



LED-9

The Brightest Inspection Light In Its Class

The LED-9 provides brighter, more concentrated, even illumination than any inspection light of its size. Long lasting LEDs reduce energy consumption, eliminate ozone emissions and greatly reduce maintenance. The LED-9's intuitive controls allow you to fine tune the frequency and duration of light to achieve crisp detail and effectively pinpoint defects. Its small size in portable and mounted models make the LED-9 perfect for inspection in narrow spaces.



INTENSITY

- Smaller, lighter and 3 times brighter than comparable Xenon inspection lights
- Concentrated light and even illumination delivers clearer detail
- Adjustable flash duration achieves greater clarity to pinpoint defects quickly and efficiently
- At 600 mm /24 in from the target, 1430 LUX light output for flood model and 3120 LUX for spot model

VERSATILITY

- The LED-9's small size in portable or mounted models make it essential for narrow inspection
- Flood and spot versions throw light further or wider to suit each application
- Flash frequency & flash duration adjustments sync with line or machine requirements
- Softer light enables more productive inspection of reflective surfaces
- Multiple mounted units easily interconnect for wider inspection areas; circuitry makes them self configuring
- Rotary encoders in mounted units provide precise control of light output and frequency
- Mounted unit features: constant on, remote operation (coming soon)

QUALITY

- Long-life LEDs eliminate maintenance associated with bulb replacement
- LEDs reduce power consumption & eliminate ozone emissions
- Durable, high quality construction withstands demanding industrial environments
- Portable unit's ergonomic, lightweight design eases use for longer periods

APPLICATIONS

Spot or narrow web inspection of:

- Print quality
- Registration
- Rewinding
- Folding
- Perforation
- Speed measurement
- Machine vision
- Adhesive & coating inspection

Also:

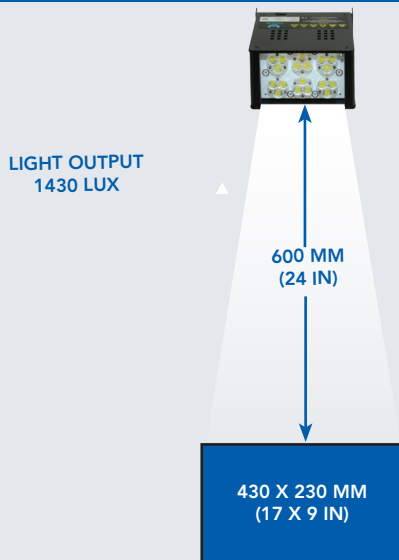
- Labeling
- Packaging
- Machine inspection
- Vibration analysis
- Bearing inspection
- High speed motion timing
- Inspection of belts, web, motors, shafts, gears, pulleys, etc.



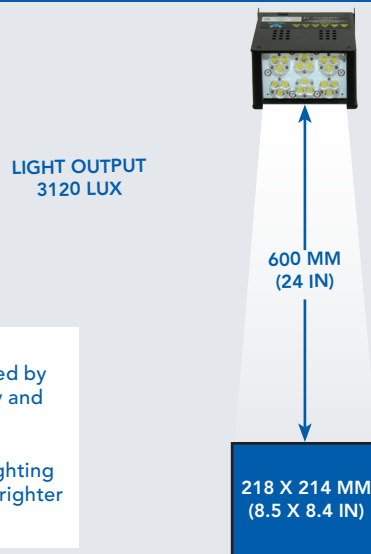
SPECIFICATIONS

Model Number	Flood	Spot
Handheld	03-1253-DC-F	03-1253-DC-S
Fixed Mount	03-1253-F	03-1253-S
Power Requirements	15W (15VDC @ 2.4A)	
Battery Run Time (handheld only)	Up to 4 Hours	
Light Output	@ 6000 F/M, Duration 50 µSec	
@ 600 mm (24 in)	1,430 LUX	3,120 LUX
@ 900 mm (36 in)	658 LUX	1,400 LUXv
Coverage (W xH)		
@ 600 mm (24 in)	430 W x 230 H mm / 17 W x 9 H in	218 W x 214 H mm / 8.5 W x 8.4 H in
@ 900 mm (36 in)	634 W x 340 H mm / 25 W x 13 H in	322 W x 320 H mm / 12.5 W x 12.5 H in
Flash Rates		
Internal Trigger Mode	30-50,000 flashes per minute	
External Trigger Mode/Encoder Mode	1-50,000 flashes per minute	
Flash Duration	2 µSec to 0.5% of the flash period capped at 100 µSec	
External Trigger Source	(Fixed mount only)	
Pulse (TTL) & Open Collector	3.5V - 40.0V @ 10mA 500nSec min pulse width	
Contact Closure	12V and Ground Supplied, 500nSec min pulse width	
Physical Dimensions	Size	Weight
Handheld	137 Lx 102W x 254 H mm / 5.4 Lx 4.0W x 10.0 H in	kg: 1.10 / lbs: 2.4
Fixed Mount	127 Lx 102W x 63.5 H mm / 5.0 Lx 4.0W x 2.5 H in	kg: .52 / lbs: 1.2

FLOOD COVERAGE AT 600 MM



SPOT COVERAGE AT 600 MM



Note:
Larger areas can be illuminated by holding the light further away and controlling ambient lighting.

Unilux recommends strobe lighting levels be at least four times brighter than ambient lighting.

UNILUX®
The Power To See

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