

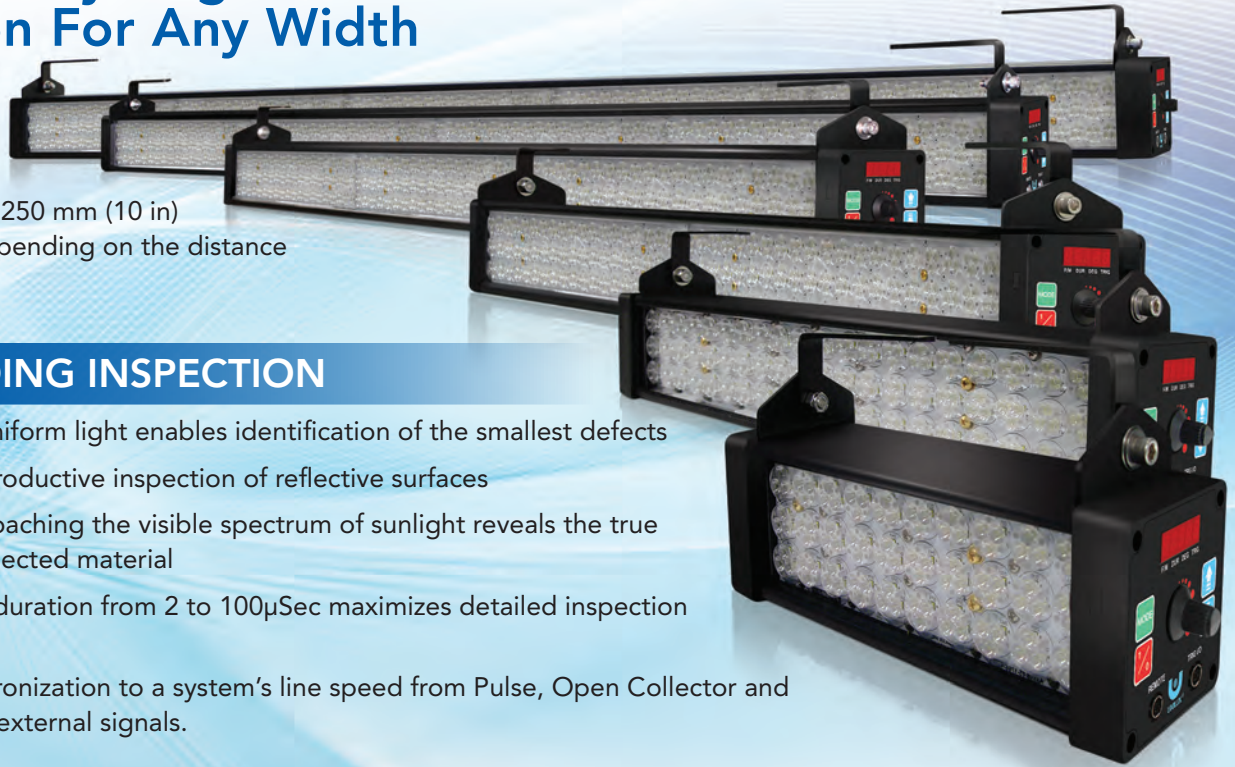
LED2000 SERIES

SURFACE INSPECTION LIGHTS



Exceptionally Bright, Maintenance-Free Inspection For Any Width

Six models with Flood and Spot coverage options, covering widths of 250 mm (10 in) to 2.9 m (9.5 ft) depending on the distance from the surface.



OUTSTANDING INSPECTION

- Brighter, more uniform light enables identification of the smallest defects
- Softer light for productive inspection of reflective surfaces
- White light approaching the visible spectrum of sunlight reveals the true colors of the inspected material
- Adjustable flash duration from 2 to 100 μ Sec maximizes detailed inspection capabilities
- Automatic synchronization to a system's line speed from Pulse, Open Collector and Contact Closure external signals.

EXCEPTIONAL VERSATILITY

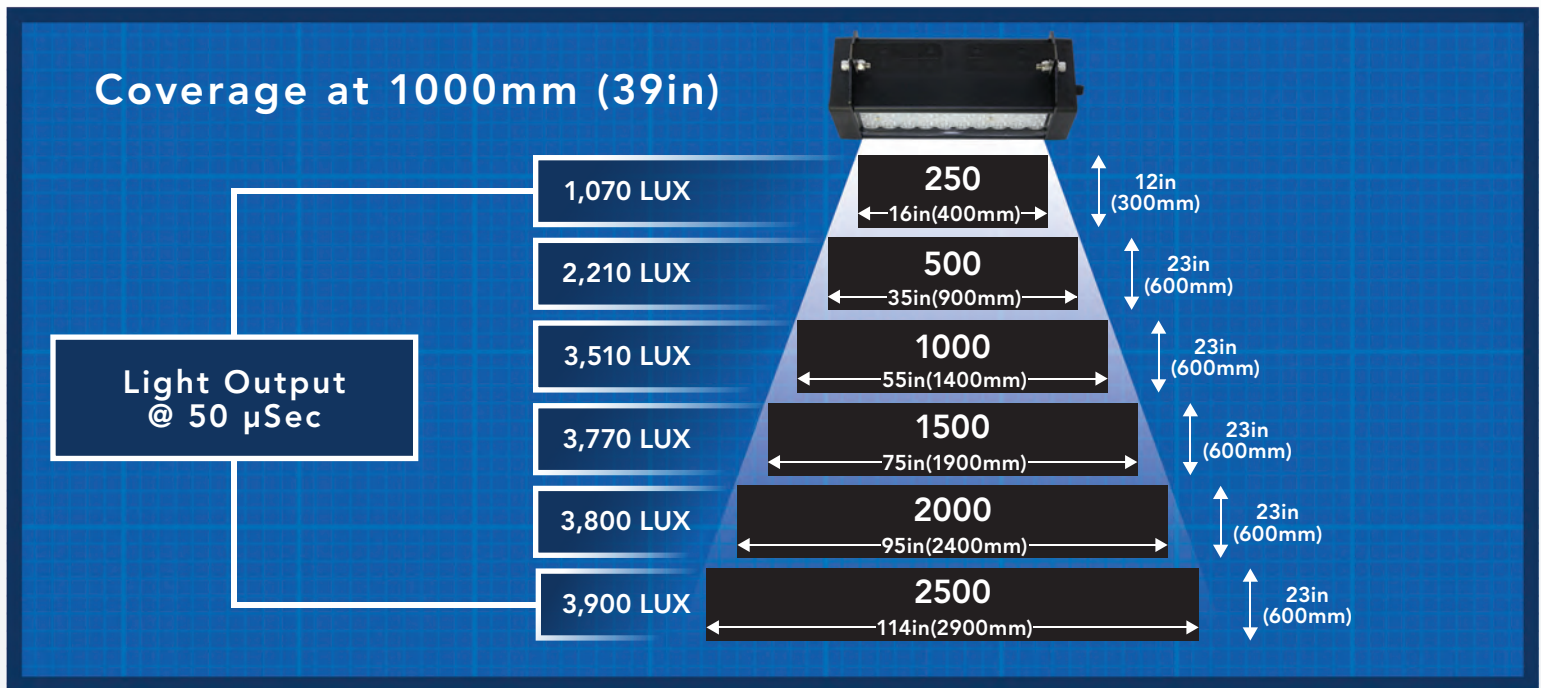
- Adjustable flash rate and flash duration to accommodate any application, any surface and any line speed
- As many as 10 units interconnect for wider areas
- Slim design and hinged mounting yoke enables installation in tight areas
- Remote control grants full operation at a far distance from the control panel
- Constant-on mode performs double duty as production work light

BENEFITS

- Low maintenance – No bulbs to burn out and cooler running temperatures virtually eliminate downtime
- Reduced operating cost – 1/3 power consumption and no bulb replacement
- Safer to operate – No ozone emissions, operates on low voltage, and no light spillover outside the target area
- Improved light output – No hot spots or arc wander

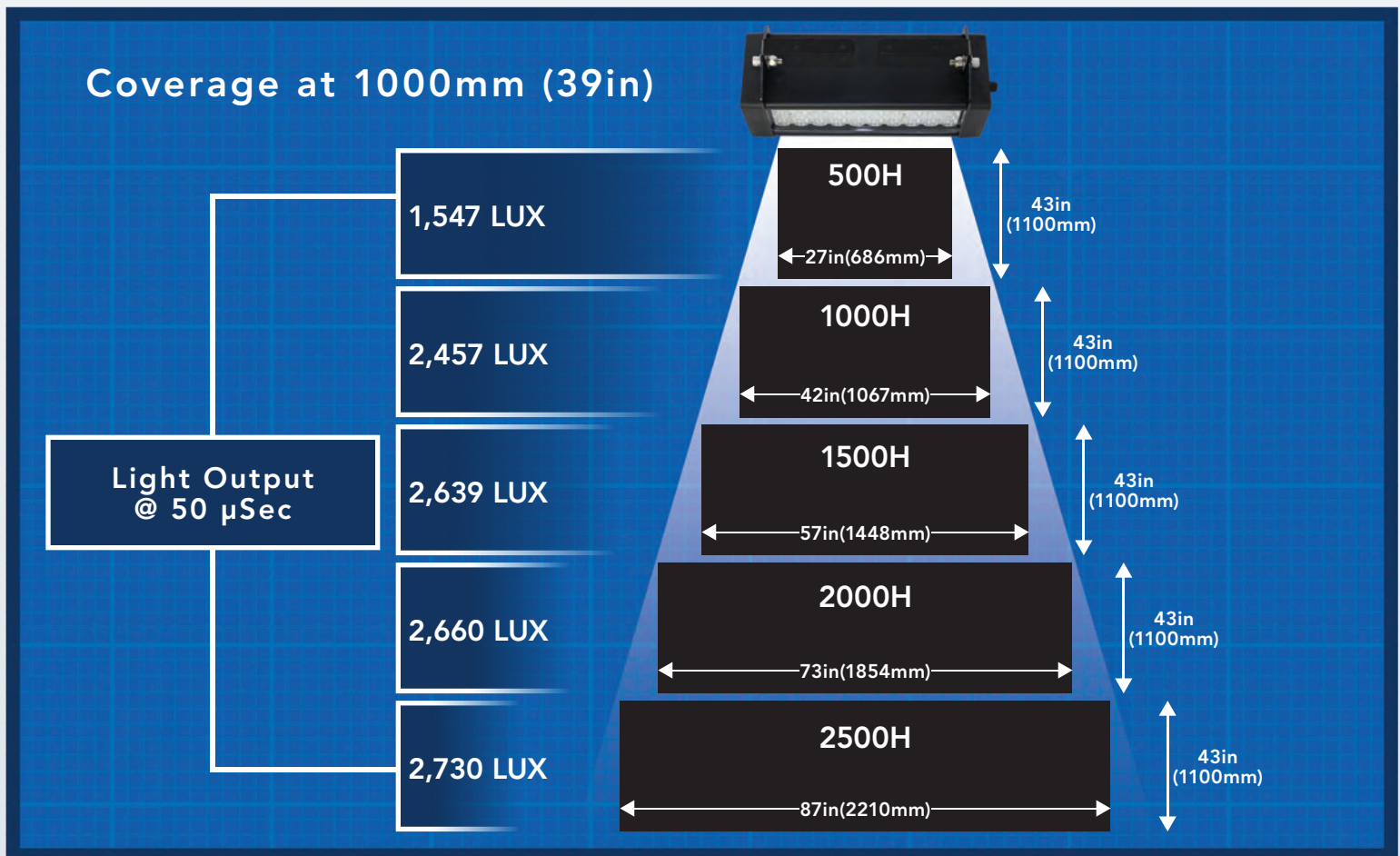


COVERAGE & LIGHT OUTPUT LED2000



COVERAGE & LIGHT OUTPUT LED2000H

The LED2000H delivers a taller target pattern for applications requiring a larger downstream coverage.



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

SPECIFICATIONS							
Model		250	500	1000	1500	2000	2500
	Standard	03-1239-250	03-1239-500	03-1239-1000	03-1239-1500	03-1239-2000	03-1239-2500
	H Model	N/A	03-1239-500H	03-1239-1000H	03-1239-1500H	03-1239-2000H	03-1239-2500H
Power Requirements							
Watts Max		65	135	270	405	540	675
Amps Max (@100V)		0.85	1.5	3.0	4.5	6.0	7.5
Light Ouput in LUX							
@300mm/12in	Standard	9,300	13,000	13,000	13,000	13,000	13,000
@1000mm/39in	Standard	1,070	2,210	3,510	3,770	3,800	3,900
@1000mm/39in	H Model	N/A	1,547	2,457	2,639	2,660	2,730
Coverage Area							
@300mm/12in	Standard mm Standard in	250L x 200H 10L x 8H	500L x 200H 20L x 8H	1000L x 200H 40L x 8H	1500L x 200H 60L x 8H	2000L x 200H 80L x 8H	2500L x 200H 98L x 8H
@1000mm/39in	Standard mm Standard in	400L x 300H 16L x 12H	900L x 600H 35L x 23H	1400L x 600H 55L x 23H	1900L x 600H 75L x 23H	2400L x 600H 95L x 23H	2900L x 600H 114L x 23H
@1000mm/39in	H Model mm H Model in	N/A N/A	686L x 1100H 27L x 43H	1067L x 1100H 42L x 43H	1448L x 1100H 57L x 43H	1854L x 1100H 73L x 43H	2210L x 1100H 87L x 43H
Flash Rates							
Internal Trigger Mode				300-50,000 fpm			
External Trigger Mode				0-50,000 fpm			
Encoder Mode				0-50,000 fpm			
Flash Duration		2 uSec to 1% of the flash period capped at 100 µSec					
External Trigger Source							
Pulse (TTL) & Open Col-lector				4.5 min. @ 10mA (12V Max) 5 µSec min			
Contact Closure				15V and Ground Supplied 500 nSec min pulse width			
Physical Dimensions							
Length		285mm/11.2in	513mm/20.2in	970mm/38.2in	1428mm/56.2in	1885mm/74.2in	2342mm/92.2in
Width		114mm/4.5in	114mm/4.5in	114mm/4.5in	114mm/4.5in	114mm/4.5in	114mm/4.5in
Height		155mm/6.1in	155mm/6.1in	155mm/6.1in	155mm/6.1in	155mm/6.1in	155mm/6.1in
Weight		2.5kg/5.5lb	4.2kg/9.3lb	7.6kg/16.9lb	11.0kg/24.3lb	14.4kg/31.8lb	17.8kg/39.3lb
Environmental							
Operating Temperature				32°F to 104°F/0°C to 40°C			
Humidity				95% noncondensing			

ACCESSORIES



Remote Control

Have the same functionality as the LED2000 Series control Panel in the palm of your hand. It is simple to operate with a 4-button membrane keypad and a single multi-function control knob to exercise all operating modes.

Analog Line Speed Cable

Synchronize the flash rate to your line speed using industry standard 0-10V or 4-20mA signaling.

Rotary Encoder

Provides automatic web synchronization as it rides the web material to provide a signal to the strobe that is proportional to the speed of the web.

Additional Accessories

Interconnect cables and trigger cables for the LED2000 series are available in various lengths. More on accessories for Unilux strobes can be found at www.unilux.com/accessories

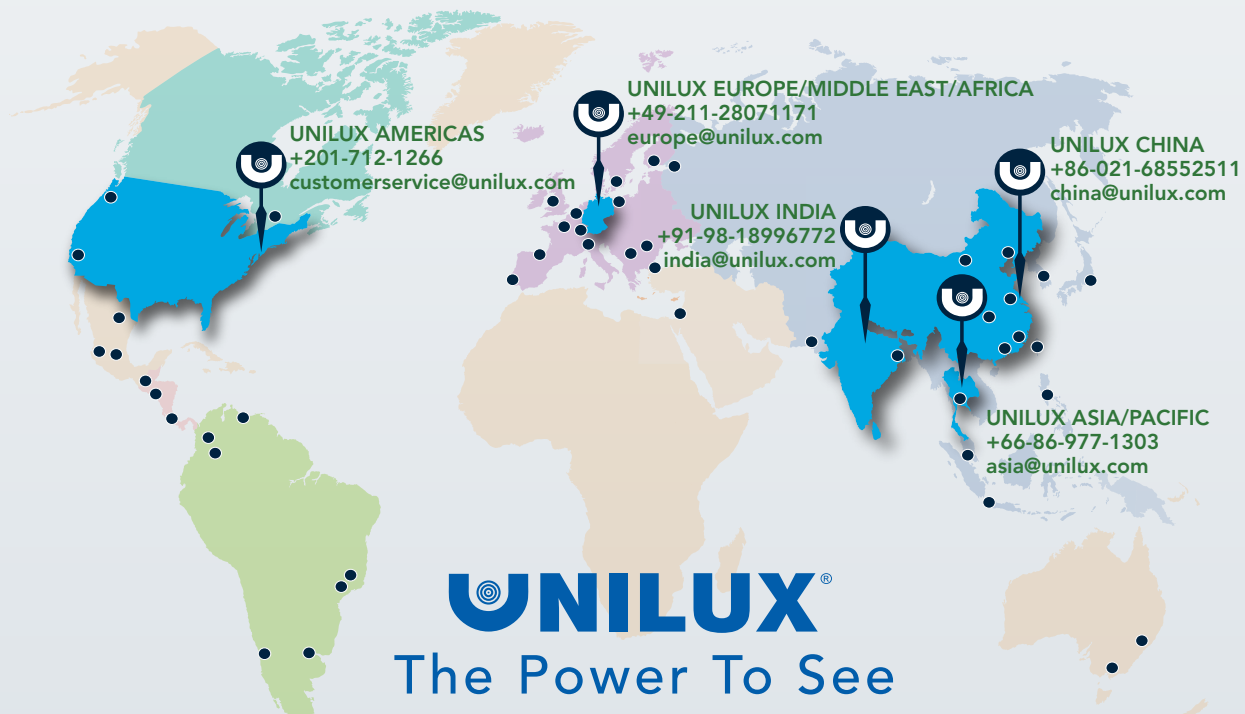
APPLICATIONS

Wide web inspection of:

- Print quality
- Slitting
- Rewinding
- Laminating & coating
- Die-cutting
- Embossing
- Metalizing
- Packaging
- Labels
- Doctor machines

Also:

- Galvanizing lines
- Coating & paint lines
- Blanking lines
- Aluminum inspection
- Bridle rolls
- Motion analysis
- Water displays
- Special effect lighting



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

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