



Standard



Permanent Mount



AC Input



Battery Backup

Optional



Heated Lens



Tilt Switch



Solar



IR Output

The **AV-PAPI** is a highly efficient LED Precision Approach Path Indicator. It is available in a 4-Box or 2-Box configuration.

Key Features:

- LED Optics with High Energy Efficiency
- AC and DC Solar Power Operation
- Permanent and Portable Options
- Minimal Maintenance Requirement



AV-PAPI with Permanent Mount Installation



AV-PAPI with Portable Mount Installation

Patented LED Optics

Innovative optical system achieves the industry's lowest power consumption, uniform intensity, and sharpest red/white transition to convey critical approach slope information to the pilot.

Field Proven Design

Now in its 3rd generation, hundreds of PAPI systems have been deployed around the world. The PAPI is designed and manufactured for high reliability and minimal service cost.

Permanent or Portable Operations

Designed for rapid deployment in temporary airfields, or long-term service in permanent airfields.

Designed for Commercial or Military Applications

The Avlite LED PAPI is one of the only PAPIs on the market capable of supporting visual and infrared operational states within the same optic. Switchable by ground operators, the PAPI allows pilots to identify approach slope information using traditional means of red/white light or flashing infrared combinations.





AV-PAPI

AC

DC

Light Characteristics

Light Source	LED
Available Colors	White/Red
Intensity Adjustments	3 or 5 step intensity
Operating time at maximum intensity	4 hours
LED Life Expectancy (hours)	>100,000

Electrical Characteristics

Circuit Protection	Integrated	
Operating Voltage	90-264VAC 50/60 Hz	24VDC
Temperature Range	-40 to 122°F / -40 to 55°C	

Solar Characteristics

Solar Module Type	Monocrystalline
Output (Watts)	600 (2 x 300watt)
Charging Regulation	MPPT

Power Supply

Battery Type	Sealed Lead Acid (SLA)
Battery Capacity (Ah)	50
Nominal Voltage (V)	24
Charger	Integrated in Battery Box
Rated Power	480 W
Input Voltage	90-264VAC 50/60 Hz

Physical Characteristics

Body Material	Painted aluminum
Lens Material	Optical glass
Mounting	Permanent and portable
Height (inches/mm)	Permanent (with mounts): Supplied 30.42 / 773 Portable: Extended 19.45 / 494 Collapsed 14.2 / 361
Width (inches/mm)	Permanent (with mounts): 17.38 / 441 Portable: 13.22 / 336
Length (inches/mm)	Permanent (with mounts): 28.59 / 726 Portable: 26.47 / 672
Weight (lb/kg)	Permanent (with mounts): 17.8 / 8.07 Portable: 25 / 11.34
Service Life	Up to 12 years

Environmental Factors

Temperature - Operational	-31 to 131 °F / -35 to 55 °C
Temperature - Storage	-67 to 176 °F / -55 to 80 °C
Wind Speed	100 mph / 161 kph

Compliance

FAA	L-880 (4 LHA) and L-881 (2 LHA) AC 150/5345-28H Certified Style A Class I
ICAO	Annex 14 Part 1 PAPI (2 & 4 LHA) & APAPI (2 LHA) Compliant
UFC	3-535-01 (4 LHA) Compliant
DGAC	Pending
CE	EN61000-6-4:2012, EN61000-6-2:2019
Quality Assurance	ISO 9001:2015
Trademarks	AVLITE® and AV-HMALS® are a registered trademark of Avlite Systems
Patents	U.S. Patent No. US 9,863,601 B2

Other

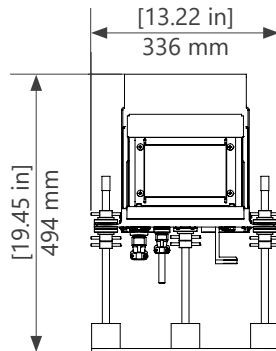
Warranty *	Avlite PAPI systems (AV-PAPI) are warranted against mechanical and physical defects in design or manufacture for a period of 12 months from date of installation or 24 months from shipment date; and are warranted against electrical defects in design or manufacture of the LED or LED specific circuitry for a period of 4 years per FAA EB67 (applicable edition).
Available Options	Infrared Tilt Switch Heated Lens
Terms and Conditions	Please refer to product installation manual for further specifications. Warranty Terms and Conditions available at www.avlite.com .



AV-PAPI with Permanent Mount



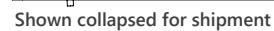
Technical drawing of the 1000 Series 3-Column Hydraulic Test System. The drawing shows a top-down view of the system with three vertical columns supporting a central load frame. Dimensions are provided: a height of [10.70 in] / 272 mm for the main frame and a width of [17.38 in] / 441 mm for the base.



A 3D rendering of the AV-PAPI system with its portable mount. The system consists of a black, rectangular, foldable enclosure mounted on a silver-colored metal frame. The frame is supported by four adjustable legs, each with a white, cylindrical base. The enclosure is shown in a partially open position, revealing internal components.



Technical drawing of the device in its collapsed state for shipment. The drawing shows the device's profile with dimensions: a horizontal length of 26.47 in (672 mm) and a vertical height of 14.20 in (361 mm). The text "Shown collapsed for shipment" is present at the bottom.



Side view

3°

A

B

[28.59 in]
726 mm

A

B

Minimum (inches/mm)	15.52 / 394	22.27 / 566
Supplied (inches/mm)	23.67 / 601	30.42 / 773
Maximum (inches/mm)	35.92 / 912	42.67 / 1083



- 1** Product Number
- 2** Mounting
 - P0 Permanent Installation
 - P1 Portable Installation
- 3** Input Voltage
 - UM 90-264VAC 50/60 Hz
 - 24 24 VDC
 - 66 6.6 A Constant Current
- 4** Options
 - 0 No Options
 - 1 Tilt Switch
 - 2 Heated Lens
 - 3 Heated Lens, Tilt Switch
 - 4 Infrared
 - 5 Infrared, Tilt Switch
 - 6 Infrared, Heated Lens
 - 7 Infrared, Heated Lens, Tilt Switch
- 5** Color
 - 0 FAA Orange
 - 1 ICAO Yellow
 - 2 Marine Grade FAA Orange
 - 3 Marine Grade ICAO Yellow
 - 4 Desert Sand
 - 5 NATO Green
 - 6 Marine Grade Desert Sand
 - 7 Marine Grade NATO Green