















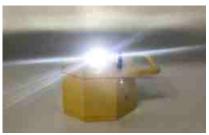
AL-PAL-1 Portable Airfield Lighting System is specially used on permanent airport/heliport where cable power is not convenient or temporary helipad, especially for medivac and other emergency situations.

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





### **APPLICATION**









### **Features**

### Electrical

- Ultra High intensity LED as light source saving power consumption and maintenance, 95% less power than equivalent incandescent
- 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 unites are available with aeronautical colors and infrared (IR) lights. The basic airfield / helicopter landing zone function include: TLOF perimeter (green), threshold (green), runway end (red), runway (white), approach (white) lights, flood Lights

- 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 equipment 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
- LED screen at the side of base 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**



# **Portable Airfield Lighting**

**System** 

**AL-PAL-1** 

### **SPECIFICATIONS**

Flash Characteristics

Overall Size (mm)

Rechargable Battery

Autonomy (hours) Waterproof

LED Life Experience (hours)

**Operation Mode** 

Weight (kg)

**Light Unit** 

### AL-PAL-1 Portable Airfield Lighting System





### Light Source **Available Colors**



























Overall Size (cm) Battery charging input

### **Wireless Remote Control**

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

### **Foldable Solar Panel**

Folded sizes (mm)

Unfolded sizes (W\*L) Weight (kg) Nominal system voltage Nominal rated power **Anchoring Stakes** 

Size (mm)

Material Weight (kg) Ultra high intensity LED

Red, Green, Yellow, White, Blue, IR Steady(Flashing mode is optional) 24hours working after switched ON

>100,000 170×132×102

2.4

Lithium ion battery, 7.4V/20AH

60hours IP67

PP Alloy resin

80\*60\*36 (12/18pcs lights in), 60\*50\*24(8pcs lights in)

110VAC, 240VAC, etc

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

410\*300\*30

1440\*410 3.1kg

18V

120W

31mm

Stainless Steel

0.06

### SYSTEM CONFIGURATION



