

LED GPI

offshore

According to:

NATO Stanag 1236
NATO Stanag 3800



**Helideck
Lighting
System**



The GPI offshore, LED type, allows to give luminous informations to the pilot for the night landing with an aircraft/helicopter in severe operating conditions. It derives directly from the naval type, using the same LED optical group.

The GPI mainly consists of a simple and compact projector, that emits on the vertical plane a trichromatic light beam, as shown in the graphical representation, and a control panel.

The luminous beam codification is in accordance with the requirements of NATO STANAG 1236 (YGR or GYR) in military use, both naval and ashore, and it is known to near all the pilots.

The GPI can be also used with NVG devices, being arranged for NVG mode with flashing operating frequencies different for each of the three beam sectors.

The projector, mounted on a rotating base, is normally positioned and oriented along the final approach line, on the opposite side with respect to the approaching direction.

The GPI can be supplied by external rechargeable battery or directly by mains voltage at 110-230V-50Hz, and also by portable field generator. It presents easy putting into operation and quick operativity.

The lighting up and the controls are actuated by a special control panel, also portable.

- Horizontal beam: 28°
- Vertical Beam : 5° Amber, 2° Green, 5° Red (others sizes on request)
- Intensity: compliant with STANAG requirements
- Elevation angle: from 0 to 30°
- Training angle: on 360°
- In NVG mode: upper sector 1Hz, central sector fixed, lower sector 3Hz

PHOTOMETRIC CHARACTERISTICS

Calzoni Srl

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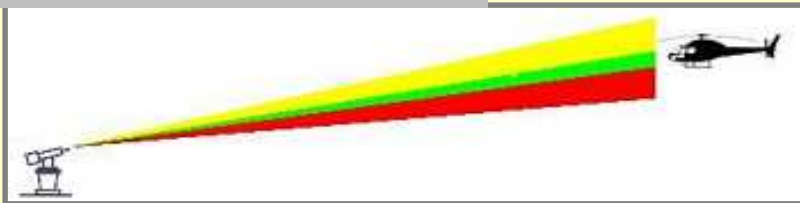
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TECHNICAL CHARACTERISTICS

- Cases in stainless steel , with protective treatment and polyurethanic painting with poliester on background (RAL 2004);
- Optics: high efficiency LED projector and optical fibers;
- Power supply: battery at 12 Vdc, mains voltage at 110-230Vac, portable field generator
- Enclosure: IP55 (according to EN60529);
- Autonomy: higher than 12 hours with battery supply at 12V
- Weights: GPI 30 kg ; battery 10 kg ; control panel 9 kg

What see the pilot



Too high



OK



Too low



COMPOSITION OF THE SYSTEM

