

# Intrinsically Safe Safety Hand Lamp (Rechargeable)

PART NUMBER SC.002



• Atex: II 2G Ex ib op is IIC T4 Gb,  
II 2D Ex ib IIIC T135°C Db IP66

The Safety Hand Lamp EX-250RL is suitable for hazardous area Zones 1 and 2. It is ATEX Directive certified for safe use in Zone 1 & 2 explosive gas atmospheres, as well as Zones 21 & 22 potentially explosive dust atmospheres.

The hand lamp uses a highly efficient LED bulb to provide a brilliant cool white output. Additionally, it features a rechargeable Lithium-Ion battery that provides bright white light for up to 21 hours. It is equipped with a detachable shoulder strap.

### Technical Details:

- **Type of Protection:** 'ib' Intrinsically safe
- **Areas of Classification (Gases):** Zone 1 and 2, Gas Groups: IIA, IIB, and IIC
- **Areas of Classification (Dusts):** Zone 21 and 22, Dust Groups: IIIA, IIIB, and IIIC
- **Temperature Classification:** T4
- **Maximum surface temperature (Dusts):** 135°C
- **Ambient Temperature:** -20°C to +40°C
- **Beam Type:** Spot
- **Beam Distance:** 50 meters
- **Output:**

Output Mode:	Lumen at Source:	Effective Lumens:
Regular	106 Lumens	50 Lumens

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### Technical Specifications:

- Light Duration: Up to 21 hours
- Light Source Type: LED Bulb (HL-250 only)
- Light Source Life: 25,000 Hours
- Power: 4V, 1W
- Power Source: Rechargeable Lithium-Ion battery, 4.2V 7.5Ah
- Battery Life: Up to 500 Recharge cycles
- IP Protection: IP66
- Impact Resistance: 1.5 meters
- Compatible Charger: LC-250 (charging time: 9.5 Hours)
- Product Net Weight: 1.145 Kg (including battery but without shoulder strap)
- Dimensions: 134 x 140 x 188 mm



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### Technical Specifications:

- Apparatus Standards:  
2014/35/EU Low Voltage Directive,  
2014/30/EU Electromagnetic Compatibility Directive
- Enclosure: Polypropylene
- Input Voltage: 90V-260V, 50/60Hz
- Power Consumption: 10W
- Output: DC 10V maximum, 800mA maximum
- Recharge Time: 9.5 hours
- Ingress Protection: IP20
- Mounting: The charger can be bench or wall-mounted
- Compatible Hand Lamp: EX-250RL & AT-1380
- Product Dimensions: 115 x 204 x 138 mm
- Product Net Weight: 0.672 kg

