



SPIRIT

Handheld Inspection Lamp



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The Spirit series of UV lamps are compact and lightweight, with explosion proof certification (CE, RoHS, Ex).

They offer a very narrow spectrum, with a peak wavelength of 365nm, featuring four powerful UV-A (365 nm) LEDs, a convenient white light LED, providing a broad and even beam light source.

Spirit can provide a large coverage area of up to 160 mm, with a minimum UV-A intensity of 1200 $\mu\text{W}/\text{cm}^2$. All lamps are equipped with black light filters.

Models in the Spirit range meets Rolls Royce RRES 90061 and Airbus AITM6 - 1001 and are compliant with ASTM E2297, E3022, E1444, E1417 and ISO 3059.

ST-30: 2 UV LEDs and 1 white light LED. Each UV LED is covered with a black UVA filter. Battery and mains versions available.

The ST-30 **ST-30BEX:** is the certified explosion proof battery version of the Spirit, meeting EU Directives.

Spirit Kit package includes: Spirit lamp, Carry Case, Battery Charger, re-chargeable batteries & screwdriver (for battery version), industrial power adapter for mains version.



LED	2 UV LEDs, 1 white light LED
UV-A Irradiation >1000 $\mu\text{w}/\text{cm}^2$ (at 380mm)	4,000 uw/cm ²
	>1000uw/cm ² :~ Φ 160mm
Visible Light	< 5Lux (0.5 ft-candle)
Peak Wavelength	365nm \pm 5nm
Peak Bandwidth	FWHM:9nm \pm 1nm
Weight	Mains operated version: 550g (1.2 lbs) Battery operated version: 650g (1.5lbs)
Dimensions	82mm x 112mm x 200mm
Input Voltage	Mains:110-240V 50/60Hz
Battery	Running time: 3 hours
Input power	12W
UV-A radiation	Total:2W
Ambient Conditions	
Operating Temperature	5-45°C (41-113°F)
Storage Temperature	5-45°C (41-113°F)
Humidity during operation	Maximum 90% relative humidity (Non-condensing)
Air humidity, storage	Maximum 90% relative humidity (Non-condensing)
Emissions	
UV Radiation	No UV-B or UV-C radiation generated
Visible Light	Visible light emission less than 5 Lux (1 ft-candle)

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