Unique light engine & optical system
FAA & ICAO compliant
Ultra low power consumption
Secure radio remote control
Full PAPI (4 Box) or 'A' PAPI (2 Box) system
Compact, lightweight & rugged construction
IR output as standard
Portable Precision Approach Path Indicator LED

Using the most advanced LED and optical technology available, Metalite Aviation Lighting’s new PAPI LED (Precision Approach Path Indicator) provides a world leading energy efficient and versatile Portable PAPI System. Metalite’s unique light engine and optical system delivers unrivalled battery run times and highly efficient charging cycles, resulting in a reduced total cost of ownership and a low carbon footprint.

The PAPI LED remote control uses a selection of communication methods allowing virtually unlimited transmission distances when lights are within range of each other. The PAPI may also be equipped with a secure 128bit encrypted radio receiver if required.

The robust design of the units ensures high portability to allow rapid deployment at either end of the runway in the harshest of environments. The PAPI LED is secured via the supplied base-plates to hard or soft surfaces to ensure stability and a digital inclinometer provides accurate calibration every time.

Metalite’s renowned outstanding build quality ensures a low maintenance investment for your airside ground lighting requirements for many years to come. The PAPI LED may be deployed either as an ‘A’ PAPI (2 box system) or Full PAPI (4 box system) allowing flexibility for various deployment requirements. When supplied as part of the MOSKIT LED AT, an ‘A’ PAPI system is provided as standard with an option to increase this to a full PAPI system.

**FEATURES & BENEFITS:**
- **Unique Optical Design**
- **Improved light efficiency and battery running time**
- **Compact, Lightweight & Rugged Construction**
- **Ensuring versatility and portability**
- **‘A’ PAPI (2 box) or Full PAPI (4 box) Systems Available in Manual & Secure Radio Control Options**
- **Provides system flexibility for various deployments**
- **Powered from Portable PAPI Battery Packs or Alternative Sources (Generator, Solar, Wind or Mains 110 – 240VAC etc)**
- **Flexible power input options (requirements to be specified at time of enquiry)**
- **Adjustable Intensity Settings**
- **5 intensity settings to meet multiple ICAO and FAA requirements**
- **High Capacity Replaceable Battery Pack as Standard**
- **Option to upgrade to ultra high capacity giving greatly extended running times per charge**
- **Semi Permanent or Fixed Mountings**
- Semi permanent galvanised steel frame or permanent FAA frangible mounts available

**SPECIFICATIONS:**

**LIGHT CHARACTERISTICS:**
- **Light Source:** Ultra High Intensity LEDs / IR
- **Configurations:** Visible/IR
- **Light Output In Accordance with FAA-E-3007 AC:** 30,000cd / 15,000cd
- **Light Output In Accordance with ICAO Annex 14 Vol.1:** 15,000cd / 7,500cd
- **Colours:** Aviation White, Aviation Red
- **PI Output:** 880nm (Other options available)
- **Endurance Steady Light FAA (Low, Med, High):** > 200hrs, 16hrs and 8hrs*
- **Endurance Steady Light ICAO (Low, Med, High):** >400hrs, 30hrs and 15hrs*
- **Intensity Adjustments:** 3 Settings
- **Approach Angle:** 0° – 12°
- **Horizontal Output FAA Specification:** -10° – +10°
- **Horizontal Output ICAO Specification:** 0° – 10°
- **Vertical Divergence FAA Specification:** 0° – 4° Red, 0° – 4° White
- **Vertical Divergence ICAO Specification:** 0° – 3.5° Red, 0° – 3.5° White
- **Transition:** Better than 3 minutes of arc
- **LED Life Expectancy:** >60,000hrs

**OPERATION**
- **Function:** Manual or Radio Control (Optional)
- **Wireless Radio Receiver (Optional):** 868 or 915MHz MESH Network + 128 bit Encryption

**ELECTRICAL CHARACTERISTICS**
- **Operating Temperature:** -40°C – +60°C
- **Power Source:** Battery Packs, Solar & Generator
- **Nominal Voltage:** 12 – 24VDC or 110 – 240VAC
- **Circuit Protection:** Integrated
- **Charging Time of Battery Packs (Mains):** 8hrs* (From AC Power Source)

**MECHANICAL**
- **Base/Optical Bench:** Aluminium
- **Casing:** Glass Reinforced Plastic (GRP) Available in Yellow, Orange or Green
- **Dimensions (HiWad):** 338 x 304 x 907mm
- **Weight:** 24.52kg (54lb) per PAPI Light House Assembly, PCU dependant on battery option (Std portable PCU 24Kg, 53lb)
- **IP Rating:** IP65

**COMPLIANCE**
- **CE:** Compliant
- **Environmental:** MIL Std 810F Series / EN61000
- **EMC:** MIL Std 461F Series / EN61000
- **Aviation:** FAA-E-3007 / AC150/5345-28G / ICAO Annex 14

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*Subject to environmental conditions

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