

MITI-LITE



SPOT CHECK AND PINPOINT DEFECTS OVER A WIDE AREA

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 at full production speed can be done anywhere in the process. The Miti-Lite's powerful beam illuminates an area 76cm square, so finding problems 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.

KEY FEATURES

- Illuminates surface area of 760 mm x 760 mm
- Designed for harsh conditions of steel and paper mill operations
- 3 different intensity settings
- 3 flash ranges: 6000, 12000 & 18000 F/M
- Phase control for camera synchronization
- Easy and quick battery change for portability

APPLICATIONS

- METALS:** Galv lines, Tin mills, TL and Recoil lines
- PAPER:** Formation, Transfer, Dryers, Finishing
- CONVERTING:** Coating, Rewinding, Slitting
- PRINTING:** Printing, Rewinding, Inspecting

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

INSPECT FINE DETAILS OF SURFACE QUALITY

LARGEST ILLUMINATION AREA OF A BATTERY OPERATED STROBE

REDUCE DIAGNOSTIC MAINTENANCE BY 90%

REDUCE COSTLY DOWNTIME



SPECIFICATIONS

MITI-LITE

DC POWER PACK

- Rechargeable Lithium Ion battery
- 18-VDC European Community
- 20-VDC World Community
- 5 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%
80 mins battery run time
- Flash Rate - 12,000 F/M, Intensity = 66%
30 mins battery run time
- Flash Rate - 6,000 F/M, Intensity = 100%
20 mins battery run time

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.

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%.

TRIGGERING

Internal:

- 30 Flashes/Min (F/M) to 18,000 F/M
- Automatically limits to max rate of selected intensity level (6000 F/M, 12000 F/M, 18000 F/M)
- 1 F/M resolution
- 100 ppm/°C accuracy

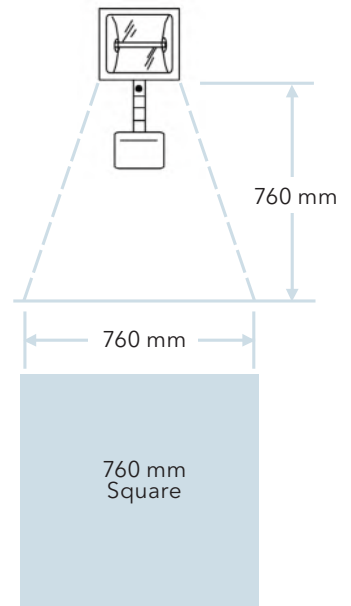
External:

- 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

LIGHT OUTPUT & COVERAGE



Without Strobe



With Strobe

UNILUX[®]
The Power To See

Our knowledgeable local sales representatives will review your requirements with you to help determine which Unilux stroboscope is best for your process.

We will bring our products to your facility for an on-site demonstration. For further information visit our website at www.unilux.com.

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