The Avlite LED APAPI 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 in an extremely compact form factor. 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 APAPI was developed by Laser Guidance Inc, a United States designer and manufacturer of high precision aviation lighting products. Now in its 3rd 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 APAPI is designed to support various usage conditions.

**Designed for Commercial or Military Applications**
The Avlite LED APAPI is one of the only APAPIs 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 (representing white) and flashing (representing red) signals.

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

**Optional Add Ons**
- Solar power supplies
- Fixed or portable

**Applications**
- Airfield Lighting
- Precision Approach Path Guidance

**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, STANAG and UFC standards

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USA
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info@avlite.com
www.avlite.com
**Technical Specifications**

### LED APAPI - LED Abbreviated Precision Approach Path Indicator

#### Optics
High power LEDs with proper heat management ensures stable photometrics for life of product
ICAO Annex APAPI & APAPI (2 LHA) compliant STANAG 3316 & APAPI (2 LHA) compliant UFC 3-535-01 (4 LHA) compliant
Optical glass lens with MIL-PEC scratch resistant coating

#### Physical Characteristics

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Height(mm/inches)</strong></td>
<td>30.42” [773 mm]</td>
</tr>
<tr>
<td><strong>Width(mm/inches)</strong></td>
<td>17.38” [441 mm]</td>
</tr>
<tr>
<td><strong>Weight(lbs)</strong></td>
<td>17.5 lbs [7.9 kg]</td>
</tr>
</tbody>
</table>

#### Electrical Characteristics

<p>| |</p>
<table>
<thead>
<tr>
<th></th>
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</thead>
<tbody>
<tr>
<td><strong>Current Draw</strong></td>
</tr>
</tbody>
</table>

#### Power Options

- **Solar Station**
  - Solar panels, mounting hardware, batteries, enclosures, air transportable container, AC input for backup

- **Generator Kit**
  - Standard Gas or Diesel available.
  - Optional Flex Fuel Generator runs with JP-8/F-24, F-34 NATO, gasoline, propane, methanol, isopropanol

- **Battery Kit**
  - Batteries & enclosures, AC input for charging and back up power

- **AC**
  - 100 - 240 VAC 50/60 Hz
  - 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

- Painted aluminum chassis, aviation orange standard, yellow and other colours available, handles on portable version
- Stainless steel & painted aluminum hardware
- Digital level provided

#### 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 66

#### 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

### Notes

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

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### Technical Illustrations

- **Permanent Mount**
- **Portable Mount**
Photometric Output

<table>
<thead>
<tr>
<th>Sample</th>
<th>Powered by</th>
<th>DC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Test PAV (0.35, 0.36) Transformer Make</td>
<td>NA</td>
<td>Secondary Voltage</td>
</tr>
<tr>
<td>Lamp 1</td>
<td>Transformer Size</td>
<td>NA</td>
</tr>
</tbody>
</table>

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

Avlite’s APAPI has the sharpest red/white transition line for critically accurate approach slope information to pilots.

Verified by Intertek Report #103422443CRT-001

Transition Line

How to Order

AV-APAPI Abbreviated Precision Approach Path Indicator

<table>
<thead>
<tr>
<th>Product No.:</th>
<th>AV-APAPI</th>
<th>[?]</th>
<th>[?]</th>
<th>[?]</th>
<th>[?] *</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Standard/Size:</th>
<th>A = ICAO Abbreviated-PAPI 2-LHA</th>
<th>2 = FAA 2-LHA</th>
<th>4 = FAA/ICAO 4-LHA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mounting:</td>
<td>PO = Permanent</td>
<td>P1 = Portable</td>
<td></td>
</tr>
<tr>
<td>Input Voltage:</td>
<td>UM = 120-24-VAC</td>
<td>24 = 24VDC</td>
<td></td>
</tr>
<tr>
<td></td>
<td>66 = 6.6A Constant Current</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Options:</td>
<td>IR = Infrared</td>
<td>RF = Radiofrequency Control</td>
<td></td>
</tr>
<tr>
<td></td>
<td>HL = Heated Lens</td>
<td>TS = Tilt Switch</td>
<td></td>
</tr>
<tr>
<td></td>
<td>PC = Photocell Control</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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