



## **Precision Approach Path Indicator (PAPI): Introducing Series 3 A Better Choice for Glideslope Guidance**

### **PAPI (Precision Approach Path Indicators)**

The primary function of a PAPI is to assist the pilot by providing visual glide slope guidance for non-precision approaches. PAPI systems have an effective visual range of at least 3 miles during the day and up to 20 miles at night. The PAPI light units (2 or 4) are normally in a row on the left side of the runway. The glide path indications (4 units) are displayed as two red and two white lights when on the glide path angle of approach. The other light combinations indicate when slightly low (3 red, 1 white), significantly low (4 red), slightly high (3 white, 1 red) and significantly high (4 white). A two-unit system provides glide path indications (1 red, 1 white) for on the glide angle, too high (2 white) and too low (2 red).

### **LED vs. Halogen**

Over the last decade, airports started installing PAPIs with LED technology. The benefits of LED include lower power, reduced maintenance and a better user experience. LEDs use one-fifth the power of its halogen equivalent. LEDs boast a 100,000 hours life cycle, more than sixty times longer than a halogen lamp. LEDs provide better clarity than halogen when viewed by the pilot. The FAA has published side-by-side comparisons demonstrating the increased clarity.

### **Our Solution**

Laser Guidance Inc., acquired by Avlite Systems in 2018, had previously produced and installed PAPI systems worldwide based on LED technology since 2008. Today, Avlite is proud to announce the release of its Series 3 LED PAPI L-880/L-881, which is Intertek certified to FAA AC 150/5345-28H for Style A Class I (certification is pending for FAA Style B); along with ICAO photometric and chromaticity third party testing. Our Series 3 PAPI meets both FAA and ICAO requirements in the same compact, lightweight version. Patented LED optics achieve lowest power consumption, highest intensity, and sharpest red-white transition definition to provide critically accurate approach slope information to the pilot. In addition, like all our PAPI versions, the Series 3 production is in the USA and has an approved FAA National Buy American Waiver.

We believe **technology improves navigation™**

#### **AVLITE SYSTEMS**

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## **Quality, safety and cutting-edge technology**

Avlite airfield lighting delivers maximum light intensity and uniformity for enhanced aviation safety. Avlite are leaders in LED technology. We have dedicated research and development teams working with engineers to produce leading edge airfield lights with almost maintenance-free operation and reliable service.

## **Customer Excellence. Always.**

Tara Stewart  
President  
Sealite USA t/a Avlite Systems

