

MEDIUM INTENSITY OBSTRUCTION LIGHTS TYPE A (WHITE FLASH) OR DUAL A&B (WHITE + RED FLASH)

20 000 CD DAY / 2 000 CD NIGHT



01. DESCRIPTION

The LEDEO SMIA and SMIAB are next-generation medium intensity obstruction lights using advanced multi-LED technology. Designed in robust aluminum for optimal passive cooling, they are ideal for continuous day and night marking. These beacons offer a long lifetime of over 100,000 hours and a very low power consumption, starting from 40W (day) and 10W (night). They are provided with a photocell for day/night detection, and with integrated dry contact for remote alarm monitoring.

02. ADVANTAGES

- Light and compact design for an easy installation: only 8 kg
- Long life time > 10 years
- Low consumption: from 40W in day mode and 10W in night mode
- No maintenance
- IP66
- 2-year warranty

03. APPLICATIONS

Rules concerning aircraft beaconing are established by the ICAO (Annex 14, Chapter 6). Medium Intensity lights can be installed on structures from 45 to 150 meters high, with an intermediary level of marking. According to the rules, an uninterruptible power supply cabinet has to be installed to insure a 12 hours of beaconing in case of power supply failure.

04. MODELS



REFERENCE	VOLTAGE	PHOTOCELL	DRY CONTACT	SIGNAL
SMIA01BB*	48 V DC	-	✓	White Flash 20,000 cd (Day) +
SMIA11BB	48 V DC	✓	✓	
SMIA01MB*	110-240 V AC	-	✓	White Flash 2,000 cd (Night)
SMIA11MB	110-240 V AC	✓	✓	
SMIAB01BB*	48 V DC	-	✓	White Flash 20,000 cd (Day) +
SMIAB11BB	48 V DC	✓	✓	
SMIAB01MB*	110-240 V AC	-	✓	Red Flash 2,000 cd (Night)
SMIAB11MB	110-240 V AC	✓	✓	

* To be used with an external DELTA BOX photocell.

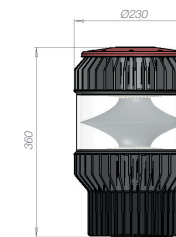
05. CHARACTERISTICS

	SMIA	SMIAB
LUMINOUS		
Luminous source	White Flash (Day & Night)	White Flash (Day) Red Flash (Night)
Horizontal / Vertical beam	360° / 3°	
Luminous intensity (standard)	20,000 cd (Day) / 2,000 cd (Night)	
Flash frequency	20 to 60 fpm	
LED life duration	100,000 hours	
ELECTRICAL		
Voltage	48 V DC / 110-240 V AC	
Operating temperature	-55°C to +55°C	
Power consumption (Day Mode)	40W @ 40 fpm (0.25 sec)	
Power consumption (Night Mode)	10W at 40 fpm (0.25 sec)	
Pmax (Day Mode)	240W	
Pmax (Night Mode)	51W	
MECHANICAL		
Body material	Aluminum	
Lens material	Polycarbonate	
Mounting	M6 screws (included)	
Height / Width	360 mm / 230 mm (Excluding fixation mountings)	
Weight	8 kg	
ENVIRONMENTAL		
Humidity	100%	
Frost	-60°C	
Wind speed	240 km/h	
Protection class	IP66	
CERTIFICATIONS		
CE	EN60947-1 ; CEI60364, NF C15-100 2014 / 35 / UE	
ICAO	Annex 14, Volume 1, Chapter 6	
FAA	Compliant FAA L-865	Compliant L-864 / L-865
Quality	ISO 9001 : 2015	
WARRANTY		
Warranty period	2 years	

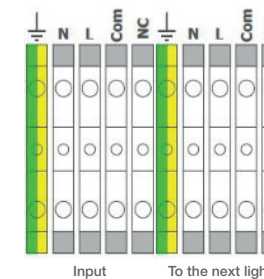
+ AVAILABLE VERSIONS

180° VERSION	SOLAR OPTION
 <p>The number of LEDs is divided by two for beacons that need to flash only over a 180° horizontal beam. It enables to decrease the power consumption.</p>	 <p>Customized solar stations dimensioned as per the weather conditions of the project location.</p>

DIMENSIONS



WIRING



+ AVAILABLE ACCESSORIES FOR INSTALLATION

- Power supply cabinet
- UPS System
- Solar kit
- Type "L" fixation mountings
- GPS synchronisation