

# LED9



## THE BRIGHTEST, LIGHTEST, MOST EFFICIENT INSPECTION LIGHT IN ITS CLASS

The LED9 is perfectly suited for inspection in narrow spaces. With its exceptionally bright light, you will be able to see clear detail at full production speed. The LED9 is available as handheld or fixed mount, as spot or flood pattern, and can be interconnected to inspect various locations on a single machine.



### 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 & enables more productive inspection of reflective surfaces

### APPLICATIONS

#### Printing

- Print quality inspection
- Registration control
- Business forms quality & alignment
- Envelope press inspection

#### Converting

- Rewinding
- Adhesive & coating inspection
- Edge & perforation analysis
- Folding & perforation
- Internal copy inspection

#### Maintenance

- Machine inspection
- Vibration analysis
- Bearing inspection
- Inspection of belts, webs, motors, shafts, gears, pulleys & chains

#### Others

- Speed measurement
- Machine vision
- High speed motion timing

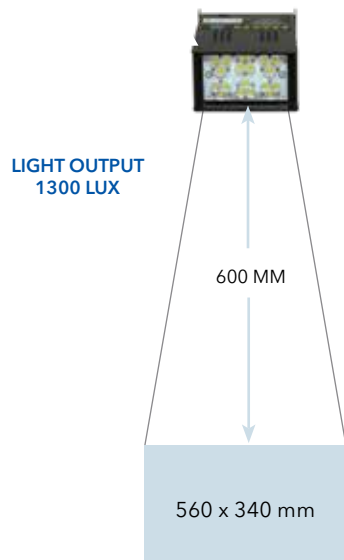
### VERSATILITY

- The LED9'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
- Multiple mounted units easily interconnect for wider inspection areas; circuitry makes them self configuring
- Additional features of mounted units: Rotary encoder connection, analog line speed abilities
- Durable, high quality construction withstands demanding industrial environments

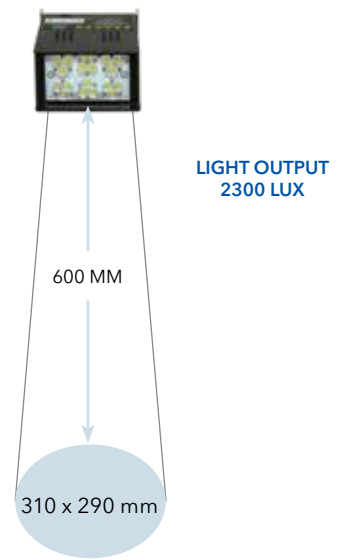


MODEL NUMBER	FLOOD	SPOT
Handheld	03-1282-DC-F	03-1282-DC-S
Fixed Mount	03-1282-F	03-1282-S
Color Rendering Index	CRI 75	
Color Temperature	6,500 Kelvin	
<b>Power Requirements</b>	15W (15VDC @ 1A)	
Battery Run Time (handheld only)	Up to 2 Hours*	
<b>Light Output</b>	@ 6000 F/M, Duration 50 µs	
@ 300 mm	4440 LUX	6580 LUX
@ 600 mm	1300 LUX	2300 LUX
<b>Coverage (W x H)</b>		
@ 300 mm	320 x 200 mm	220 x 210 mm
@ 600 mm	560 x 340 mm	310 x 290 mm
<b>Flash Rates</b>		
Internal Trigger Mode	30-50,000 flashes per minute	
External Trigger Mode	0-50,000 flashes per minute (Fixed Mount)	
Encoder Mode	300 - 50,000 flashes per minute (Fixed Mount)	
<b>Flash Duration</b>	2 µs to 0.5% of the flash period capped at 100 µs	
<b>External Trigger Source</b>	<b>Fixed Mount Only</b>	
Pulse (TTL) & Open Collector	4.5V - 40.0V @ 10mA 500µs min pulse width	
Contact Closure	15V and Ground Supplied, 500µs min pulse width	
<b>Physical Dimensions (L x W x H)</b>	Size	Weight
Handheld	132 x 107 x 234 mm	1.1 kg
Fixed Mount	126 x 102 x 64 mm	0.5 kg

## 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 the ambient lighting.



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](http://www.unilux.com).

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