

CONDUCTOR MARKING LIGHT

LOW INTENSITY TYPE A & B

RED STEADY BURN – 10 CD NIGHT (TYPE A) OR 32 CD NIGHT (TYPE B)



01. DESCRIPTION

The **LEDEO BHT** is a one assembly low intensity light dedicated to the beaconing of high voltage lines. It operates with a current transformer that uses the electro-magnetic field of the line to power up the LEDs. It is an autonomous and long lifetime system (100 000 hours), which design has been proven worldwide. With only one reference serving all the power line capacities, its compact design and light weight allow the quickest and easiest installation on the market.

02. ADVANTAGES

- Self-powered and autonomous system
- Proven design in operation worldwide
- Self-centered on the conductor cable thanks to a specific nut
- Product completely filled with resin to avoid vibration issues on the electronics
- Only 1 reference for all line voltage capacities
- No corona effect
- Installation time reduced
- No maintenance required
- 2-year warranty



03. APPLICATIONS

The **LEDEO BHT** complies with the ICAO regulations as it is power supplied by the magnetic field around the cable of the high voltage line. The light can be used for beaconing high voltage lines up to 500kV. The installation specifications for high voltage overhead cables are mainly dealing with the intervals between two beacons:

- 70 meters for sensitive specification location in the vicinity of an airport
- 105 meters for other locations



Moreover, the light must be installed at more than 10 meters from the closest supporting tower.

04. MODELS

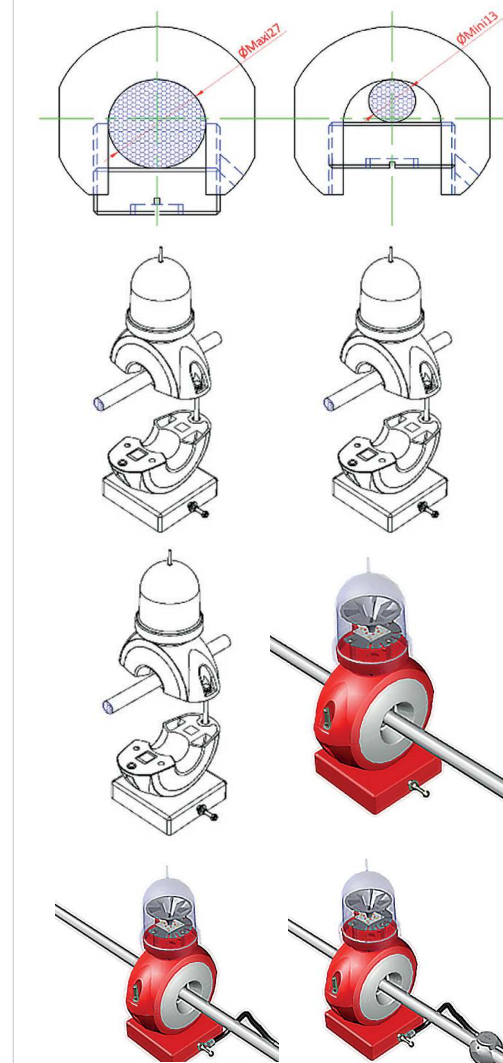
REFERENCE	VOLTAGE	PHOTOCELL	DRY CONTACT
LBIA00HT	1kV to 500kV	Not included	Not included
LBIB00HT	1kV to 500kV	Not included	Not included



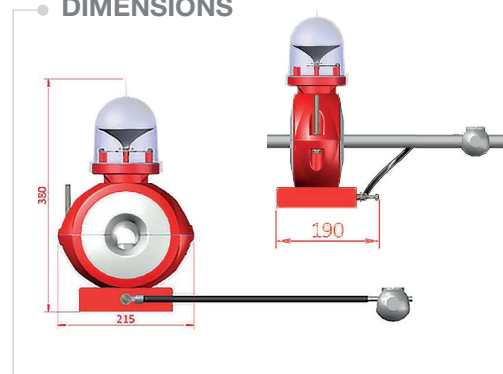
05. CHARACTERISTICS

	TYPE A	TYPE B
LUMINOUS		
Luminous source	Red LEDs	
Horizontal / Vertical beam	360° / 10°	
Luminous intensity	> 10 Cd	> 32 Cd
MTBF	100 000 hours	
ELECTRICAL		
Voltage	1kV to 500kV	
Operating temperature	-55°C to +55°C	
Current Imin	7A	
Current	10A	
Current Imax	1000A	
Protection class	IP66	
MECHANICAL		
Body material	ABS	
Lens material	Polycarbonate with bird spike	
Mounting	Fixation nuts	
Height / Width	380mm / 215mm	
Weight	< 6 Kg	
ENVIRONMENTAL		
Humidity	100%	
Frost	-60°C	
Wind speed	240 Km/h	
CERTIFICATIONS		
CE	EN60947-1 CEI60364, NF C15-100 2014 / 35 / UE	
OACI	Annex 14, Volume I, Chapter 6	
Quality	ISO 9001 ; 2015	
WARRANTY		
Warranty period	2 years	

● INSTALLATION



● DIMENSIONS



HV Line