

# 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, STANAG 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

<b>Solar Station</b>	Solar panels, mounting hardware, batteries, enclosures, air transportable container, AC input for backup
<b>Generator Kit</b>	Gas or diesel generator, AC input for backup
<b>Battery Kit</b>	Batteries & enclosures, AC input for backup
<b>AC Only</b>	100 - 240 VAC 50/60 Hz, 3 & 5 step current input
<b>CCR</b>	3 & 5 step current input (65w transformer per LHA)

#### Control Options

<b>Wired</b>	AC input of 3 & 5 step current, local control
<b>Wireless</b>	2.4GHZ Mesh Network
<b>Photocell</b>	Automatic intensity control day & night

#### 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

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

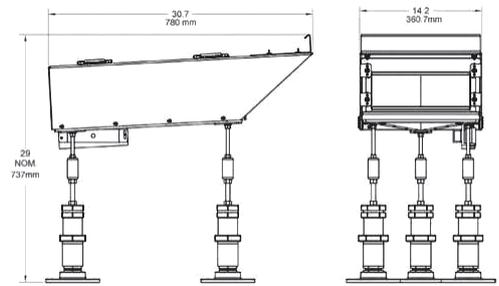
## Standard Configurations

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

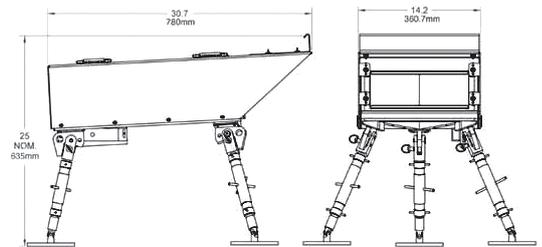
### Notes

- Tilt switch and heated lens available upon request
- Heated lens with CCR option requires 100w transformer

## Technical Illustration

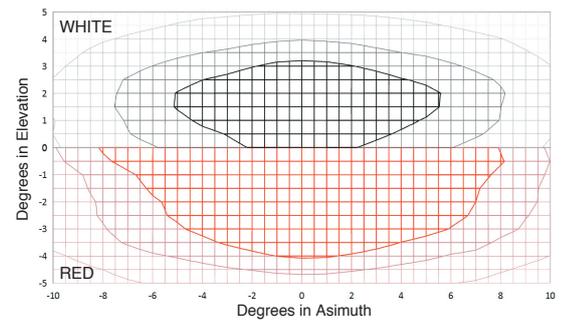


Permanent Mount



Portable Mount

## Photometric Output

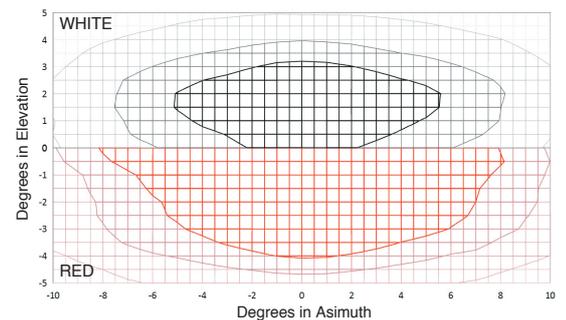


PAPI Isocandela

WHITE (cd)

RED (cd)

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



APAPI Isocandela

WHITE (cd)

RED (cd)

0-5000	0-2500
5000-10000	2500-5000
10000-15000	5000-7500
15000+	7500+