

## Wolf® H-251A Rechargeable LED Handlamp

Article Number: 08020350

### Certification & Compliance:

- Suitable for use in Zones 1, 2 (gas) and Zones 21, 22 (dust)
- Gas Group: IIA, IIB, IIC
- Dust Group: IIIA and IIIB
- Temperature Class: T4
- Complies with EN IEC 60079-0, EN 60079-7, EN 60079-11 and EN 60079-31 standards.
- EX II 2GD Ex ib IIC T4 Gb (-10°C ≤ Ta ≤ +40°C)



Ex ib IIIB T170°C Db\*

\*The revised product approval code confirms compliance to IIIB nonconductive dusts and has a T170°C dust temperature.

The Wolf H-251A LED is the modernized version of the classic WolfLite design, a global industrial standard now updated with advanced LED technology. Offered by **IST Safety Ltd**, the official distributor of **Wolf**, this model provides significantly more durable and efficient illumination than traditional bulb-based lamps, thanks to its maintenance-free LED light source.

The device is fully certified for industrial hazardous areas (Zone 1/21) and underground mines (**I M2 Mining**). Featuring a highly impact-resistant antistatic polymer body and a 6mm toughened glass lens, it maintains its reliability under the harshest physical conditions. Its advanced rechargeable battery ensures continuous lighting throughout long shifts while minimizing operational costs.

### Usage Areas

- **Mining:** Underground mine operations, tunnel construction, and firedamp risk zones.
- **Oil & Gas:** Refineries, storage tank inspections, and offshore platforms.
- **Marine:** Engine rooms, cargo holds, and hazardous cargo operations.
- **Industrial Maintenance:** Chemical plants, power plants, and confined space entries.

### Technical Specifications:

- **Light Source:** High-power LED
- **Brightness Duration:** Up to 18.0 hrs
- **Body Material/Lens:** Thermoplastic, Anti-Static / Toughened Glass (6mm)
- **Power Source:** Operates on Rechargeable Battery, Sealed Lead Acid
- **Weight:** Approximately 1.84kg

## Warranty and Technical Support

- **Warranty:** 2-year manufacturer's warranty.
- **Official Support:** Original spare parts and professional technical service are provided through IST Safety Ltd, the official distributor of Wolf in Turkey.

## Standards



Ex-Proof (ATEX)



IECEX



CE 0598



LR Certificate

## TECHNICAL DETAILS

ÜRÜN REFERANSI		H-251ALED
ÜRÜN TANIMI		Şarj Edilebilir Güvenlik El Lambası
KOD	ETX, IECEX & UKCA	II 2GD Ex ib IIC T4 Gb (-10°C ≤ Ta ≤ +40°C) Ex ib IIIB T170°C Db* *Revize edilen ürün onay kodu, IIIB iletken olmayan tozlara uygunluğu onaylar ve T170°C toz sıcaklığına sahiptir.
KORUMA TİPİ		"ib" intrinsic safety
GAZ ALAN SINIFLANDIRMASI		Zone 1 & 2 Gaz Grupları IIA, IIB IIC

<b>SICAKLIK SINIFI (GAZ)</b>		T4
<b>TOZ ALAN SINIFLANDIRMASI</b>		Zone 21 & 22 Toz Grupları IIIA and IIIB
<b>MAKSİMUM YÜZEY SICAKLIĞI (TOZ)</b>		170°C
<b>ORTAM SICAKLIĞI</b>		-10°C to +40°C
<b>SERTİFİKA</b>	<b>ATEX</b>	BAS00ATEX2176
	<b>UKEX</b>	BAS21UKEX0359
	<b>IECEX</b>	IECEX BAS 16.0076
<b>YAPI(MATERYAL)/LENS</b>		Termoplastik, Statik Önleyici / Sertleştirilmiş Cam (6 mm)
<b>IŞIN TİPİ</b>		Spot with fringe light
<b>IŞIK KAYNAĞI</b>	<b>PARÇA NUMARASI</b>	H-88
	<b>TİPİ</b>	Yüksek Güçlü LED
	<b>WATTS</b>	1.2W
	<b>KAYNAKTAN ÇIKIŞ</b>	210lm
	<b>ÖMÜR</b>	25,000 saat
<b>GÜÇ KAYNAĞI</b>	<b>PARÇA NO</b>	H-66
	<b>TİPİ</b>	Kurşun asitli Şarj edilebilir batarya
	<b>VOLTAJ</b>	4V

KAPASİTE	5Ah
ÖMÜR	500' e kadar şarj döngüsü
IŞIK SÜRESİ	18 saate kadar
IP KORUMA SINIFI	IP66
AĞIRLIK (BATARYA DAHİL)	1.84kg

## What is ATEX Lighting?

[What is ATEX and what does exproof mean?](#) The **ATEX directive** is a set of European Union standards that define the safety requirements for equipment used in hazardous areas with explosive atmospheres. **Exproof** (Explosion-proof) refers to protection methods designed to prevent explosions by inhibiting the formation of sparks or electrical arcs in environments containing flammable gases, dust, or vapors. To ensure life and property safety in industrial facilities, the use of **ATEX-certified exproof devices** is a legal requirement.

## What is ATEX Zone Classification?

[ATEX Zone coding](#) is a technical classification based on the frequency and duration of the occurrence of an explosive atmosphere in a given area. While the terms **Zone 0, 1, and 2** are used for risks originating from gas, vapor, and mist; the codes **Zone 20, 21, and 22** are designated for environments containing combustible dust. This classification is a legal standard that determines the required Equipment Protection Level (EPL) for devices. Accurate zone identification both optimizes operational costs and minimizes occupational safety risks.

## What is IECEx Certification? How Does it Differ from ATEX?

In addition to ATEX certification, some projects may also require the IECEx Certification System (International Electrotechnical Commission Explosive Atmospheres System) certification. IECEx is an internationally recognized conformity assessment system for equipment intended for use in explosive atmospheres.

While ATEX is a European Union directive and a legal requirement within the European market, IECEx is a globally accepted certification system, widely preferred in regions such as the Middle East, Asia, and Australia.

From a technical perspective, both ATEX and IECEx are based on similar standards (e.g., the EN/IEC 60079 series). However:

- ATEX is a mandatory legal directive, whereas
- IECEx is an international certification system (voluntary, but widely required)

Therefore, while ATEX certification may be sufficient for certain projects, international tenders or critical industries such as oil & gas often prefer or require products that are certified to both ATEX and IECEx standards.

The appropriate certification should be determined based on the project location, client requirements, and application area.



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