

White flashing obstruction light for reliable day and night time marking of tall structures that present a hazard to aviation. Incorporates the benefits of advanced xenon strobe and system control technology to meet the challenges of the most demanding applications.



Key features

- Stand alone design with integrated photocell, power supply, flasher and monitoring
- Optional external automatic flash synchronisation between systems
- Simple cable connection for easy installation
- Two year warranty
- Low power consumption
- Simple internal layout
- Low cost of ownership
- Integrated tilt adjustment mounting bracket

Standards/Certification

- Complies with ICAO Annex 14, volume I; International standards and recommended practices: Aerodrome design and operations, 4th Edition, July 2004, chapter 6.3 High Intensity Type A and Type B obstacle light depending on model
- Certified to United States Federal Aviation Administration AC 150/5345-43F; Specification for obstruction lighting equipment, December 2006, Type L-856 and Type L-857
- Various national approvals

Performance characteristics

- Flashing 40/60 fpm; white (operating modes depending on model)
- Effective intensity: ICAO Type A model 200,000cd / 20,000cd / 2,000cd nominal
- Effective intensity: ICAO Type B model 100,000cd / 20,000cd / 2,000cd nominal
- Effective intensity: FAA L-856 model 270,000cd / 20,000cd / 2,000cd nominal
- Effective intensity: FAA L-857 model 140,000cd / 20,000cd / 2,000cd nominal
- Horizontal beam coverage: 120°
- Vertical beam profile: 3° minimum

Electrical characteristics

- Operating voltage: 110-254 Vac nominal; 50-60Hz
- Power consumption: see table
- Connection details: supplied with a combined power (3x2.5mm²) and control shielded connection cable
- Overvoltage protection: class III according to IEC61643-1

Physical characteristics

- Dimensions (L x W x H): 570 x 460 x 255mm nominal
- Weight: 35kg nominal
- Design degree of protection: IP65
- Operating temperature range: -55°C to +55°C
- Shipping information: 800 x 600 x 500mm; 45kg nominal

System design, control and monitoring

- Safety disconnect of power and capacitor discharge when opened
- Visible status indicators
- Automatic alarm feature if 3 consecutive flashes missed
- Use as a stand alone light or in system with multiple lights and CIP100 or CIP200 type controllers
- Stainless steel type 316 housing
- Level indicators and lifting eye for correct mounting



BTI

L1000-xxx

Product		Additional information						
Type	Option	flashes per minute			power consumption (W) @ 20 °C			comment
		Day	Twi	Night	Day	Twi	Night	
L1000-63A	D = use with red night light	40 white	40 white	40 white	170	45	30	ICAO Type A
L1000-63B	D = use with red night light	60 white	60 white	60 white	175	60	35	ICAO Type B
L1000-856	D = use with red night light	40 white	40 white	40 white	220	45	30	FAA Type L-856
L1000-857	D = use with red night light	60 white	60 white	60 white	240	60	35	FAA Type L-857

