H001-0035A	13	Base Plate	TXE-L001-0007
	PK30D Lamp-200W	APL-H001-0035B	14	Gasket-Base Plate	TXE-L001-0002
	Bi-pin Lamp-150W	APL-H002-0035A	15	Secondary Lead	APL-H001-0008
	Bi-pin Lamp-200W	APL-H002-0036B			

Packaging data

- Net Weight 2.4 kg
- Gross Weight 2.6 kg
- Box Size 210 (l) x 200 (w) x 300 (h) (in mm)

Installation

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

