



LED-12

Brighter Unilux LED-12 Leads Second Generation of Handheld Strobe Lights

Solve your production and inspection problems close to their source with the powerful Unilux LED-12. As part of our H2LED Series of handheld strobes, the LED-12 has twice the light output of its predecessor and offers higher performance levels of the capabilities you expect from Unilux:

- Inspect anywhere in your production process
- Gain immediate knowledge of surface quality
- Pinpoint defect origins quickly and efficiently
- Monitor startup and shutdown procedures
- Provide motion analysis and diagnostics of all mechanical equipment

Available in standard and UV versions, the LED-12 combines the operational and environmental benefits of LEDs with the power of xenon-based strobes. The second generation LED-12 strobe adds an internal phase control for better handling of production and maintenance operations. Its narrow-beam spot illumination covers a 450mm diameter when 900mm from the target.



Standard and UV options

Interchangeable battery pack

Long-life LED light engine

No lamp replacements

FEATURES

- Phase control for internal and external trigger modes
- Adjustable flash rate
- Flexible triggering sources
- White light approaching visible spectrum of sunlight
- Ozone-free, environmentally friendly
- Ergonomic handle for easier handling

BENEFITS

- Versatile inspection capabilities
- Uninterrupted inspection
- Less unscheduled downtime
- Lower maintenance costs
- Less waste, higher yield

APPLICATIONS

Printing & Converting

- Labels
- Slitting
- Rewinding
- Laminating and coating
- Die-cutting
- Security printing

Metals

- Galvanizing lines
- Inspection lines
- Recoil lines
- Tension leveling
- Tin

Other

- UV inspection
- Speed measurement
- Machine vision
- Camera inspection
- Motion timing
- Textiles

Paper

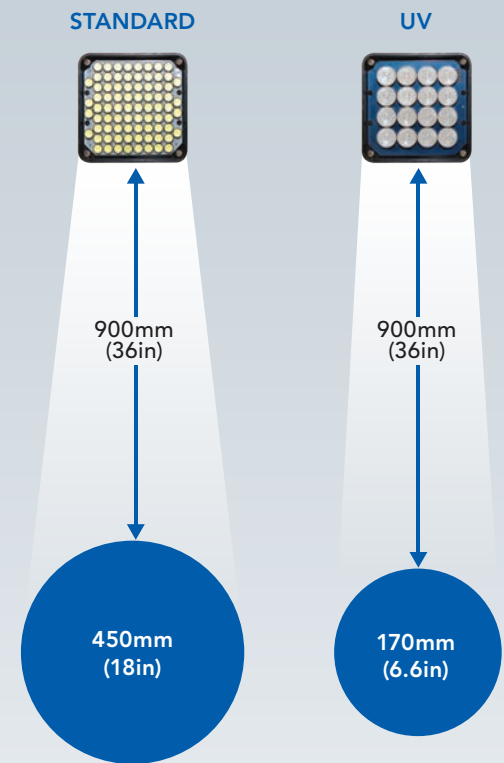
- Spray nozzle
- Diagnostics
- Formation
- Transfer
- Finishing



SPECIFICATIONS

	LED-12 Handheld	LED-12 UV Handheld	LED-12 UV Fixed Mount
Model Number	03-1245-DC-S	03-1246-DC-UV	03-1246-UV
Power Requirements	2 Amp	5 Amp	
Watts Max	54	54	15.8
Amps Max	(18V) 2.9 (20V) 2.7	(18V) 2.9 (20V) 2.7	1.1 1.1
Battery Run Time (typical)	up to 1 hr	up to 4 hrs	up to 8 hrs
Physical Dimensions	Size		Weight
Handheld (2A Battery)	mm: 184L x 119W x 287H in: 7.2L x 4.7W x 11.3H		1.6 kg/3.5 lb
Handheld (5A Battery)	mm: 184L x 119W x 304H in: 7.2L x 4.7W x 11.9H		1.8kg (4.1lbs)
Fixed Mount	mm: 176L x 110W x 110H in: 6.9L x 4.3W x 4.3H		.8 kg (1.8lbs)
Light Output	Standard		UV
@ 300 mm (12in)	4,750 LUX		1,450 μW/CM ²
@ 900 mm (36in)	1,331 LUX		300μW/CM ²
Coverage (W x H)	Standard		UV
@ 300 mm (12in)	300mm (12in)		100mm (4in)
@ 900 mm (36in)	450mm (18in)		170mm (6.6in)
External Trigger Source	Fixed Mount Only		
Pulse:	3.0-40V@ 10mA 100μSec min pulse width		
Open Collector	3.0 - 40V@ 10mA 100μSec min pulse width		
Contact Closure	12V@ 30mA and ground supplied 100μSec min pulse width		
Flash Rates			
Internal Trigger Mode	300-50,000 flashes per minute		
External Trigger Mode	0-50,000 flashes per minute		
Flash Duration	10 μSec to 1% of the flash period capped at 100 μSec		
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, 50 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



THRU SCAN OPTICAL SENSOR
Use the Thru Scan Optical Sensor to synchronize your strobe to the print pattern.



ARTICULATING ARM
Use the Articulating Arm (1066MM reach) with the UV fixed mount strobe for vertical and horizontal positioning.



STORAGE/CARRYING CASE
Use the Storage/Carrying Case for easy, compact stowing and transporting of your strobe.

UNILUX®

The Power To See

For further information visit our website at www.unilux.com.

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