

LED Precision Approach Path Indicator



AIRFIELD LIGHTING

LOW POWER CONSUMPTION LOW MAINTENANCE

LATEST LED TECHNOLOGY

The LED Series 3 PAPI is a highly efficient Precision Approach Path Indicator that uses LEDs as a light-source to reduce maintenance, lower power consumption, and increase reliability, safety and visibility.

The PAPI unit (Light Head Assembly - LHA) is designed for energy efficiency and can be supplied with: AC or DC voltage input or solar power supply by means Power Control Unit (Style A); CCR input by means series circuit (Style B).

The Series 3 is also available with optional marine-grade finishes to withstand prolonged exposure in environments with high humidity and salinity.

AC150/5345-28H, L880/L881
Style A, Class I - Style B, Class I

FAA

Photometrically compliant

ICAO

Photometrically compliant

DGAC

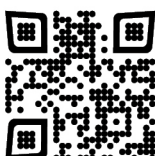
Photometrically compliant

UFC

ocem



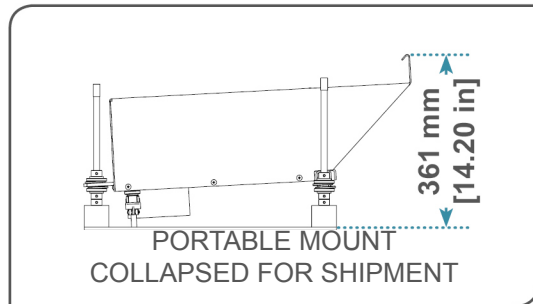
avlite



ocem.com
avlite.com

TECHNICAL ILLUSTRATIONS

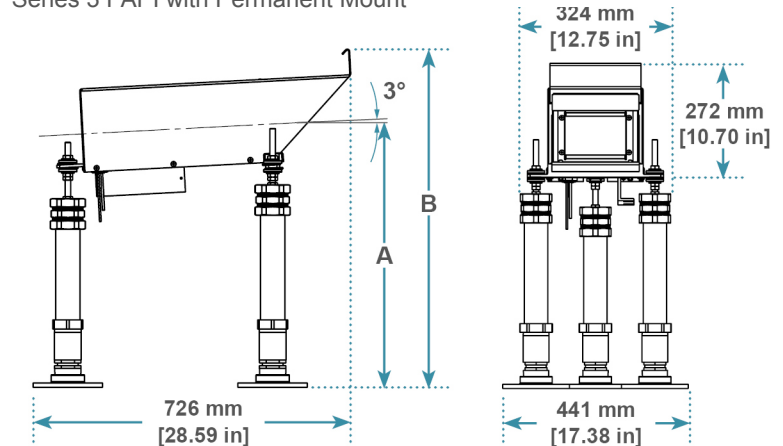
Height	A	B
Minimum	394 mm [15.52 in]	566 mm [22.27 in]
Supplied	601 mm [23.67 in]	773 mm [30.42 in]
Extended	912 mm [35.92 in]	1083 mm [42.67 in]



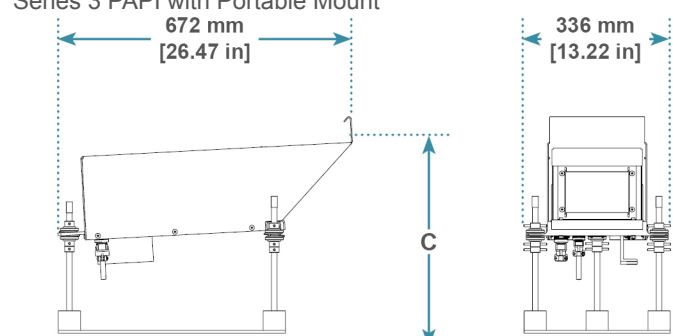
Height	C
Collapsed	361 mm [14.20 in]
Extended	494 mm [19.45 in]

	Permanent	Portable
Weight	8.07 kg [17.8 lb]	11.34 kg [25.0 lb]

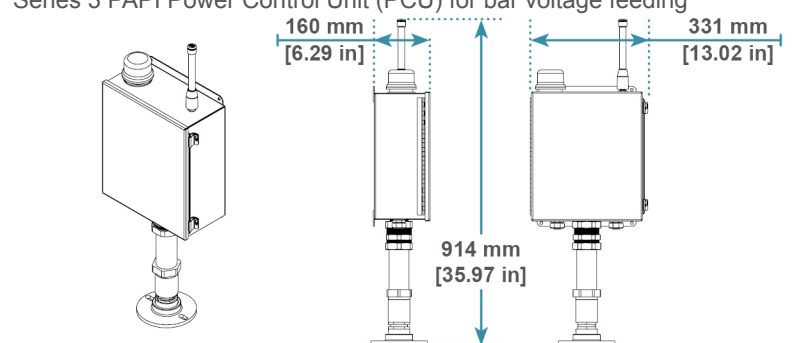
Series 3 PAPI with Permanent Mount



Series 3 PAPI with Portable Mount



Series 3 PAPI Power Control Unit (PCU) for bar voltage feeding



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. Degree of mechanical protection: IP21
- Field Proven Design
The OCEM 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 OCEM 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.

AVAILABLE CONFIGURATIONS

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

HOW TO ORDER

example: AV-PAPI		4	-	P0	-	66	-	15	-	0
Standard/Size		↑		↑		↑		↑		↑
A = ICAO Abbreviated-PAPI 2-LHA (Light Head Assembly)										
2 = FAA 2-LHA (Light Head Assembly)										
4 = FAA/ICAO 4-LHA (Light Head Assembly)										
Mounting				↑						
P0 = Permanent										
P1 = Portable										
Input						↑				
UM = 100-240 V _{AC} (FAA Style A)										
24 = 24 V _{DC}										
66 = CCR 3 & 5 step 2.8 A to 6.6 A (FAA Style B)										
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										



TECHNICAL SPECIFICATION

	CCR	AC	DC
Electrical Characteristics			
Input Current Range	3 & 5 step 2.8 A to 6.6 A (100 W isolation transformer per LHA)	90 - 264 V _{AC}	24 V Nominal (21 - 28 V _{DC})
Input Frequency	50/60 Hz	50/60 Hz	N/A
Power Consumption			
ICAO/FAA L-880 (4-Box)	316 VA	328 VA	267 W
FAA L-881 (2-Box)	158 VA	161 VA	134 W
ICAO APAPI	77 VA	85 VA	70 W
Physical Characteristic			
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		
Environmental Factors			
Temperature	from -35 to +55 °C [-31 to 131 °F] - Ambient from -55 to +80 °C [-67 to 176 °F] - Storage		
Wind Loading	161 km/h [100 mph]		
Protection degree	IP 65		
Certifications and Compliances			
CE	EN61000-6-3:2007 EN61000-6-1:2007		
Quality Assurance	ISO 9001:2015		
ICAO	Annex 14 Part 1 PAPI (2 & 4 LHA) & APAPI (2 LHA) Compliant		
FAA	L-880/881 (2 & 4 LHA) AC 150/5345-28H		
	Cerified Style B Class I	Certified Style A Class I	
UFC	3-535-01 (4 LHA) Compliant		
DGAC	compliant	compliant	
Photobiological Safety Standards	Per Table 1 of IEC 62471-2/TR:2009, the SEALITE USA LLC DBA AVLITE SYSTEMS model AV-PAPI Series 3 at the 20 cm test distance met the Exempt Group criteria for all hazard categories except for Blue Light Hazard which met the Risk Group 1 criteria. Per Table 1 of IEC 62471-2/TR:2009, the SEALITE USA LLC DBA AVLITE SYSTEMS model AV-PAPI Series 3 is classified as Risk Group 1.		
Intellectual Property			
Patents	U.S. Patent No. US 9,863,601 B2		
Trademarks	OCEM AVLITE® is a registered trademark of Avlite Systems		
Warranty	OCEM 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	• 2.4 GHz, PALC/ARCAL • Hardwired control • Mounting solutions • Marine grade stainless steel • External baffles (blanking devices)		

The Manufacturer reserves the right to modify or update the technical parameters at any time without prior notice to Customer.

