

# PAPI

## Precision Approach Path Indicator



### COMPLIANT WITH:

FAA AC150/5345-28, L-880 and L-881  
FAA-E-2756  
ICAO – Annex 14  
USAF–AFJMAN 32-1076  
US ARMY – TM5-811-5  
NATO – STANAG 3316  
ASCC – AIR STD 65/35

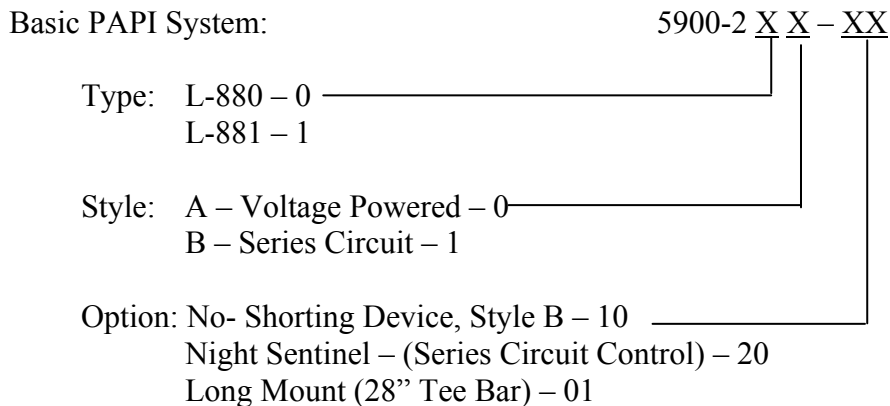
### GENERAL DESCRIPTION

The Multi Electric 3<sup>rd</sup> Generation PAPI System consists of a three lamp Light Housing Assembly as the main component. Additional components include Power and Control Unit, Series Circuit Lamp Shorting Devices with integral Tilt Switch and Aiming Instrument Set.

### FEATURES CHECKOFF

- ✓ **Low Power Consumption** – The Multi Electric PAPI is a low power consumption, energy efficient system. Each Lamp Housing Assembly draws approximately 300Watts as apposed to others 400 to 600 Watt consumption.
- ✓ **Physical Size** –The size and weight of the Multi Electric PAPI Lamp Housings is up to 30% less than other systems.
- ✓ **Tool-Less Maintenance** – Most routine service components can be changed without the use of hand tools.
- ✓ **Universal Mounting** – The Lamp Housing Assembly can be mounted on wide range of 3 leg mounting patterns. Standard mounting is on a 22" across the front and 16" front to back. Four additional mounting configurations are available for retrofit on most 3-leg PAPI existing foundations.
- ✓ **Experience** – Support of one of the oldest and most experienced companies in the United States for approach lighting systems.

**ORDERING INFORMATION**

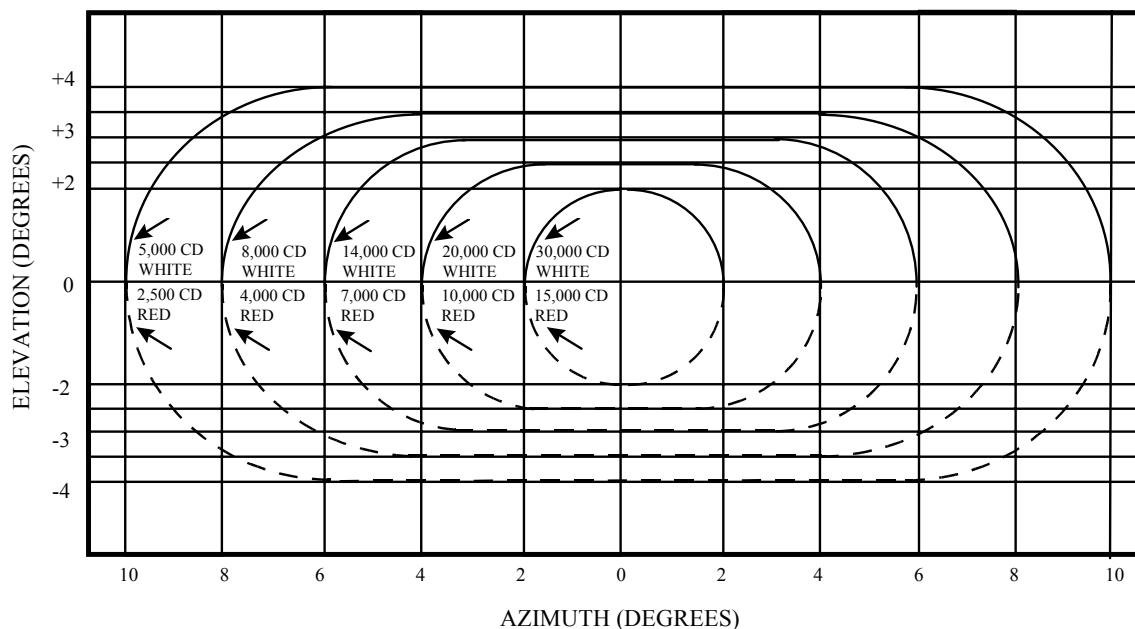


Example:

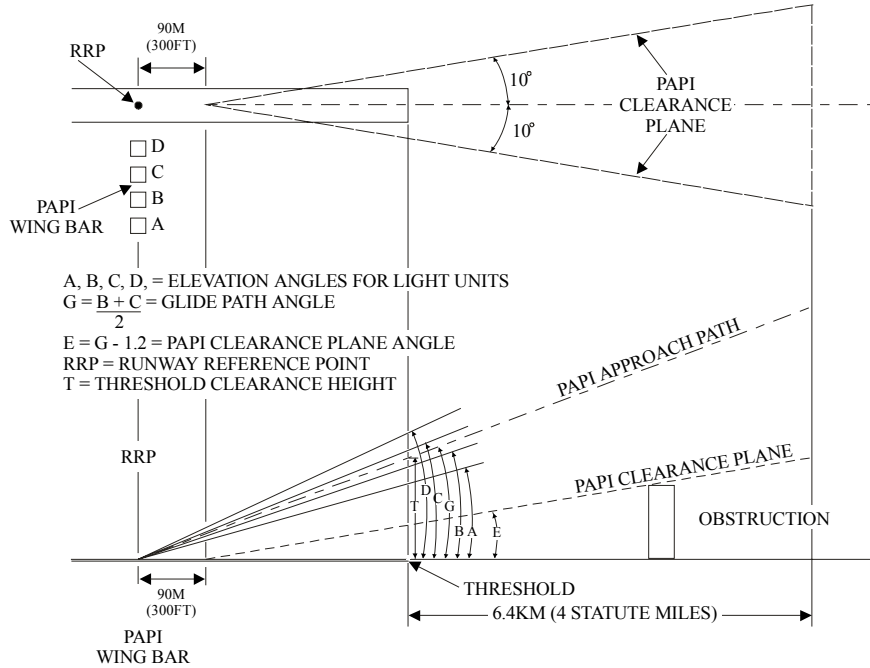
- 1) 4 LHA L- 880 Voltage Powered PAPI on standard mount — 5900-200
- 2) 2 LHA L- 881 Series Circuit with Shorting Device Long Mount — 5900-211-01
- 3) 4 LHA L- 880 Series Circuit without shorting device on long mount — 5900-201-11
- 4) 2 LHA L-881 Voltage Powered Standard Mount with Night Sentinel — 5900-210-20

Other options are available. Contact factory for more information.

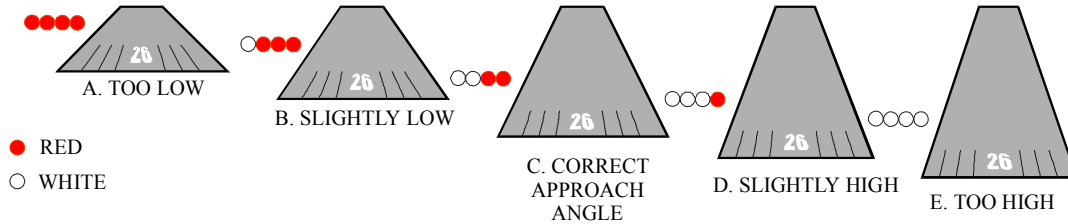
**PHOTOMETRICS**



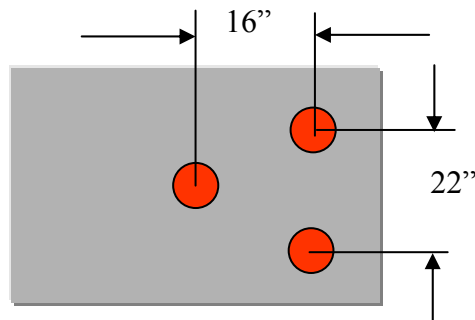
**TYPICAL AIMING CRITERIA**



**TYPICAL LIGHT PATTERNS AS SEEN ON APPROACH**



**PAPI PATTERNS AS SEEN FROM THE APPROACH ZONE**



Standard Mounting Footprint 22in. W 16in. L

**SPECIFICATIONS**

<b>Electrical:</b>	
Style A Input Power	
Voltage	Nominal 240 / 120 VAC 50-60Hz
Current	L-880 Less than 5.5 Amps L-881 Less than 3.0 Amps
Style B	6.6A – 315W per LHA Secondary Load 6.6A or 20A 330W Maximum Regulator Load
<b>Optics:</b>	
	Split Beam White over Red Transition of less than 3 min of arc. Optical Quality Glass Bi-Convex Lens Ground Red Filters
<b>Operating Temperature:</b>	– 55°C to + 55°C (-67°F to + 168°F) Standard

**SPARE / RENEWAL PARTS**

<b>Part Number</b>	<b>Description</b>	<b>Part Number</b>	<b>Description</b>
5903-100A	Lamp Housing Style A	9637-05	Lamp
5903-100B	Lamp Housing ICAO	961-AT	Frangible Coupling – 2in
5903-100ICAO	Lamp Housing - ICAO	964-P	Frangible Coupling – 1.5in
5920-101	Power Control Unit	5556-19	Floor Flange
5900-77	Tilt Switch	5900-158	Leg Cap Assembly
5910-185	Master Control PCB - Style A	5903-185	Tilt Sensor and Lamp Control PCB - Style B
5900-186	Tilt Driver PCB – Style A	5903-196	Tilt Buffer – Style B
5920-200	Night Sentinel PCB – Style A	5900-166	Aiming Instrument with Carrying Case
5900-105	Red Filter	5900-09	Aiming Instrument
5910-10	Photocell	5910-06	Circuit Breaker
5900-150	Transformer	5910-04	Contactore

