

Flash light type LED Black Lights

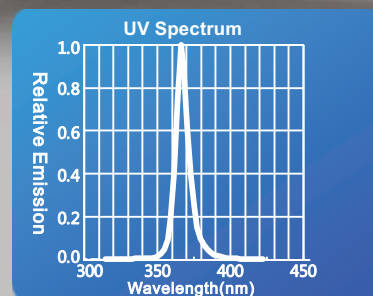
FL-100/200 (Focus /Diffusion)



A Revolution in Black Light Industry

- Focus model and Diffusion model are available
- Work Continuously, No Heat, Life Time > 30,000 Hours
- Two Li battery is included, For 10 hours working
- Only 0.6 pounds, Pocket sized

- Powerful UV LEDs applied (365nm, pure UV-A)
- UV Intensity at 15 inches (38 cm)
 - FL-100: 9,000 $\mu\text{W}/\text{cm}^2$
 - FL-200: 2,500 $\mu\text{W}/\text{cm}^2$
- Diameter UV coverage area at 15 inches (38 cm)
 - FL-100: 2.6" (6.5cm)
 - FL-200: 5.1" (13cm)
- Low visible light emission
 - less than 2 foot-candles (22 lux)
- Supplied with a Certificate.
- They meet ASTM for FPI and MPI.
- Protection IP65, Black anodized aluminum body



Specifications:

Power Supply: 115-240 VAC / 50-60 Hz (Universal)
 Weight: 0.6 pounds (0.3Kg)
 Dimensions: 8.2"×Φ1.7" (210×Φ45 mm)

Standard package includes:

UV absorbing spectacles, flashlight cover,
 2 #18650 Li rechargeable battery,
 110-220 VAC charger and robust carrying case.

Optional Spare parts:

PURE-365 Wood glass UV Filter

	LED UV Lights	Traditional Black lights	
		Mercury Vapor	HID blubs
UV Intensity	>9,000 $\mu\text{W}/\text{cm}^2$	>5,000 $\mu\text{W}/\text{cm}^2$	>6,000 $\mu\text{W}/\text{cm}^2$
Lifetime	30,000 hours	800- 3000 hours	
Heat	Low power consumption, low heat, temperature rise < 5°C	Not only emit UV lights, but also infrared lights. temperature rise >60°C when fans applied, dangerous for users	
Warm time	0 seconds	>10 Minutes	>5 Minutes
Weight	1.5 pounds	11-18 pounds	
Environmental	Green	High power consumption, Mercury-containing, high radiation	High power consumption, high voltage start

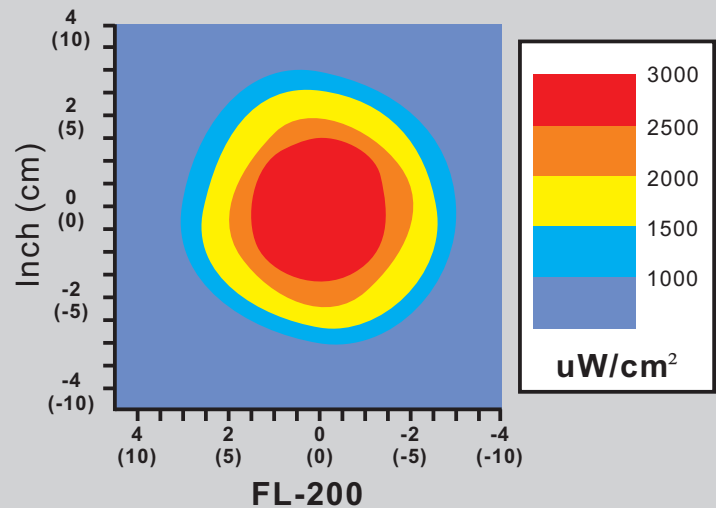
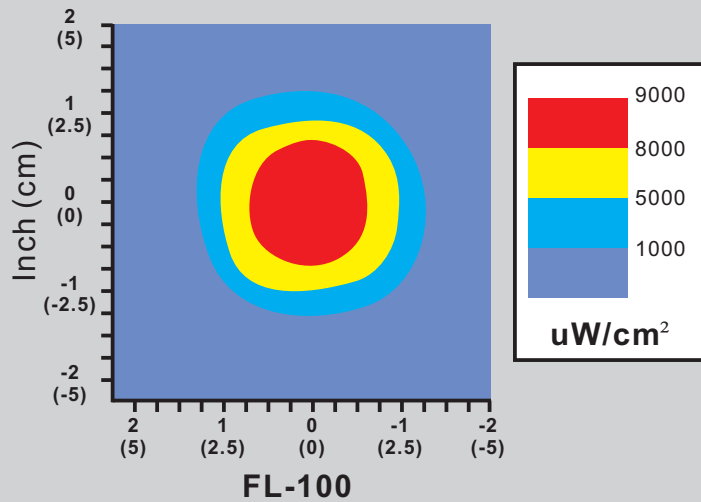


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Developed by:



UV-A Beam Distribution



Certification (Sample)

LCNDT
www.lcndt.net

ISO 9001 Registered

PRODUCT CERTIFICATE

PRODUCT: LED Black light
MODEL: FL-100
SERIAL NO.: 110001
MEASUREMENT BASED ON: ASTM E1417M-11/ASTM E1444M-11
MEASUREMENT RESULT: QC Passed

Testing Report:

The following data were obtained by using UV & Visible Light Meter TN-365 & YOKOGAWA at 15"(38cm) away from UV lights.

Maximum UV-A intensity @365nm: 9.554 uW/cm²
Maximum Visible light @555nm: 15 Lux

UV-A Spectrum:

INSPECTOR: [INSPECTOR 3]
MANAGER: [INSPECTOR 1]

Date of Measurement: 2014.1.14

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LCNDT
www.lcndt.net

ISO 9001 Registered

PRODUCT CERTIFICATE

PRODUCT: LED Black light
MODEL: FL-200
SERIAL NO.: 120001
MEASUREMENT BASED ON: ASTM E1417M-11/ASTM E1444M-11
MEASUREMENT RESULT: QC Passed

Testing Report:

The following data were obtained by using UV & Visible Light Meter TN-365 & YOKOGAWA at 15"(38cm) away from UV lights.

Maximum UV-A intensity @365nm: 2.783 uW/cm²
Maximum Visible light @555nm: 14 Lux

UV-A Spectrum:

INSPECTOR: [INSPECTOR 3]
MANAGER: [INSPECTOR 1]

Date of Measurement: 2014.1.14

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