



# Precision Approach Path Indicator (PAPI)

VAS- PAPI-3L-H

## Compliance with standards

ICAO	Annex 14 Volume-I
DGCA:	CAR Section 4 Part-I
IS:	IS 7785 Part I & IV

## Features

- Three lamp version.
- Aluminium alloy body- light weight, corrosion-resistant & powder coated.
- Lamp life greater than 1,000 hours at 6.6 A.
- Sand, wind and engine blast protection by front glass lens.
- Excellent frangibility with no loss of stability.
- Very easy angle adjustment by using a clinometer (precision 0.01° from 0°~ 10°).
- Dichroic filters with a high transmission factor and good thermal resistance are used.
- Replacement of main parts (lamps, front glass) is simple and does not necessitate any unit adjustments or special tools.
- By removing the cover, all components are easily accessible.
- The transition from red to white is precise,(< 3 minutes).

## Packaging data

- Net Weight 26 kg Approx
- Gross Weight 52 kg Approx
- Box Size 550 mm (l) x 930 mm (w) x 720 mm (h)

## Application

The VAS- PAPI-3L-H system comprises of a bar of 4 units which are installed in a line perpendicular to the runway. Each unit emits a lightbeam divided into an upper White and lower Red sector. The VAS PAPI system provides the pilot with precise two color (Red/White) approach path optical guidance which ensures accurate slope and safe landings.

## Performance

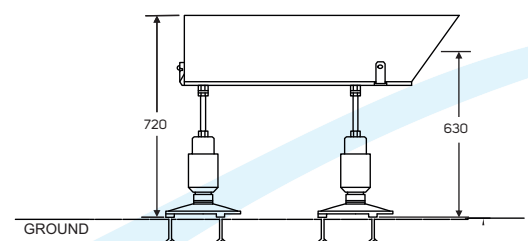
- Visibility more than 11km by day and 30km by night (meteorological visibility 14km).
- Relative Humidity: ≤95%.
- Lights can withstand with Jet Blast & High Wind Pressure.
- Working Temperature between -20° and +55°C.

## Electrical supply

- Suitable for use in 6.6A airfield lighting circuits.

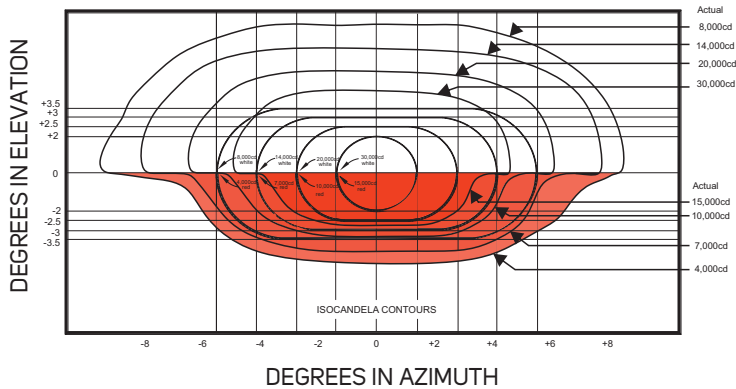
Color	Lamp	Transformer
White & Red	200W x 3	200W x 3

## Dimension



Photometric Data

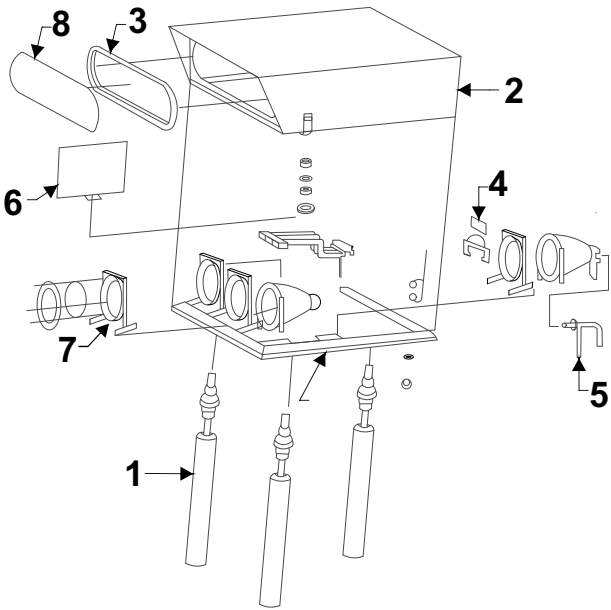
PAPI



Application	Main beam		Color	Specs. Min. Average Cd	Actual Average Cd
	H	V			
ICAO fig. A2-23	±2°	±2°	White	30000	>30000
			Red	15000	>15000
	±4°	±2.5°	White	20000	>20000
			Red	10000	>10000
	±6°	±3°	White	14000	>14000
			Red	7000	>7000
	±8°	±3.5°	White	8000	>8000
			Red	4000	>4000

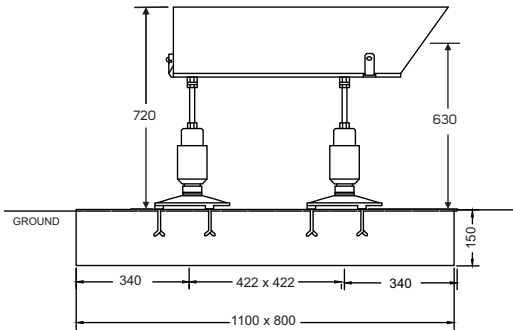
Components

S No.	Part Name	Order Codes
1	Leg x 3	PAPI-H001-0026
2	Cover	PAPI-H001-0032
3	Front Glass Gasket	PAPI-H001-0002A
4	Dichroic Red Filter	PAPI-H001-0010B
5	Lamp - 200W	APL-H001-0035
6	Separating Plate	PAPI-H001-0019
7	Lens	PAPI-H001-0010
8	Protection Front Glass	PAPI-H001-0010
-	PAPI Checkstick	VAS-PAPI-CHKS
-	Clinometer	VAS-PAPI-CM

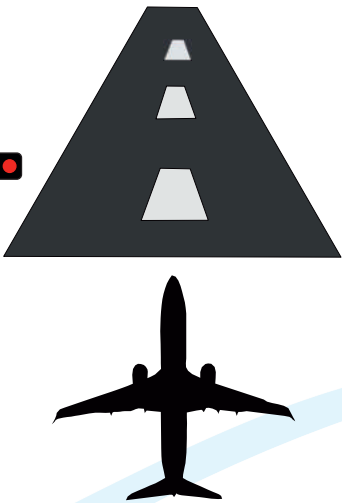


Installation

- The PAPI fixture can be installed on concrete platform.



PAPI Visual Indication



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CIN U62100DL 2014PTC263759