

Portable Airfield Lighting System

AH-PALS



AH-PA-EMC Portable Airfield Lighting System is specially used on permanent airport/heliport where cable power is not convenient or temporary helipad, especially for medivac and other emergency situations.

Highly portable and easy to install the portable landing zone kit provides temporary illumination of any military or civilian helicopter landing surface or airfield.

Compliance

- ICAO Annex 14 Volume II Heliports 5.3.
- FAA AC NO. 150/5354-50B

Features

Electrical

- Ultra High intensity LED as light source saving power consumption and maintenance, 95% less power than equivalent incandescent light
- The LED light source guarantees high performance illumination high-performance illumination. Compatible Night Vision Goggles (NVG) are optional for "covert" operations with infrared (IR) emission.
- The light units are available with aeronautical colors and infrared (IR) lights. The basic airfield / helicopter landing zone function include: perimeter (green), threshold (green), runway end (red), runway (white), approach (white) lights.

Physical

- The system is self-contained in a easy to transport ruggedized suitcase(with wheels and handle) that includes a set of light units and other equipments to support the landing.
- Portable lights are supplied by rechargeable batteries and an "drop in" charger in suitcase. The batteries are recharged by simply inserting the lights into their slot and connecting the external power to the suitcase.

System design

- ON/OFF button located beside base
- LCD screen on front panel for battery status

Optional

- "ground to ground" wireless remote controller allows to manage the system from remote
- Solar charging system

Application

- Airport, Touchdown and Lift-off area (TLOF) , Final Approach and Take-off area (FATO) , Taxiway lighting, Runway edge lighting, Portable or expedited airfield lighting, Threshold lighting
- Helipad taxiway
- Emergency operations



APPLICATION



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SPECIFICATIONS

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Portable Airfield Lighting System

Light Unit

Light Source
Available Colors
Flash Characteristics
Operation Mode
LED Life Experience (hours)
Overall Size (mm)
Weight (kg)
Rechargeable Battery
Autonomy (hours)
Waterproof

ultra high intensity LED
Red, Green, Yellow, White, Blue, IR
Steady(Flashing mode is optional)
24hours working after switched ON
>100,000
170×132×112
2.4
Lithium ion battery, 12V/16AH
60hours
IP67

Suitcase

Overall Size (mm)
Weight (kg)
Battery charging input

500*600*250 (8pcs lights in, 6pcs is optional)
35kg(lights, solar panel, battery charger included)
110-240VAC

Wireless Remote Control

Frequency
Size (mm)
Weight (kg)
Remote control
Power Supply

433MHZ
83*30*550 (antenna included)
0.3
ON/OFF, flashing rate, emergency mode
3.7VDC for battery recharge by 90-230 VAC
Battery charger

Foldable Solar Panel

Folded sizes (mm)
Unfolded sizes (W*L)
Weight (kg)
Nominal system voltage
Nominal rated power

410*300*30
1440*410
3.1kg
18V
120W

Anchoring Stakes

Size (mm)
Material
Weight (kg)

31mm
Stainless Steel
0.06

SYSTEM CONFIGURATION

