

# Sirius Series

## Handheld LED UV Lamp

SI-45A Conformance

ASTM E3022  
ISO3059  
RRES 90061  
NADCAP  
AITM6-1001

SI-60 Conformance

ASTM E2297  
ASTM E3022  
ASTM E1444  
ASTM E1417  
ISO 3059

*Big and Uniform Beam Pattern*  
*Industrial Standard Protection*  
*100% Conformance to International Standards*



CrackCheck Sirius Series Handheld LED UV lamp utilizes the state-of-art LED technology, which makes it a great tool for fluorescent MT, PT and leak detection. Two models are available: SI-60 (CrackCheck-6000) for general industry and SI-45A for aerospace. Both models consist of four UV LEDs and a white LED.

Made of aviation grade aluminum alloy, Sirius will endure the harshest working conditions. Sirius highlights its rugged design, excellent cooling ability, waterproof and dustproof performance.



**Super-large Irradiance**

- Uniform beam pattern
- Wide coverage



**Sturdy and Durable**

- Shock-resistant
- Waterproof and dustproof
- Oil resistant bumper



**White Light and UV Light**

- Black light 365nm
- White light
- Black and white light simultaneously



UV and White Light



Large Irradiation



Safety Spectrum



Excellent Cooling Ability



High Intensity



Economical



Shanghai CHINDT Systems and Services Co., Ltd. **ISO9001** **CE** **FC** **RoHS**

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## **Sirius Features**

- 100% solid state circuit ensures working properly in strong magnetic field
- Switch function between UV light and White light, and the white light switch on together with the UV light when press the yellow inching button .
- Safe and pure UV-A content with no UV-B and UV-C, almost no visible light.
- Unique mechanical cooling system keeps LEDs cool to maintain optimum light output during extended use
- Choice of one high-intensity model(Sirius-60) with an UV-A intensity of 6,000 $\mu$ W/cm<sup>2</sup> or Sirius-45A(for aerospace) with an UV-A intensity of 4,500  $\mu$ W/cm<sup>2</sup> at 15 inches (38 cm),and almost no visible light..
- Compliant with conformation to EMC and IEC810. CE certification and FCC certification. Compliant with ASTM E1417, ASTM E1444, ASTM E3022, etc.
- First choice for fluorescent inspection, leaking test, biological polymerization, Oil detection and curing testing.

## **A Complete Sirius Package**



Carrying case



Industrial Standard Power Adapter



UV Shield Glasses



Sirius

## Sirius Data Sheet

Item	Standard version	Aerospace version
Model	SI-60	SI-45A
Part Number	600001	600002
LED Source	4 UV-LEDs, 1 white light LED	
Wavelength	Certified 365-370nm	
UVA Intensity at 15"(380mm)	~ 6,000 uw/cm <sup>2</sup>	~ 4,500 uw/cm <sup>2</sup>
Coverage Area at 15"(380mm)	> 1000uw/cm <sup>2</sup> : ~Φ230mm	
Compliance	ASTM E 3022, ISO 3059, ASTM E1444, ASTM E1417	ASTM E 3022, ISO 3059, RRES 90061, NADCAP, AITM6-1001
UVB /UVC	0	
Visible Light	< 5Lux (0.5 ft-candle)	
Dimension	145mm*240mm*120mm	
Weight	1.09kg	
Operating Voltage	12 VDC	
Power Supply	100-240 VAC, 50/60Hz	
Power	UV-A LED 12W, White light LED 3W	

## Sirius Mounting Methods



Mounting on a steel rod



Mounting with spring balance and hook



Mounting with CHINDT FlexArm