



Product Catalog

Surface Inspection

Surface Inspection

LUYOR-2130L UV Flashlight

LUYOR-2130L is equipped with 3 high-power 365nm UVA LEDs and provides a wide coverage area. Powered by a high-capacity lithium battery, LUYOR-2130L can work continuously for 2-3 hours. The compact and lightweight design makes it excellent for operation in small spaces. LUYOR-2130L is ideal for fluorescent magnetic particle inspection, leak detection, detecting impurities and defects in oxygen degreasing procedure, and cleaning inspection in pharmaceutical factories.



Technical Data

- 3 high-power UV LEDs
- Wavelength: 360-370nm, peak 365nm
- Intensity: 10,000 μ w/cm² at 38cm
- Illuminated area: 150mm at 38cm
- Battery: one 12V lithium battery
- Charger: 100-240V, 50/60Hz
- Dimension: 210mm, head diameter 70mm, tail diameter 45mm



Surface Inspection

LUYOR-3260G Green Light for Surface Inspection

Scars, dirt, and foreign matter on the surface of precision workpieces are the main causes of defective products. LUYOR-3260G Surface Inspection Flashlight uses green light that is sensitive to the human eye and enables operators to clearly determine the causes of the common defects. LUYOR-3260G uses 9 high-power LED light sources and provides uniform illumination. The high-intensity light output is ideal for wafers, mobile phone screens, equipment cleaning inspection, the inspection of foreign matter on semiconductor surfaces and other precision workpieces.

Applications

1. Solar substrates
2. Polarizing plates
3. CELL process chips
4. LED substrates
5. Panels
6. CDs
7. Acrylic
8. Optical lens surfaces
9. Various metal surfaces
10. Polished surfaces of silicon wafer
11. Surface inspection of diffuser plate, polarizer plate and condenser plate
12. Printed circuit boards
13. TFT LCD modules
14. Special LCD filter for quality inspection of CF substrate manufacturing process
15. Glasses or metal surfaces
16. Inspection of coating uniformity, scratches, and dust on items



Technical Data

- Light source: 9 high-power LEDs
- Wavelength: peak 530nm
- Coverage area: diameter 150mm at 38cm
- LED lifespan: 50,000 hours
- Length: 21cm
- Charger input: 100-240V, 50/60Hz

What's Included

LUYOR-3260G, a battery, a battery charger, instructional manual, certificate, warranty card

Surface Inspection

LP-365L High-Intensity UV Lamp

LP-365L High-Intensity UV Lamp is excellent for fluorescence detection, bio polymerization, oil pollution detection, ore exploration, and criminal detective. Equipped with three high-power LEDs, LP-365L UV Lamp offers a high intensity of 10,000 $\mu\text{w}/\text{cm}^2$ at 38cm.

Product Features

- Instant-on operation
- Long LED lifespan of 20,000 hours, 30 times that of traditional mercury lamps
- Portable and specially designed for hand use
- Quartz glass color filter effectively reduces the interference and makes observation effect better



Technical Data

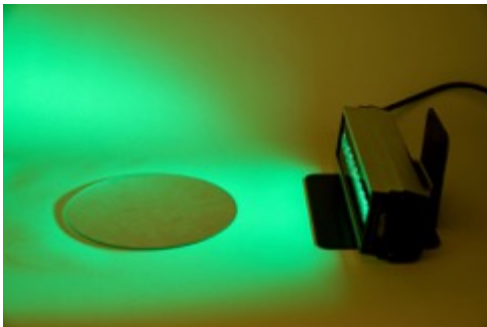
- Light source: 3 UV LEDs
- Wavelength: 365nm
- Intensity: 10,000 $\mu\text{w}/\text{cm}^2$ at 38cm
- LED lifespan: 20,000 hours
- Power: 12w
- Battery: 4.2Ah/14.8V
- Battery lifespan: 500 cycles of charge and discharge
- Working hours: 4-5 hours
- Net weight: 1kg
- Dimension: 241 x 126 x 172mm

Surface Inspection

LUYOR-3320 LED Parallel Light for Surface Inspection

LUYOR-3320 LED Parallel Light features 10 high-power LEDs and our newly designed linear lens that changes the circular light output into parallel light output. This design of parallel light output prevents direct light from reaching the operator's eyes and thus making LUYOR-3320 comfortable to use for a long time. With a vertical angle of 8 degrees and a horizontal angle of 60 degrees, LUYOR-3320 produces a concentrated beam of light and illuminates an area up to 30 x 1.5cm.

For surface defects that are hard to see under normal lighting (e.g., dust, scratches, burrs, bumps, ink, etc.), you can illuminate the surface using LUYOR-3320 and easily observe them with the naked eye. It is excellent for surface inspection in lenses, liquid crystal glasses, mobile phone glasses, molds, automobile, mobile phone protective films, flexible substrates, screen printing and other industries. For applications requiring large coverage area, LUYOR-3320 can be easily attached to the stand and ganged together.



Applications

- Touch panels, solar substrates, LED substrates, LCD substrates, laminated glasses, optics.
- Inspection of lens surface, polished surface of silicon wafers and diffuser plates for scratches.
- Inspection after various surface treatments: anodized surface, electroplated surface, car paint surface, plastic shell surface coating layer, mobile phone mirror shell.
- Surface inspection of various optoelectronic products: glass surface coating, touch panel coating, sapphire substrate, photomask (box), semiconductor wafer, LCD panel, color filters.
- Various grinding and polishing surfaces: metal processing parts, plastic processing parts, glass surface, quartz surface, sapphire surface, ceramic substrate surface.

Product Features

- 10 high-power LEDs with narrow-angle lens
- A long lifespan up to 30,000 hours, more than that of halogen bulbs.
- Three light sources available: white light, green light, yellow light
- Parallel light prevents direct light from reaching the operator's eyes, ideal for long time operation.
- Can be easily attached to the stand and ganged together.

Surface Inspection

LUYOR-3320 LED Parallel Light for Surface Inspection

Technical Data

	LUYOR-3320G/A	LUYOR-3320G/D	LUYOR-3320W/A	LUYOR-3320W/D	LUYOR-3320Y/A	LUYOR-3320Y/D
Light Source	Green light 530nm		White light Color temperature 6,000K 400-760nm		Yellow light 580nm	
Power Supply	110V or 220V	Built-in battery 24v	110V or 220V	Built-in battery 24v	110V or 220V	Built-in battery 24v
Illuminance	45,000 lux at 30cm		51,000 lux at 30cm		45,000 lux at 30cm	
Lifespan	30,000 hours					
Dimension	270 x 72 x 65mm					
Weight	1kg					
Cooling	Cooling without fan					

Surface Inspection

LUYOR-3318 Surface Inspection Lamp

LUYOR-3318 Surface Inspection Lamp is excellent for the inspection of scratches, dirt, and foreign matter on different surfaces. Equipped with an even light plate, the light emitted by LUYOR-3318 is non-glaring. With a dimmer design and a 50cm flexible arm, operators can adjust light intensity and illumination angle based on their needs.

Applications

- Quality inspection of wafers
- Inspection of LCD filters and color filters
- Ceramic surface inspection
- Surface inspection of touch screens
- Inspection of car paint quality
- Inspection of metal surface (aluminum, stainless steel, copper, etc.)
- Inspection of surface scratches and foreign matter on glass lenses, silicon glasses and photomasks



Technical Data

	LUYOR-3318Y	LUYOR-3318W	LUYOR-3318G	LUYOR-3318UV
Light Source	Yellow light 3,000K	White light 6,000K	Green light 500-550nm	Ultraviolet 365nm
Illuminance at 30cm	49,000 lux	59,000 lux	29,000 lux	19,000 $\mu\text{w}/\text{cm}^2$
Illuminated area at 30cm	Diameter 30cm			
Power	3-28W adjustable			
LED Lifespan	50,000 hours			
Cooling	Cooling without a fan			
Dimension	20 x 13 x 8cm (base) flexible arm 50cm long light head diameter 7.8cm			20 x 13 x 8cm (base) flexible arm 50cm long light head diameter 9cm
Weight	1.7kg			1.9kg
Power Supply	100-240V 50/60Hz			