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.

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**Cost Effective**
- Low power consumption
- Low ongoing maintenance costs

**Optional Add Ons**
- Solar power supplies
- Mounting Solutions

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

**Applications**
- Airfield Lighting

**High Performance**
- Fully integratable into an Avlite runway system
- On demand operation

**Compliance**
- Photometrically compliant to ICAO, FAA, STANAG and UFC standards

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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.

### Physical Characteristics
- **Height (mm/inches):** 737 / 29
- **Width (mm/inches):** 780 / 30.7
- **Weight:** PAPI-30.5lbs; APAPI-17.5lbs

### Electrical Characteristics
- **Current Draw:** PAPI: 216W; APAPI: 45W
- **Power Options:**
  - Solar Station: Solar panels, mounting hardware, batteries, enclosures, air transportable container, AC input for backup.
  - Generator Kit: Gas or diesel generator, AC output for charging and back up power.
  - Battery Kit: Batteries & enclosures, AC input for charging and back up power.
  - AC Only: 100 - 240 VAC 50/60 Hz, 3 & 5 step current input.
  - CCR: 3 & 5 step current input (65w transformer per LHA).

### Control Options
- **Wired:** Wired relay control powerline control.
- **Wireless:** 2.4GHZ Mesh Network.
- **Photocell:** 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
- **Ambient:** -67 to 131 ºF (-55 to +55 ºC)
- **Storage:** -67 to 176 ºF (-55 to +80 ºC)

### Wind Loading
- 100 mph (45 m/s)

### Ingress
- NEMA 4 & EN 60529 IP 55

### Intellectual Property
#### Patents

#### Trademarks
- AVLITE® is a registered trademark of Sealite Pty Ltd

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- Specifications subject to change or variation without notice.
- Subject to standard terms and conditions.

### Standard Configurations

<table>
<thead>
<tr>
<th>Model</th>
<th>Size</th>
<th>Mounting</th>
<th>Output</th>
<th>Power</th>
<th>Control</th>
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</thead>
<tbody>
<tr>
<td>PAPI</td>
<td>Abbreviated 2 LHA</td>
<td>Permanent</td>
<td>Visible</td>
<td>Solar Kit Generator Kit</td>
<td>Wired</td>
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<tr>
<td></td>
<td>Standard 2 LHA</td>
<td>Portable</td>
<td>Visible/IR</td>
<td>Battery Kit</td>
<td>Wireless</td>
</tr>
<tr>
<td></td>
<td>Standard 4 LHA</td>
<td></td>
<td></td>
<td>AC</td>
<td>Photocell</td>
</tr>
</tbody>
</table>

**Notes**
- Tilt switch and heated lens available upon request.
- Heated lens with CCR option requires 100W transformer.

### Technical Illustration

- Permanent Mount
- Portable Mount
Photometric Chart

<table>
<thead>
<tr>
<th>Sample Code</th>
<th>Test</th>
<th>Initial</th>
<th>Powered by</th>
<th>DC</th>
<th>Primary Voltage</th>
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<tbody>
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<td>CRT1406220955-001</td>
<td>24VDC</td>
<td>24VDC</td>
<td>Transformer Make</td>
<td>NA</td>
<td>Primary Current</td>
</tr>
</tbody>
</table>

Lamp: LED

Color: n/a

Transformer Size: NA

Secondary Current: n/a

White

<table>
<thead>
<tr>
<th>Color</th>
<th>Minimum</th>
<th>Maximum</th>
<th>Red</th>
<th>Minimum</th>
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<tr>
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</tbody>
</table>

Degrees in Asimuth

Degrees in Elevation

Horizonal Degrees

Vertical Degrees

All Measurements Are In Candels

How to Order

AV-PAPI Precision Approach Path Indicator

Product No.:

Standard/Size:
A = ICAO Abbreviated-PAPI 2-LHA
2 = FAA 2-LHA
4 = FAA/ICAO 4-LHA

Mounting:
P0 = Permanent
P1 = Portable

Input Voltage:
UM = 120-24-VAC
24 = 24VDC
66 = 6.6A Constant Current

Options:
IR = Infrared
RF = Radiofrequency Control
HL = Heated Lens
TS = Tilt Switch
PC = Photocell Control

*Note: Provide required options and exact part number will be provided at time of quote.