



Flight Light Inc.  
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solarseries

PH (916) 394-2800    FX (916) 394-2809  
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**Solar PAPI & APAPI  
 (Precision Approach  
 Path Indicator)**

**Solar PAPI and APAPI**

The Solar PAPI is the industry's only LED based complete PAPI system capable of operating via solar power. ICAO compliant, capable of FAA intensities and available in visible, infrared or dual LED output, the PAPI can be powered by solar, solar/fuel-cell hybrid, generator, or mains power, making it the most versatile PAPI available.

Unique LED heat sink design, coupled with specialized optical assemblies, allow the Solar PAPI to support civil, defense and humanitarian aid applications in any location where power is not accessible in either a permanent or portable installation. A significant reduction in energy consumption allows for a smaller, more compact renewable system to power the PAPI 24 hours a day or temporarily in emergency and portable applications. For RF control, a hand-held controller with an RF receiver power control box accompanies each system.

**Featuring**

- Permanent install or rapid set up design
- RF control from air, tower or ground
- Compact design
- NVG compatible, IR and visible LED operation
- Low power requirements, minimal heat signature



*Inclinometer*



*Solar powered system*



*Portable installation*



*Leg height adjustment*



*Permanent installation*

**Visit our web site: [www.flightlight.com](http://www.flightlight.com)**



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**Specifications**

<b>Optical</b>	
Configurations	Visible & Infrared, Visible only, Infrared only
Visible Light Source	White LEDs, Red LEDs
Infrared Light Source	Infrared LEDs - 870 nanometers
Colors	Aviation White, Aviation Red
Output (max white/red):	
PAPI	30,000 cd / 15,000 cd
APAPI	15,000 cd / 7,500 cd
Infrared Signal	Steady upper corridor, 3 Hz flashing lower corridor
Operating Profiles	Radio control, dusk-till-dawn, 24/7, custom
LED Life Expectancy	>100,000 hours

<b>Mechanical</b>	
Configuration	
(per LHA - Light Housing Assembly)	L/H/W 42.1" (1.07m) X 14.3" (.36m) X 34.4" (0.87m)
Configuration - Infrared Option	NVG option adds 10" to overall width
Weight APAPI Complete System	55 lbs (permanent), 75 lbs (portable)
Mounting	
Permanent	Attach points for 2" EMT fittings
Portable	Adjustable 2" stroke per leg, elevation bias of 3 degrees
Enclosures	Aviation orange, aviation yellow, custom
Handles	Per LHA - two each side (length), one each side (width)

<b>Electrical</b>	
Configuration	Solar power, fuel cell, generator, AC
Control	2.4 Ghz RF control or manual switch within control box
Power	12 volt +/- 2 volt DC source or custom
Consumption - APAPI Day	45 watts
Consumption - APAPI Night	15 watts
Solar Module	Polycrystalline, high-temperature panels
Battery	Maintenance-free, gelled sulphuric acid approved for air transport
Enclosure	Powder coated steel

<b>Environmental</b>	
Operating Temperature	25C (-) to 50C (+)
Weather Protection	Enclosure NEMA 4, IP55
Wind	100 MPH
Salt Spray	MIL-STD 202G

<b>Certifications</b>	ICAO compliant, section 5.3.5 FAA intensity capable, designed to E-3007
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<b>Warranty</b>	1 year with options
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