

# Spirit Series

## Portable LED UV Lamp

**Explosion-proof Certified**  
**Supreme Handy and Light**  
**100% Conformance to Prime Standards**



ASTM E3022  
ISO 3059  
RRES 90061  
NADCAP  
AITM6-1001

ASTM E2297  
ASTM E3022  
ASTM E1444  
ASTM E1417  
ISO 3059

Spirit Series Handheld LED UV Lamp (ST-30) utilizes the state-of-art LED technology, as well as its intrinsically safe mechanical and electrical design, making it a perfect tool for inspection conditions with explosion-proof requirement. Spirit is popular for its explosion proof capability and supreme light and handy design for fluorescent inspection. Safety and portability is the spirit for Spirit Series UV LED Lamp.

Two models are available: ST-30 Battery and ST-30 Mains. Both models consist of 2 high performance UV LEDs and 1 white light LED.



Explosion-proof



Super  
Light & Handy



Safety  
Spectrum



White and  
UV Light



Anti-EMI



Economical

DPIdea

## About Spirit

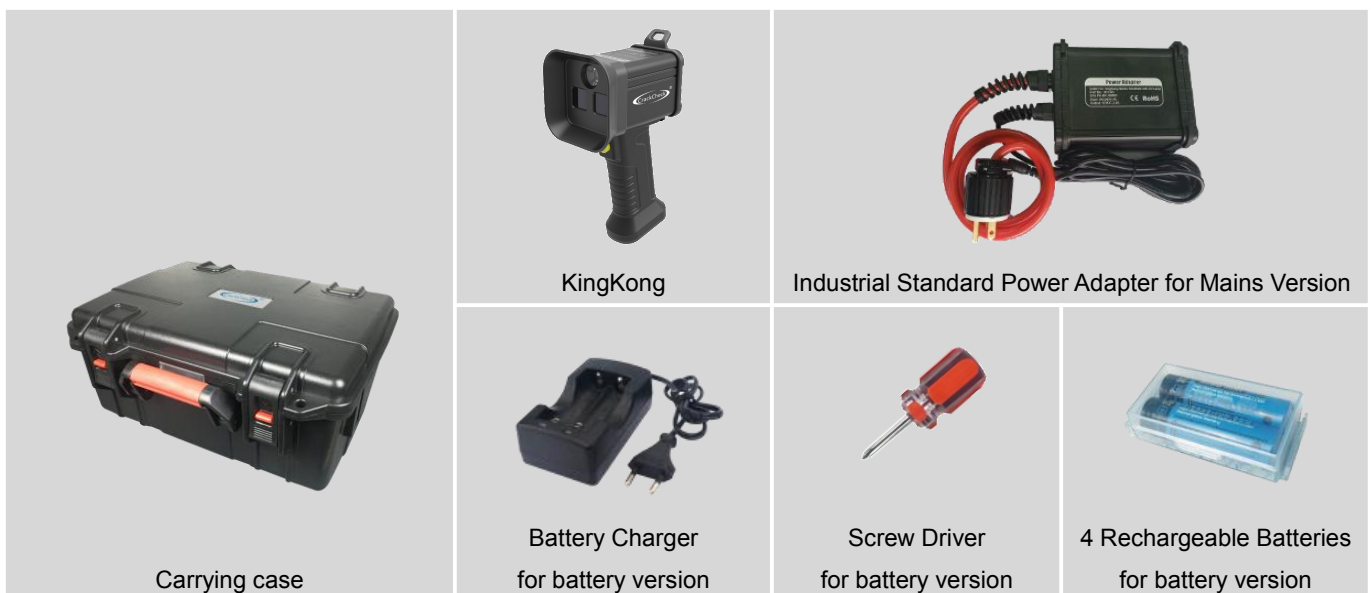
Spirit Series handheld LED UV lamp utilizes the state-of-art LED technology and makes it a great tool for fluorescent MT, PT and leak detection. Two versions are available: battery version and mains version ST-30. Both versions consist of 2 UV LEDs and 1 white LED. Spirit is famous for its certified explosion proof capabilities and super light design.



## Spirit Features

- Compliance with all international standards and regulations, e.g. ASTM E3022, RRES 90061, AITM6-1001
- Explosion proof certified per EU Directives
- Super light and handy design
- White light and UV light are easily switchable
- Power Supply: Battery or Mains
- 100% solid state circuit ensuring working steadily in strong magnetic field
- Safe and pure UV-A spectrum in the range of 365-370nm with no UV-B and UV-C

## A Complete Spirit Package



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## Spirit Data Sheet

Item	Spirit Mains	Spirit Battery
Model	ST-30 Mains	ST-30 Battery
Part Number	605003	605004
LED Source	2 UV-LEDs, 1 white light LED	
Wavelength	Certified 365-370nm	
UVA Intensity at 15"(380mm)	~ 4,000 uw/cm <sup>2</sup>	
Coverage Area at 15"(380mm)	> 1000uw/cm <sup>2</sup> : ~Φ 160mm	
Compliance	ASTM E 3022, ISO 3059, RRES 90061, NADCAP, AITM6-1001	
UVB /UVC	0	
Visible Light	< 5Lux (0.5 ft-candle)	
Dimension	82mm*112mm*200mm	
Weight	ca. 550g (1.2lb) without batteries ca. 640g (1.5lb) with batteries	
Operating Voltage	12V DC	
Power Supply	100-240V AC, 50/60Hz for mains version 2 * 3.7V lithium batteries (Type 18650) for battery version	
Running Time	~3 hours	
Battery Life	~1,000 charging cycles	

## Spirit Mounting Methods



Mounting on a steel rod for mains version



Mounting with spring balance and hook



Mounting with CHiNDT FlexArm

## Spirit Certification



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## Accessories & Protection



UV shield glasses



UV shield mask



UV shield gloves



UV shield clothes



White and UV meter

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