

LED PAPI / APAPI

LED Precision Approach Path Indicator

The Avlite LED PAPI is a highly efficient Precision Approach Path Indicator that uses LEDs as a light-source to provide low maintenance, low power consumption and high levels of reliability. The unit operates from 24VDC for energy efficiency and increased safety, and can be supplied with optional solar power supplies, AC input or traditional CCR.

Patented LED Optics

Innovative optics achieve the industry's lowest power consumption, uniform intensity, and sharpest red/white transition for critically accurate approach slope information to the pilot.

Field Proven Design

The Avlite LED PAPI was developed by Laser Guidance Inc, a United States designer and manufacturer of high precision aviation lighting products. Now in its 2nd generation, over 100 systems have been deployed globally in regions including the Americas, Europe, Middle East, Asia and Africa.

Permanent or Portable Operations

Available with permanent frangible or temporary mounting legs, the PAPI is designed to support various usage conditions.

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 visual PAPI allows pilots to identify approach slope information using traditional means of WHITE/RED light combinations. Infrared mode allows pilots using night vision equipment to approach on the same reference points using a combination of steady and occulting outputs.



💰 Cost Effective

- Low power consumption
- Low ongoing maintenance costs

📦 Optional Add Ons

- Solar power supplies
- Mounting Solutions

✈️ Applications

- Airfield Lighting

📈 High Performance

- Fully integratable into an Avlite runway system
- On demand operation

✅ Reliable

- No bulbs blown – ever
- Latest LED technology
- No Moving parts

📄 Compliance

- Photometrically compliant to ICAO, FAA, STANDG and UFC standards

Technical Specifications *

LED PAPI - LED Precision Approach Path Indicator

Optics

High power LEDs with proper heat management ensures stable photometrics for life of product
FAA L-880/881 & E-3007 (2 & 4 LHA) compliant

ICAO Annex 14 PAPI (2 & 4 LHA) & APAPI (2 LHA) compliant STANAG 3316 PAPI (2 & 4 LHA) & APAPI (2 LHA) compliant UFC 3-535-01 (4 LHA) compliant

Optical glass lens

Power Options

Solar Station	Solar panels, mounting hardware, batteries, enclosures, air transportable container, AC input for backup
Generator Kit	Gas or diesel generator, AC input for backup
Battery Kit	Batteries & enclosures, AC input for backup
AC Only	100 - 240 VAC 50/60 Hz, 3 & 5 step current input
CCR	3 & 5 step current input

Control Options

Non-Wireless	AC input of 3 & 5 step current, local control
Wireless	2.4GHZ Mesh Network

Construction

Powder coated aluminum chassis with integrated handles, aviation orange standard, yellow and other colors available

Stainless steel & anodized aluminum hardware

Integrated digital level

Temperature

-67 to 131 °F (-55 to +55 °C) - Ambient

-67 to 176 °F (-55 to +80 °C) - Storage

Wind Loading

100 mph (45 m/s)

Ingress

NEMA 4 & EN 60529 IP 55

Intellectual Property

Patents U.S. Patent No. US 9,863,601 B2

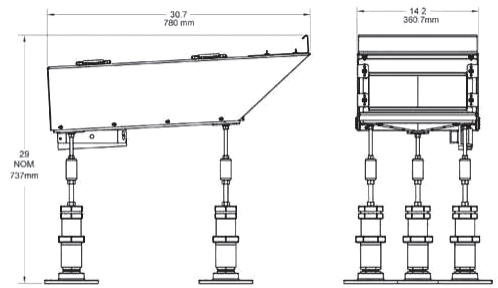
Trademarks AVLITE® is a registered trademark of Sealite Pty Ltd

Standard Configurations

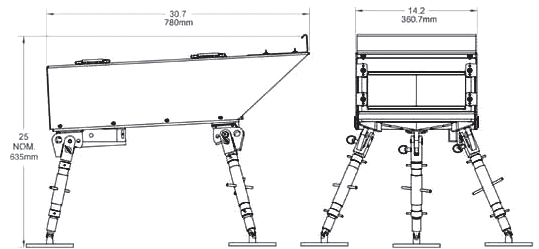
Model	Size	Mounting	Output	Power	Control
PAPI	Abbreviated 2 LHA	Permanent	Visible	Solar Kit	Non-Wireless
	Standard 2 LHA	Portable	Visible / IR	Generator Kit	Wireless
	Standard 4 LHA			Battery Kit	
				AC	

• Specifications subject to change or variation without notice
* Subject to standard terms and conditions
† Intensity setting subject to solar availability

Technical Illustration

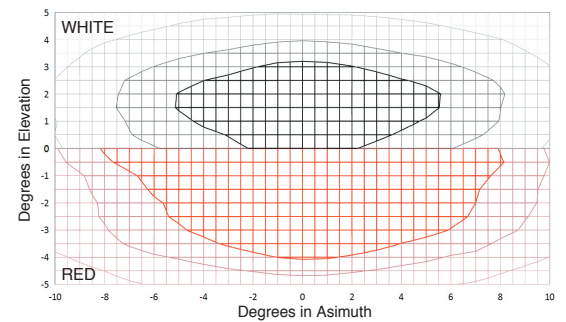


Permanent Mount



Portable Mount

Photometric Output



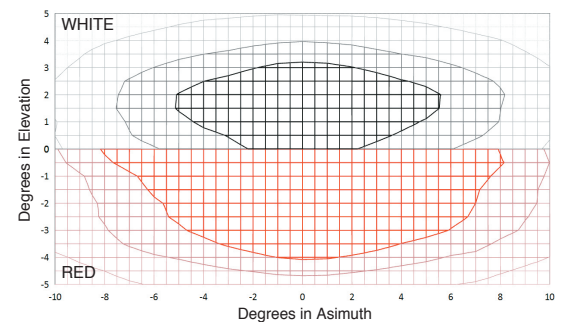
PAPI Isocandela

WHITE (cd)

- 0-10000
- 10000-20000
- 20000-30000
- 30000+

RED (cd)

- 0-10000
- 10000-20000
- 20000-30000
- 30000+



APAPI Isocandela

WHITE (cd)

- 0-5000
- 5000-10000
- 10000-15000
- 15000+

RED (cd)

- 0-2500
- 2500-5000
- 5000-7500
- 7500+