PAPI

PRECISION APPROACH PATH INDICATOR

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Compliance with standards

ICAO:Annex 14 Vol. 1, Para 5.3.5
FAA : AC 150/5345-28, L-880
K S : KS W 5051(Korean Standard)

The Precision Approach Path Indicator (PAPI) units provide two colours approach path indication from a wing bar arrangement.
A standard wing bar comprises four units. Both units meet ICAO and FAA recommendations. The three-lamp unit allows the system to be fully operational even with one of the lamps out of order.

Features

- No special tools or instruments required for servicing
- Easy lamp replacement without the need of tools
- Light weight and sturdy structure resisting high velocity wind and jet blast
- Four adjustable mounting legs for the accurate setting of the unit
- Breakable couplings with 2 inch 11 TPI thread
- Optical system comprising a 200W pre-focused tungsten halogen lamp, a 99.99% pure aluminum reflector, polished and protected by anodic oxidation of about 3 micrometers thickness, a through-coloured red glass filter and two high quality lenses in each beam to provide a constant transition zone which will not overpass 3 minutes of arc in any case
- Long lamp life 1000 hours at full brilliancy
- Optional tilt-switch available

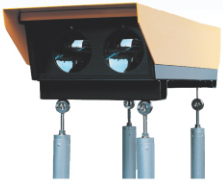


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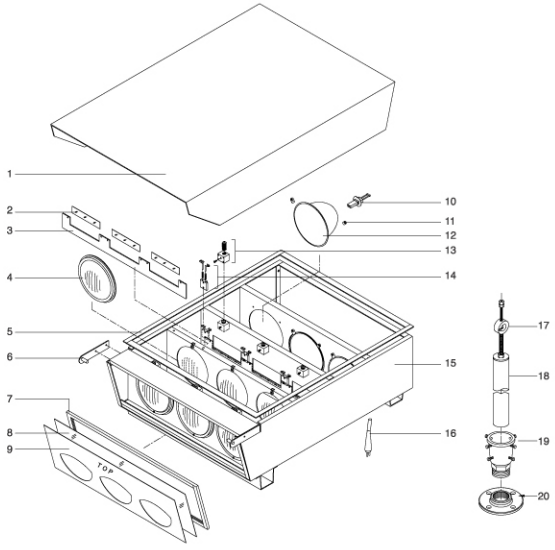


PAPI 600



PAPI 400

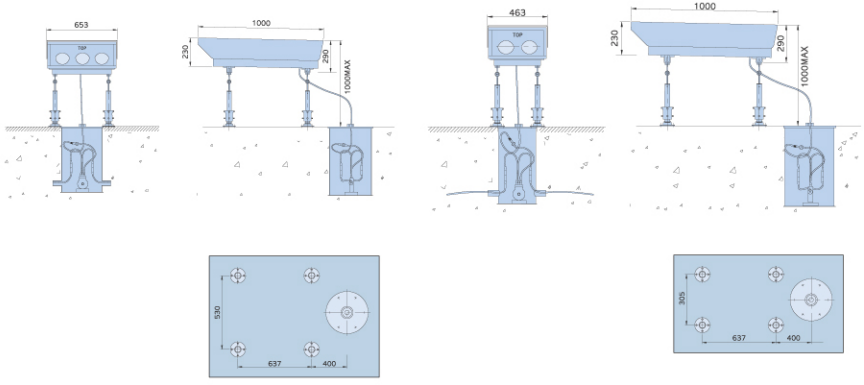
Components

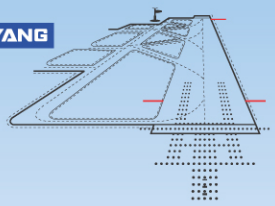


1. Body cover
2. Filter
3. Filter support
4. Inner lens
5. Gasket
6. Front cover support
7. Front Gasket
8. Front glass
9. Front cover
10. Halogen lamp
11. Reflector support
12. Reflector Ass'y
13. Aiming device support
14. Filter fixture
15. Body
16. 2-pole plug
17. Setting sleeve
18. Anchoring leg
19. Breakable coupling
20. Base plate

Design & Typical Mounting System

Unit : mm





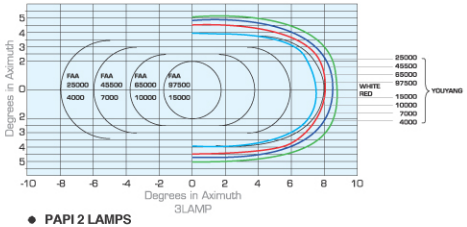
Photometric Performance

▶ PAPI

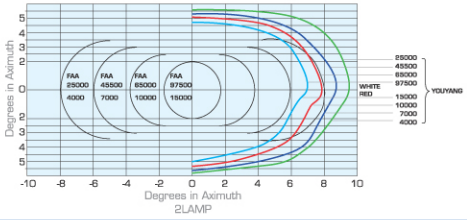
	Angle		Lamp	Average Intensity
	V	H		
3 Lamp	±2°	±2°	200Wx3	26570
2 Lamp	±2°	±2°	200Wx2	22300

- NOTE 1. Minimum intensities in red light(Main beam)
- NOTE 2. The beam is no less than 2 and may be as high as 6.5 times the corresponding intensity in the red sector
- Chromaticity
  -Red X:0.7136, Y:0.2847

● **PAPI 3 LAMPS**

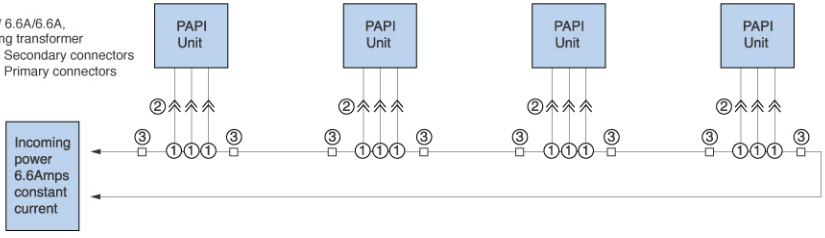


● **PAPI 2 LAMPS**

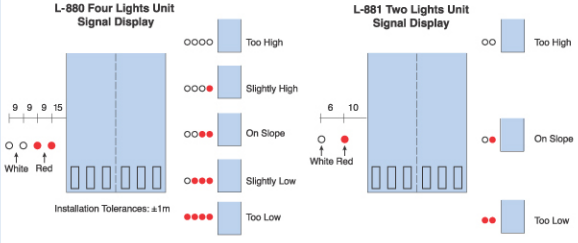


Typical Wiring Diagram

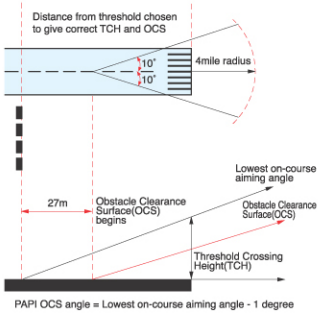
① 200W 6.6A/6.6A, Isolating transformer
② L-823 Secondary connectors
③ L-823 Primary connectors



Signal Presentation



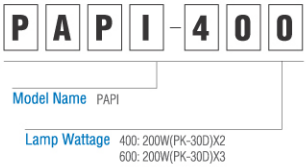
Obstade Clearance Surface



PAPI

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Ordering Code



Description

Model Name	Item	Specification
PAPI 400	Precision Approach Path Indicator	6.6A 200W x 2
PAPI 600		6.6A 200W x 3
PAPI Clinometer		Aiming Device

Spare Parts

Description	Specification	Ordering code
Reflector	PAPI	B116260
Lens	PAPI	B116270
Filter	Red	143-008A
Lamp	6.6A 200W(PK-30d)	111-242A
2-pole plug	3.5Qx2Cx1.5M	124-018A

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