



LED BEACON

Detect Paper Formation Problems Anywhere in the Papermill

The LED Beacon is a versatile inspection strobe light ideal for evaluating dozens of functions in the paper manufacturing process to ensure quality of the end product.

- Efficient, clear evaluation of all high speed operations of the paper machine at any distance required
- Inspect formation activity, troubleshoot machine operations and check quality of the final product
- Reduce product losses by detecting processing and machine operational issues

INTENSITY

- Bright, wide, even illumination delivers clear detail even at the center of the machine
- Adjustable flash duration achieves greater clarity at any stage of the process
- Capture more detail with maximum FPM of 99,999.9
- Light output of 682.7 lumens

VERSATILITY

- For inspection throughout the entire process: wet end, wet press, dryer and calendar sections
- Spot stock formation, rimming, wire wear and water re-entry, jet impingement, fabric contamination and much more
- Monitor start-up procedures following shutdown
- Inspect the entire width of the machine
- Synchronize with still or video cameras
- Up to 60 minutes of run time between battery recharges
- Lightweight, compact design

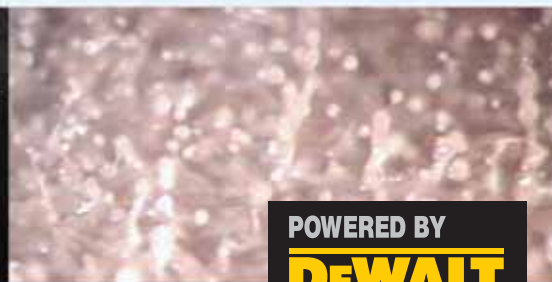
QUALITY

- Robust construction and protective sleeve withstands harsh mill conditions
- Splash and spray proof design prevents water and pulp from getting into the unit
- Maintenance free long-life LEDs

APPLICATIONS

Inspection/troubleshooting throughout the entire papermaking process:

- Formation
- Stock jump
- Dewatering
- Transfer points
- Felt and wire wear
- Motion analysis
- Rope speed
- Nozzle performance
- Jet impingement angle
- Rotational speed
- Dryer cans and felts
- Paper and backing rolls
- Stock buildup on felts and wires
- Couch roll
- Lubrication systems
- High pressure showers
- Calendaring
- Coating
- Rewinding
- Gauge felt and wire machine operation and all mechanical functions

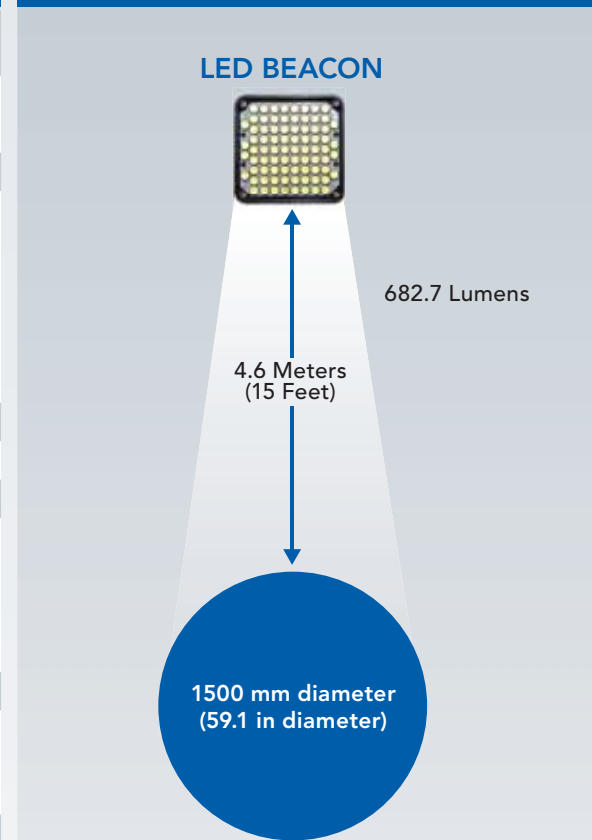


POWERED BY
DEWALT[®]

SPECIFICATIONS

LED Beacon	
Model Number	03-1254-DC-S
Power Source	
Battery	5AH Li/Ion
Watts Max	54
Amps Max	18V:2.9 / 20V: 2.7
Battery Run Time <small>(typical depending on usage & settings)</small>	up to 60 min
Light Output	
	682.7 Lumens
Coverage (Diameter)	
@ 1M / 39 in	400 mm / 15.7 in
@ 2M / 79 in	800 mm / 31.5 in
@ 4.6 M / 15 Ft	1500 mm / 59.1 in
Flash Rates	
Internal Trigger Mode	30.0-99,999.9 flashes per minute
External Trigger Mode	0-99,999.9 flashes per minute
Flash Duration	
	2 µSec to .5% of the flash period capped at 100 µSec
Physical Dimensions	
Size	mm: 184L x 119W x 304H in: 7.2L x 4.7W x 11.9H
Weight	2.1 kg / 4.6 lb
Environmental	
Operating Temperature	32°F to 122°F (0°C to 50°C)
Humidity	0-95% non-condensing

LIGHT OUTPUT AND COVERAGE*



*All measurements taken at 6,000 F/M, 100 µSec duration.

Note: Larger areas can be illuminated by holding the light further away and controlling ambient lighting. Unilux recommends strobe lighting levels be at least 4 times brighter than the ambient lighting.

ACCESSORIES



VIDEO CABLE (04-1879-15)

Used to connect the LED Beacon strobe to a compatible video camera so that the strobe can be used as a high intensity light source during filming.



STORAGE CASE (99-1135)

Protects the unit in the plant when not in use. This hard-shell case holds one LED Beacon stroboscope, one charger, a product manual and two power packs.



ATA CASE (99-1153)

Enables easy transportation of your strobe. Designed specifically for the LED Beacon to withstand shipping between locations.

UNILUX®

The Power To See

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