

Wolf® HL-95 Hazard Lamp



The Wolf HL-95 is a professional hazard warning lamp featuring **Zone 0** and **Mining (Group I M1)** certifications, specifically designed to mark temporary obstacles, risky areas, or emergency routes in hazardous locations. Offered by **IST Safety Ltd**, the **official distributor of Wolf**, this product stands out with its ability to provide continuous flashing signals for months in areas where explosive atmospheres are persistently present.

The device features an antistatic polymer body to minimize static electricity risks and a high-visibility amber flashing light. Being battery-operated without the need for mains power, it creates a safe warning zone during maintenance works in refineries, underground mines, and chemical plants.

Usage Areas

- **Mining:** Marking collapsed galleries or hazardous passages in underground mines.
- **Oil & Gas:** Indicating open manholes or pipeline repairs during refinery maintenance works.
- **Chemical & Petrochemical:** Delineating temporary hazard zones and chemical spill areas.
- **Industrial Plants:** Functioning as a marker for confined space entries and emergency assembly points.

Certification & Compliance

- The HL-95 Hazard Lamp is semi-portable and stands on its own.
- It is an illuminated warning device.
- The lamp is CE marked and meets the ATEX directive.
- It is safe to use in Zones 0, 1, or 2 hazardous areas.
- Gas Group: IIA, IIB, IIC
- Temperature Class: T4
- Complies with EN IEC 60079-0, EN 60079-11 and EN 60079-28 standards.
- EX II 1G Ex ia op is IIC T4 Ga (Ta = -10°C to +40°C)

Technical Specifications

- Choose between flashing or static output.

- Flashing mode lasts up to 2 months.
- Daylight cut-out mode available.
- Ultra-bright LED light source.
- 180° bi-directional lens design.
- Highlights obstacles in hazardous areas.
- Clearly marks hazardous area zones.

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.



Ex-Proof (ATEX)

Standards



CE 0598

TECHNICAL DETAILS

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|-----------------------------------|--|
| Product Reference | HL-95 |
| PRODUCT DESCRIPTION | Primary Battery Operated Safety Hazard Lamp |
| CODE | II 1 G Ex ia op is IIC T4 Ga |
| TYPE OF PROTECTION | "i" intrinsic safety |
| AREA OF CLASS (GAS) | Zones 0, 1 and 2, Gas Groups IIA, IIB and IIC |
| TEMP. CLASSIFICATION (GAS) | T4 |
| AMBIENT TEMP | -10°C to +40°C |

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|----------------------------|--------------------|--|
| CERTIFICATE | | BAS 99 ATEX 1044X |
| ENCLOSURE | | Static dissipative polypropylene with metal lens guard |
| LENS | | Transparent plastic, colour as light source |
| LIGHT SOURCE | TYPE | Solid State LED |
| | LIFE COLOUR | Amber |
| POWER SOURCE | PART NUMBER | HL-3155X |
| | TYPE | Air Depolarised Primary Cell Battery |
| | VOLTS | 5.6v |
| | CAPACITY | 40Ah |
| | WEIGHT | 1.7kg |
| | DIMENSION | L 110 x W 110 x H 140 mm |
| LIGHT DURATION | | 1500 hours flashing mode, 500 hours static mode |
| INGRESS PROTECTION | | IP21 |
| WEIGHT (INC. CELLS) | | 2.9kg |

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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