

# Flash Light Type LED Black Lights

## FL-Series

### 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 Nichia UV LEDs applied (365nm, pure UV-A)
- UV Intensity at 15 inches (38 cm)
  - FL-100: 30,000  $\mu\text{W}/\text{cm}^2$
  - FL-200: 3,000  $\mu\text{W}/\text{cm}^2$
- 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 of Conformance for both wavelengths and output measurements. They meet ASTM UV-A intensity and LED wavelength specifications for FPI and MPI.
- Protection IP65, Black anodized aluminum body

#### Specifications:

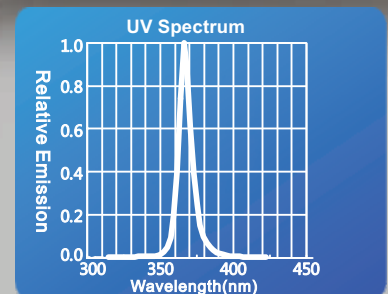
Power Supply: 115-240 VAC / 50-60 Hz (Universal)  
 Weight: 0.6 pounds (0.25Kg)  
 Dimensions: 8.2"×Φ1.7" (210×Φ45 mm)

#### Standard package includes:

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

#### Optional Spare parts:

PURE-365 Wood glass UV Filter



	LED UV Lights	Traditional Black lights	
		Mercury Vapor	HID blubs
UV Intensity	>30,000 $\mu\text{W}/\text{cm}^2$	>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	< 2 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:

**LCNDT**®

# LED UV Headlamp HD-Series

“No need of AC Power

10 hours continually working with Battery

- 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, convenient to use



- Powerful Nichia UV LEDs applied (365nm, pure UV-A)
- UV Intensity at 15 inches (38 cm)
  - HD-100: 30,000  $\mu\text{W}/\text{cm}^2$
  - HD-200: 3,000  $\mu\text{W}/\text{cm}^2$
- Diameter UV coverage area at 15 inches (38 cm)
  - HD-100: 2.6" (6.5cm)
  - HD-200: 5.1" (13cm)
- Low visible light emission
  - less than 2 foot-candles (22 lux)
- Supplied with a Certificate of Conformance for both wavelengths and output measurements. They meet ASTM UV-A intensity and LED wavelength specifications for FPI and MPI.
- Protection IP65, Black anodized aluminum body

## Specifications:

Charger: 115-240 VAC / 50-60 Hz (Universal)  
Weight: 0.6 pounds (250g) (2 Batteries included)  
Head part diameter:  $\Phi 7.9"$  ( $\Phi 200\text{mm}$ )

## Standard Package Includes:

UV absorbing spectacles, 2 #18650 Li rechargeable battery, 110-220 VAC charger and Aluminum carrying case included

## Optional Spare Parts:

PURE-365 Wood glass UV Filter



Powerful Nichia UV LEDs



Traditional  
Quartz lens

Special  
Optically PMMA Lens

