

L1000-xxx HIGH INTENSITY WHITE FLASHING STROBE OBSTRUCTION LIGHT



Key features

- High reliability with long lamp life, low cost of ownership and low power consumption
- Simple internal design with only two main circuit boards for easy maintenance
- "Safe plug" lamp holder for easy lamp replacement
- Uses Orga special technology for the ignition of xenon lamps, control for long lamp life and very low UV and ozone emission
- Internal photocells for automatic day/twilight/night intensity control
- Orga Strobeline™ cable wiring system configuration combines power and control wires into a single protected cable
- Easy to install with integral mounting frame and lifting eye
- Level indicators provided to help with correct installation

Standards

- *Standard:* ICAO Annex 14 Volume 1, Fourth edition - July 2004, Chapter 6, High Intensity type A & B obstacle light
- *Certified to:* FAA AC150-5345/43E Type L856 & L857 obstacle light
- *Approved by:* STNA of France (type A)

Optical characteristics

- Effective intensity for different type of high intensity light (day/twilight/night mode):
 - L1000-856 FAA L-856 270.000 / 20.000 / 2.000 Candela
 - L1000-857 FAA L-857 140.000 / 20.000 / 2.000 Candela
 - L1000-63A ICAO Type A 200.000 / 20.000 / 2.000 Candela
 - L1000-63B ICAO Type B 100.000 / 20.000 / 2.000 Candela
- 40 or 60 flashes per minute (factory set as per table)
- Horizontal beam pattern 120°, use 3 lights per level for 360° marking
- High accuracy vertical beam profile

Electrical characteristics

- 120-240 V_{AC} (±10 %), 50-60 Hz or 165-270 V_{DC} (±10 %) supply operating voltage without product modifications
- Power consumption <150 W average continuous over typical 24 hour period (see table)
- Safety switch to disconnect power and discharge capacitors when unit opened
- Internal and external high voltage warning LED's
- Light "fail" remote monitoring output
- Failure indication LED
- Supplied with an Orga Strobeline™ combined power and data connection cable
- EMC type cable gland
- Class D over voltage protection

Physical characteristics

- Stainless steel 316 body
- Integral adjustable tilt angle mounting bracket
- IP66 degree of ingress protection (by design)
- Operating temperature range -55°C to +55°C (-67°F to +130°F)
- Size: 460 x 570 x 253 mm (18 x 22½ x 10")
- Size with mounting frame 460 x 650 x 303 mm (18 x 25½ x 12")
- Mounting holes at 415 x 620 mm (16¼ x 24½")
- Weight (excluding packaging) 35 kg (77¼ lb)
- Shipping dimensions: 800 x 600 x 500 mm (31½ x 23½ x 19¾"0 - 43 kg (94¾ lb)

System Design, Control and Monitoring

- Combine L1000 high intensity lights with L303-864 or L350-xxx and L303-865 medium intensity lights for optimum system design
- Connect L1000 high intensity, L303 and L350 medium intensity lights to a single CIP200 control unit
- Local and remote monitoring facilities provided by CIP200
- No-Wire multiple system flash character synchronisation option with the GPS020
- Catenary crossing system configuration options available



Type numbering		Additional information						Comment
L1000-	Extension	Flashes per minute			Power consumption (W)			
		Day	Twilight	Night	Day	Twilight	Night	
L1000-856		40	40	40	220	35	20	Standard configuration
L1000-856	d	40	40	off	220	35	5	Day time only operation
L1000-856	D	40	40	off	220	35	5	Dual lighting operation, according to FAA standards
L1000-857		60	60	60	230	50	30	Standard configuration
L1000-857	d	60	60	off	230	50	5	Day time only operation
L1000-857	D	60	60	off	230	50	5	Dual lighting operation, according to FAA standards
L1000-63A		40	40	40	170	35	20	Standard configuration
L1000-63A	d	40	40	off	170	35	5	Day time only operation
L1000-63A	D	40	40	off	170	35	5	Dual lighting operation
L1000-63B		60	60	60	175	50	30	Standard configuration
L1000-63B	d	60	60	off	175	50	5	Day time only operation
L1000-63B	D	60	60	off	175	50	5	Dual lighting operation

