

# Unserviceable Area Light

# BARIKADA

### Compliance with Standards.

Complies with:

- ICAO Annex 14, Volume 1,
- Aerodrome Design and Operations, Paragraph 7.4. "Unserviceable areas".
- FAA Advisory Circular AC150/5370-2E

Operational Safety at Airports during construction.

### Application.

Lighting of unserviceable areas, taxiway closure, delineation of work zones nearby the operational area, also outside of the maneuvering area such as on service drives, parking lots,....

### Description.

BARIKADA is the result of the latest development based on high performance LED combined with optimized optics.

Its emits an omnidirectional bright beam of red light throughout a wide vertical angle enabling outstanding visibility, even in twilight conditions, on long and short distances by both aircraft pilots and ground vehicle drivers.

It is very compact and lightweight, and integrates a photocell that automatically switches On at dusk and Off at dawn. It can be operated as a fixed or flashing light by means of a magnetic switch.

**BARIKADA can be used as a stand alone light with a dedicated battery or connected in chain with other lights** supplied by a larger battery. Fixed and flashing lights can be mixed in a chain.

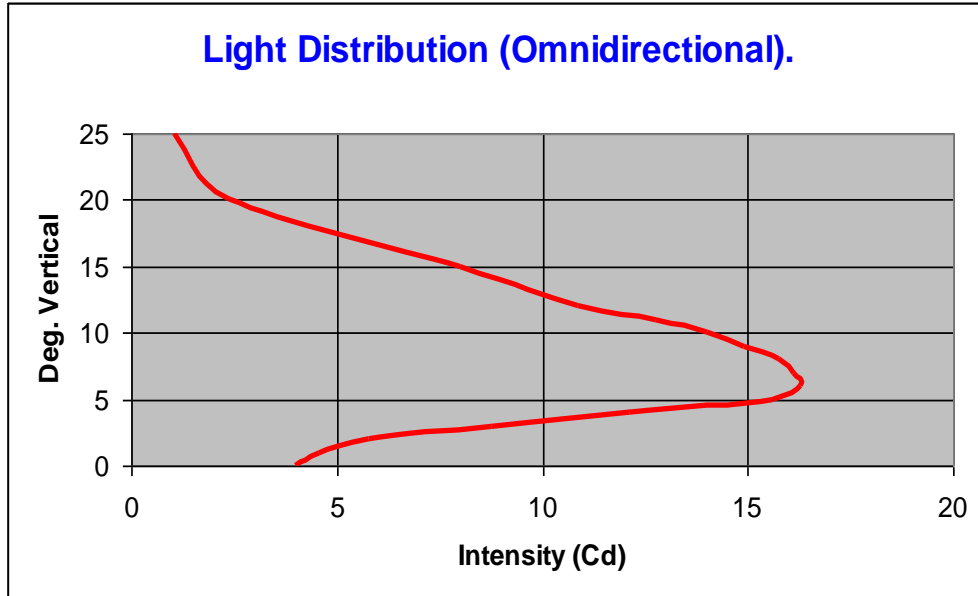
A small 12V 10Ah battery is enough to power a **BARIKADA light 16 hours a day during one week in fixed mode** and one month in flashing mode.

### Characteristics.

- One 1-Watt LED.
- Body made of extruded aluminum alloy, anodized.
- Optics made of scratch resistant polycarbonate.
- Nickel plated cable glands.
- Watertight, IP56.
- Power supply : 12VDC , 1W (fixed mode) 0.250W (flashing mode).
- 130mm long, 90mm wide and 115mm high. 0.470kg.



### Photometrics.



### Mounting.

**BARIKADA** can be mounted on a tube of 30 to 70mm outer diameter by means of a stainless steel bracket available separately.

Other mounting hardware are also available such as :

A fiberglass pyramid, painted in white/red UV resistant colours, which serves as daytime marking.

An 11-kg rubber base with either a 51mm dia or 40mm square imprint.

A stainless steel bracket for mounting on a horizontal surface.

### Cabling.

**BARIKADA** comes with a 0.5m long cable for connection to its individual battery.

5-meter extension cables with IP67 connectors are also separately available for daisy chain connection of up to 12 lights.

### Solar Panel Power Supply.

Thanks to the very low consumption (only 1 W in steady mode and 0.250W in flashing) **BARIKADA** can be powered by Solar Panels and be totally autonomous without need for recharging of the battery.

The Solar Power System includes a high efficiency photovoltaic panel mounted on an aluminum frame, charge regulator, deep cycle low-maintenance battery and a polyester housing for battery and regulator.

To determine the type and size of equipment, please inform on latitude/longitude of installation and configuration of the barricade lighting system (number of lights, flashing of steady mode).