The Avlite LED Series 3 PAPI is a highly efficient Precision Approach Path Indicator. It uses LEDs as a light-source to reduce maintenance, lower power consumption, and increase reliability, safety and visibility. The light head unit is designed for energy efficiency, and can be supplied with AC or DC voltage input, or optional solar power supplies. The Series 3 is also available with optional marine-grade finishes to withstand prolonged exposure in environments with high humidity and salinity.

Features
- **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 3rd generation, over 100 systems have been deployed globally on all seven continents.
- **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 or flashing infrared combinations.

Cost Effective
- Low power consumption
- Low maintenance

High Performance
- Fully integratable into an Avlite runway system
- Remote control options

Applications
- Airfield lighting

Certifications
- FAA L880/881 AC 150/5345-28H Style A, Class I includes Heated Lens and Tilt Switch options (Certification pending for FAA Style B)
- Photometrically compliant to ICAO, DGAC and UFC standards
- Buy American List

Reliable
- No bulbs blown – ever
- Latest LED technology
- No moving parts

Optional Add Ons
- Solar power supplies
- Mounting solutions
- Marine grade stainless steel
- External baffles (blanking devices)
### Technical Specifications •*

#### Electrical Characteristics

<table>
<thead>
<tr>
<th></th>
<th>AC</th>
<th>DC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Input Voltage</td>
<td>90-264VAC</td>
<td>24V Nominal (21 - 28 VDC)</td>
</tr>
<tr>
<td>Input Frequency</td>
<td>50/60 Hz</td>
<td>N/A</td>
</tr>
</tbody>
</table>

#### Power Consumption

<table>
<thead>
<tr>
<th></th>
<th>ICAO/FAA L-880 (4-Box)</th>
<th>FAA L-881 (2-Box)</th>
<th>ICAO APAPI</th>
</tr>
</thead>
<tbody>
<tr>
<td>ICAO/FAA L-880 (4-Box)</td>
<td>328 VA</td>
<td>161 VA</td>
<td>85 VA</td>
</tr>
<tr>
<td>FAA L-881 (2-Box)</td>
<td>267 W</td>
<td>134 W</td>
<td>70 W</td>
</tr>
</tbody>
</table>

#### Physical Characteristics

##### Body Material
Epoxy painted aluminum chassis with aviation orange standard; yellow and other colors available

##### Hardware Material
Stainless steel & anodized aluminum

##### Lens Design
Optical glass lens

##### Mounting
Permanent and portable

#### Dimensions (LHA Only)

<table>
<thead>
<tr>
<th></th>
<th>Height (inches/mm)</th>
<th>Width (inches/mm)</th>
<th>Length (inches/mm)</th>
<th>Weight (lb/kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Permanent</td>
<td>Minimum: 22.27 / 566</td>
<td>12.75 / 324</td>
<td>26.87 / 682</td>
<td>17.6 / 8.07</td>
</tr>
<tr>
<td></td>
<td>Supplied: 30.42 / 773</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Maximum: 42.67 / 1083</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th></th>
<th>Height (inches/mm)</th>
<th>Width (inches/mm)</th>
<th>Length (inches/mm)</th>
<th>Weight (lb/kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Portable</td>
<td>Extended: 19.45 / 494</td>
<td>13.22 / 335</td>
<td>26.47 / 672</td>
<td>25 / 11.34</td>
</tr>
<tr>
<td></td>
<td>Collapsed: 14.2 / 360</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### Environmental Factors

<table>
<thead>
<tr>
<th></th>
<th>-31 to 131 °F (-35 to +55 °C) - Ambient</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>-67 to 176 °F (-55 to +80 °C) - Storage</td>
</tr>
</tbody>
</table>

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

#### Certifications and Compliance

<table>
<thead>
<tr>
<th></th>
<th>EN61000-6-3:2007</th>
</tr>
</thead>
<tbody>
<tr>
<td>CE</td>
<td>EN61000-6-1:2007</td>
</tr>
</tbody>
</table>

#### Quality Assurance
ISO 9001:2015

<table>
<thead>
<tr>
<th></th>
<th>Annex 14 Part 1 PAPI (2 &amp; 4 LHA) &amp; APAPI (2 LHA) Compliant</th>
</tr>
</thead>
<tbody>
<tr>
<td>ICAO</td>
<td>FAA L-880/881 (2 &amp; 4 LHA) AC 150/5345-28H Certified Style A Class I</td>
</tr>
<tr>
<td>FAA</td>
<td>3-535-01 (4 LHA) Compliant</td>
</tr>
<tr>
<td>UFC</td>
<td>Pending</td>
</tr>
</tbody>
</table>

#### Intellectual Property

|---------------------|---------------------------------|

#### Trademarks
AVLITE® is a registered trademark of Avlite Systems

#### 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).

#### Options Available
- IR mode
- Solar power supply
- Generator kit
- Battery kit
- 2.4 GHz, PALC/ARCAL
- Hardwired control
- Mounting solutions
- Marine grade stainless steel
- External baffles (blanking devices)

### Available Configurations

<table>
<thead>
<tr>
<th>Model</th>
<th>Size</th>
<th>Mounting</th>
<th>Output</th>
<th>Power</th>
<th>Control</th>
</tr>
</thead>
<tbody>
<tr>
<td>PAPI</td>
<td>Standard 2 LHA</td>
<td>Permanent</td>
<td>Visible</td>
<td>Solar Kit</td>
<td>Wired</td>
</tr>
<tr>
<td></td>
<td>Standard 4 LHA</td>
<td>Portable</td>
<td>Visible / IR</td>
<td>Generator Kit</td>
<td>Wireless</td>
</tr>
<tr>
<td></td>
<td>Marine Grade PAPI</td>
<td></td>
<td>Battery Kit</td>
<td>AC</td>
<td>Photocell</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>CCR</td>
<td></td>
</tr>
</tbody>
</table>
How to Order AV-PAPI Series 3

Product No.: AV-PAPI - [?] - [??] - [??] - [??] - [??] - [?]

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 = 100-240VAC (FAA Style A)
24 = 24VDC

Options:
0 = None
1 = Radiofrequency Control
2 = Infrared Only
3 = Infrared and Radiofrequency Control
4 = Heated Lens
5 = Radiofrequency Control and Heated Lens
6 = Infrared and Heated Lens
7 = Infrared, Radiofrequency Control, and Heated Lens
8 = Tilt Switch
9 = Radiofrequency Control and Tilt Switch
10 = Infrared and Tilt Switch
11 = Infrared, Radiofrequency Control, and Tilt Switch
12 = Heated Lens and Tilt Switch (Standard FAA Version)
13 = Radiofrequency Control, Heated Lens, and Tilt Switch
14 = Infrared, Heated Lens, and Tilt Switch
15 = Infrared, Radiofrequency Control, Heated Lens, and Tilt Switch

Color:
0 = FAA Orange
1 = ICAO Yellow
2 = Marine Grade Orange
3 = Marine Grade Yellow
4 = Desert Sand
5 = NATO Green
6 = Marine Grade Desert Sand
7 = Marine Grade NATO Green

*Note: Multiple/all options are available together.