Precision Approach Path Indicator LED

- Unique light engine & optical system
- Digital inclinometer
- Radio controlled
- Ultra low power consumption
- Full PAPI (4 BOX) or 'A' PAPI (2 box) system
- Compact & rugged construction

NEW state of the art
LED light engine technology
Portable Precision Approach Path Indicator LED

Using the most advanced LED and optical technology available, Metalite Aviation Lighting's new portable 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 compact design of the units ensures high portability to allow rapid deployment at either end of the runway. Metalite’s renowned outstanding build quality also ensures a low maintenance investment for your airside ground lighting deployments for many years to come. When used in conjunction with the CALKIT LED trailer, the PAPI LED is designed to meet the photometric aviation regulations listed in the compliance table below.

FEATURES & BENEFITS
- Unique Optical Design
  Improved light efficiency and battery running time
- Compact, Lightweight and Rugged Construction
  Ensuring versatility and portability
- 'A PAPI (2 box) or Full PAPI (4 box) Systems Available in Manual and 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 – 230VAC etc.)
  Flexible power input options
- Adjustable Intensity Settings
  5 intensity adjustments and custom settings to meet multiple ICAO and FAA requirements
- High Capacity Replaceable PAPI Power Control and Battery Pack as Standard
  Option to upgrade to ultra high capacity giving greatly extended running times per charge
- Semi Permanent of Fixed Mountings
  Semi permanent galvanised steel frame or permanent FAA frangible mounts available

SPECIFICATIONS

LIGHT CHARACTERISTICS
- Light Source: Ultra High Intensity LED
- Configurations: Visible, IR (optional)
- Light Output: In accordance with FAA-E-3007 AC
  In accordance with ICAO Annex 14 Vol.1
- Colours: Aviation White, Aviation Red
- IR Output: 880nm (Other options available)
- Endurance Steady Light FAA (Low, Med, High) 8hrs, 16hrs and >200hrs*
  Endurance Steady Light ICAO (Low, Med, High) 15hrs, 30hrs and >400hrs*
- Intensity Adjustments: 3 Settings (std) up to 5 settings (optional)
- Approach Angle: 0° – 12°
- Horizontal Output FAA Specification: -10° – +10°
- Horizontal Output ICAO Specification: -8° – +8°
- Vertical Divergence FAA Specification: -4° – 0° Red, 0° – 4° White
- Vertical Divergence ICAO Specification: -3.5° – 0° 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

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

MECHANICAL
- Base/Optical Bench: Aluminium
- Casing: Glass Reinforced Plastic (GRP) Available in Yellow, Orange or Green
- Dimensions (HxWxD): 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
- ICE: Compliant
- Environmental: EN610000
- EMC: EN610000
- Aviation: FAA-E-3007
  AC150/5345-28G
  ICAO Annex 14

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*Subject to environmental conditions