

POLS

PORTABLE LIGHTING SYSTEM



Highly portable and easy to install the portable landing zone kit provides temporary illumination of any military or civilian helicopter landing surface or airfield. 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 system is self-contained in a easy to transport ruggedized suitcase that includes a set of light units and other equipments to support the landing.

The light units are available with aeronautical colours and infrared (IR) lights. The unit fulfils both the perimeter (green) and approach (white) requirement.

There are two types of remote controller: first “ground-to-ground” wireless remote controller allows to manage the system from remote and second an optional “air to ground” remote control unit, built according to FAA regulations, allow to receive on/off command from an aircraft.

Portable lights are supplied by rechargeable batteries and an embedded charger. The batteries are recharged by simply inserting the lights into their slot and connecting the external power to the transport container.

POL Lighting Units are compliant with the FAA AC NO. 150/5345-50B standard for airfield.

MAIN FEATURES/BENEFITS

- LED light for long-range visibility, extremely high-service life more than 80,000 hours with virtually no maintenance
- Available in different configurations for a wide range of applications
- Ground-to-ground and Air-to-ground optional remote controls.
- Rugged container for any transportation needs
- Drop-in battery charge integrated in the suitcase

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SYSTEM CONFIGURATION



Create your system filling the Order Code:

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RADIO (*)	POWER ADDITION	POL CASE COLOR	LIGHT COLOR of each POL (as needed)
X= NO RADIO R = RADIO + WRC L = Long range + WRC	X= NO S = Solar pannel V = 12 V adapter A = All	G=MIL GREEN Y=CIV YELLOW	W = White; B = Blu R= Red; G = Green Y = Yellow; V = VersaPOL X= Not required

(*)POL models:
X= POL-*IAXE*
R= POL-*IARE*
L= POL-*IDLE* (not VERSAPOL)

ADDITIONAL EQUIPMENT



Remote Control Unit (RCU)
Air-to-ground plus ground-to-ground remote control

Order CODE: RCU



PGPI
Portable glide path indicator

Order CODE: PGPI



LED GPI
NATO STANAG 1236, STANAG 3800

Order CODE: LGPI

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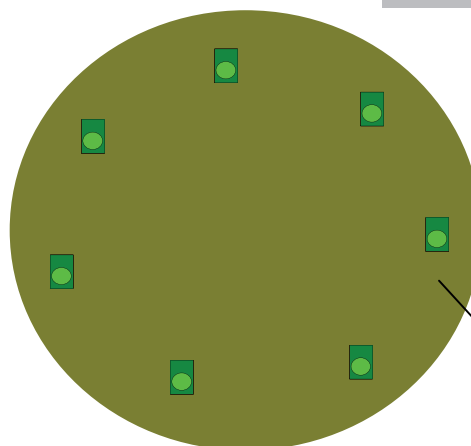
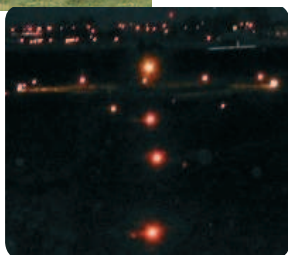


TYPICAL LAYOUTS

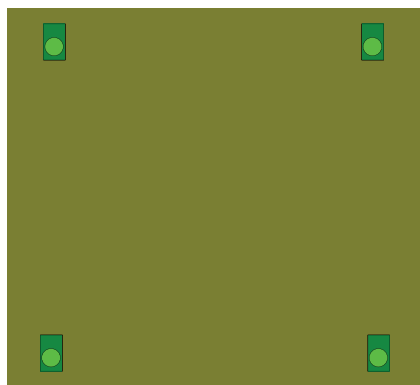
Helipad – Configuration Examples

- 7 perimeter lights
- 1 wireless remote control
- 1 plastic resin container with integrated battery charger

Order code:
POLS RXG GGGGGGGX



Wireless Remote Controller
and Remote control Unit can
be used both in any lighting
configurations



Order code:
POLS RXG WWWGGGGX



Order code:
POLS XXG WWWGGXXX

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SPECIFICATIONS

POL light unit



Overall dimension: 230 mm x 165 mm x 140 mm

Mass: 3.5 kg

Light source: High brightness LED, IR LED

Remote control: UHF, OFF/Mode (VIS/IR)/Intensity

Power supply: 2 rechargeable batteries 6V-5Ah or primary batteries 6V-12Ah

Service autonomy: > 22 h @ max intensity

WRC



Overall dimension: 220 mm x 115 mm x 55 mm

Mass: 2 kg

Remote control: VHF, OFF/ Intensity (option)

Power supply: 24 VDC for battery recharge by common 90-230 VAC power plug

Suitcase (up to 8 lights)



Overall dimension: 350 mm x 600 mm x 900 mm

Mass (lights and battery charger included): 55 kg
power supply 110 -240 VAC and 24 VCD, 12 VCD with optional ADAPTER

Foldable Solar Panel



Folded sizes (width x length): 216 mm x 368 mm

Unfolded sizes (width x length): 762 mm x 1333 mm

Mass: 1.4 kg

Nominal system voltage rate 12V / 24 V

Nominal rated power in STC: 62 W

Additional Equipment

PGPI



Mass: GPI 5 kg; battery 14 kg; GPI box 17 kg

Xenon lamp 12 V - 35 W

Input voltage: 12 V, rechargeable battery

Autonomy over 4 hours with a 12 V - 43 Ah battery

Horizontal Beam: 28°

Vertical Beam: 5° Yellow, 2° Green, 5° Red

Azimuth adjustment: 0 a 30

Intensity: 260cd yellow, 150cs green, 100cd red

Visibility: more than 5 km (VMC)

RCU (Remote Control Unit)



Compliant to (L-854) FAA 150/5345-49

VHF link with aircraft for "air-to-ground" control (the system managed by the on board microphone)

Possibility of frequency selection

UHF link with portable lights

All commands can be set directly from the RCU ("ground - to ground" control)

LED GPI: See specific brochure.

PcLight
Portable Lighting System

Cleared for public release by Calzoni on November 22, 2013. Data, including specifications, contained within this document are summary in nature and subject to change at any time without notice at L-3 Communications' discretion. Call for latest revision.
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