



# The Miti-Lite

The Miti-Lite illuminates the largest area of any battery operated strobe. So inspecting for surface quality, formation activity, and coating defects, or pinpointing defect origins can be done anywhere in the process or on the line. The Miti-Lite's powerful beam illuminates an area 76cm square, so finding problems and correcting them is quick and efficient. The Miti-Lite also synchronizes easily to any video recorder or camera to provide a motion analysis tool that reduces diagnostic maintenance by 90%. Now detail study, training tapes, and fine details of surface quality are easily seen.

**See fine details of surface quality and paper activity**

**Largest illumination area of a battery operated strobe**

**Reduce diagnostic maintenance by 90%**

**Reduce costly downtime**

## Key Features

- Illuminates surface area of 76cm x 76cm
- Designed for harsh conditions of steel and paper mill operations
- 3 different intensity settings
- 3 flash ranges: 6000, 12,000 & 18,000 fps
- Phase control for camera synchronization
- Easy and quick battery change for portability

## The Miti-Lite Advantage

- Immediate knowledge of surface quality
- Pinpoint defect origins quickly and efficiently
- Monitor start up procedures after shutdown
- Inspect anywhere in paper and steel operations
- Monitor performance of all mechanical functions

## Applications

**METALS:** Galv lines, Tin mills, TL and Recoil lines

**PAPER:** Formation, Transfer, Driers, Finishing

**CONVERTING:** Coating, Rewinding, Slitting

**PRINTING:** Printing, Rewinding, Inspecting



## Specifications

### DC POWER PACK

- Rechargeable NiCd pack
- 14.4 VDC nominal voltage
- 2.4 amp hour

### PHYSICAL

- Dimensions: 168.3 mm x 161.0 mm x 342.0 mm
- Weight (with battery) 2.3 kg

### OPERATING CONDITIONS

- Flash Rate - 18,000 F/M, Intensity = 33%
- Flash Rate - 12,000 F/M, Intensity = 66%
- Flash Rate - 6,000 F/M, Intensity = 100%

### BATTERY RUN TIME

- 60 Minutes
- 22 Minutes
- 14 Minutes

### A/C POWER CONVERTER

- Input: 90 - 250 VAC 50/60Hz 200VA Max
- Output: 15VDC 10.7 A Max
- Cord: 5 Meters (Retractable Coil)

### TRIGGERING

#### Internal

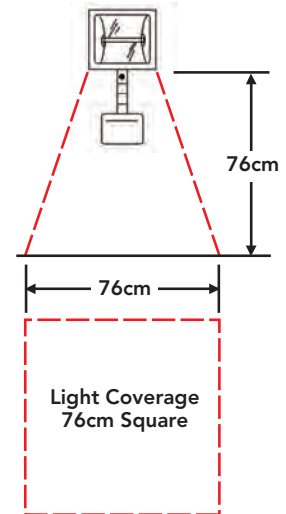
- 30 Flashes/Min (F/M) to 18,000 F/M
- Automatically limits to max rate of selected intensity level (6,000 F/M, 12,000 F/M, 18,000 F/M)
- 1 F/M resolution
- 100 ppm/°C accuracy

#### External

- Video 1Vp-p unterminated triggers from 50Hz-60Hz vertical sync
- Pulse Source: +2.5V pk, 100µsec min pulse width input impedance 10kΩ
- Contact Closure: 8VDC @ 10mA rating
- 0-360 degree phase delay adjustment available when using external triggering
- Phase delay accuracy +1 or -1 degree

### ENERGY OUTPUT

- 100% Intensity: 0.85 joules/flash
- 66% Intensity: 0.43 joules/flash
- 33% Intensity: 0.28 joules/flash
- Light Output: 900 lux at 1 meter 100% intensity, 6000 F/M



### SEE FINE DETAIL

The Miti-Lite makes fast moving surfaces look like they are moving in slow or stop action view. This allows fine surface defects to stand out, allowing operators to use their knowledge of the product, process or equipment to determine the cause of any problem and its solution.



Without Strobe



With Strobe

### MOTION ANALYSIS

Using the Miti-Lite with either video or still cameras, allows recording and storage of images of every aspect of the machine's operation when running properly. Mill operators can use those images as reference points when checking the machine for adjustments and analysis of problems that require action be taken. This reduces diagnostic maintenance time by 90%.

### SLING POUCH

Prevents dropping and allows hands free carrying of the light while mill personnel go up and down stairs and in between parts of the paper machine.

### SHIPPING & STORAGE CASES

Whether you're moving the light between mills or between machines, the softpack canvas case makes it easy to carry everything you need for inspection. For extra protection, the ATA rated hard case protects the lights during shipment or rough handling.



To find a UNILUX representative near you, call 1-800-522-0801 or go to [www.UNILUX.com](http://www.UNILUX.com)

