

# LEP FLASHLIGHTS – FROM LASER TO LIGHT: HOW LEP WORKS

LEP stands for 'Laser Excited Phosphor'. A cutting-edge lighting system that delivers an ultra focused, long range beam using laser precision. Unlike traditional LED flashlights that scatter light for general illumination, LEP flashlights concentrate light into a high intensity beam capable of reaching distances well beyond 1,000 metres. This makes them ideal for tactical, search and rescue, and long distance spotting applications.

## How LEP Works

LEP technology converts a focused blue laser into broad-spectrum white light using a phosphor reaction. The result is a beam with minimal spill and maximum reach. At the core of every LEP flashlight is a precision optical system:

- A blue laser diode generates the initial beam
- A collimating lens aligns the laser into a narrow stream
- The beam strikes a phosphor layer, converting it into visible light
- The output is shaped and projected through a glass lens, forming a concentrated beam with extreme throw

This process produces a beam profile that LED systems simply can't match intense, accurate, and built for distance.

## Why Choose LEP?

1. **Extreme Throw Distance** – Spot targets over 1km away with precision
2. **Minimal Spill** – Focused beam with no wasted light
3. **Energy Efficient** – High brightness with lower power draw
4. **Durable Design** – Built for harsh environments and professional use
5. **Optical Precision** – Engineered for accuracy in every beam

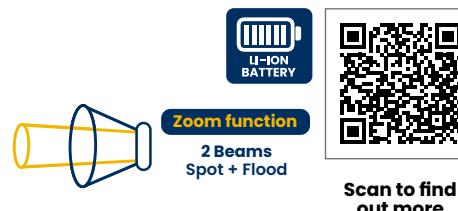




## RECHARGEABLE LEP FLASHLIGHT WITH LONG DISTANCE BEAM

Combines pinpoint spot and wide-angle beam options with rugged build and extreme throw distance—engineered for tactical, search, and precision lighting.

- Dual beam output: narrow LEP spot and wide-angle flood for flexible use
- 1200m beam reach with minimal spill—ideal for long-range visibility
- Type III hard anodised aluminium housing for enhanced durability
- Textured body for secure grip in wet or gloved conditions
- Heavy-duty wrist strap for safe handling and portability
- Battery status indicator for real-time power monitoring
- IPX4 waterproof design with 2.5-hour runtime



**NEW**

**LaserTron**



**250  
LUMENS**



**2.5H  
RUNTIME**



**1200M  
BEAM**



**IPX4  
RATED**



**4000mAh, 14.8Wh, Li-ion**

**MODES** **High**

**4hrs charging time**

**182 x 45.7mm Ø**

**305g**

**CODE** **NSLASER-TRON**

**Supplied with Type C USB charging cable**

**Optional Accessories:**

**UK or EU adaptor: CH-USB-UK/EU**

**12/24V: CHIC3.7-LI-ION**

