

Wolf® XT-75 Rechargeable Handlamp

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The Wolf XT-75 is a top-tier rechargeable handlamp featuring **Zone 0** and **Mining (Group I M1)** certifications, specifically engineered for the most hazardous environments. Offered by **IST Safety Ltd**, the official distributor of **Wolf**, this model provides safe and powerful illumination in areas where explosive atmospheres are continuously present.



Equipped with advanced Li-ion battery technology and ultra-bright LED optics, the XT-75 is one of the lightest and safest hand-held projectors in its class. Its ergonomic design, easy-to-use switch even with gloves, and IP67 waterproof rating ensure maximum performance in any heavy field condition, from mines to petrochemical plants.

Usage Areas

- **Mining:** Underground coal and metal mines, the most hazardous zones with firedamp risks (M1 compliance).
- **Oil & Gas:** Zone 0 areas with continuous explosive gas risks, refineries, and platforms.
- **Marine:** Ship tanks, chemical tankers, and hazardous cargo operations.
- **Industrial Maintenance:** Confined space inspections and hazardous material response operations.

Certification & Compliance:

- Suitable for use in Zones 0, 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 and EN 60079-11 standards.
- EX I M1/II 1G Ex ia I Ma/IIC T4 Ga IP67
II 2D Ex ib IIIB T185°C Db
(Temperature ambient -30°C to +40°C)

Technical Specifications:

- **Light Source:** High-power LED
- **Brightness Duration:** Up to 7.5 / 15.0 hrs
- **Lens:** Toughened glass
- **Body Material:** Impact resistant thermoplastic, electrostatic non-hazardous
- **Power Source:** Operates on Rechargeable battery, Lithium-Ion
- **Weight:** Approximately 1.2kg

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

PRODUCT REFERENCE		XT-50	XT-70	XT-9X*	XT-75
PRODUCT DESCRIPTION		Rechargeable Safety Handlamp			
CODE (ATEX & IECEX)	INDUSTRIAL	I M2/II 2GD Ex ib I Mb/IIC T4 Gb IP67 Ex ib IIIB T185°C Db (Temperature ambient -30°C to +40°C)		I M1/II 1G Ex ia I Ma/IIC T4 Ga IP67 II 2D Ex ib IIIB T185°C Db (Temperature ambient -30°C to + 40 °C)	
	MINING	I M2 Ex ib I Mb IP67		I M1 Ex ia I Ma IP67	

TYPE OF PROTECTION		"ib" intrinsic safety		"ia" intrinsic safety	
AREA OF CLASSIFICATION (GAS)		Zones 1 and 2 Gas Groups IIA, IIB & IIC		Zones 0, 1 and 2 Gas groups IIA, IIB & IIC	
TEMP.CLASSIFICATION (GAS)		T4			
AREA OF CLASSIFICATION (DUST)		Zones 21 and 22 Dust Groups IIIA and IIIB			
MAX.SURFACE TEMPERATURE (DUST)		185°C			
CERTIFICATE		ATEX Baseefa09 ATEX0326X IECEx BAS 09.0153X			
ENCLOSURE		Impact resistant thermoplastic, electrostatic non-hazardous			
LENS		Toughened glass			
BEAM TYPE		Spot	Spot/Flood	Spot/Flood/Signal	Spot/Flood
LIGHT SOURCE	TYPE	High Power LED			
	QUANTITY	1 x White	2 x White	2 x White, 2 x Coloured	2 x White
	OUTPUT	430 lm (White)			
	LIFE	25,000+ hrs			
POWER SOURCE	TYPE	Rechargeable battery, Lithium-Ion			
	PART NO.	XT-202	XT-204	XT-206	XT-204
	LIFE	Up to 500 recharge cycles			

LIGHT DURATION	Up to 4.0 / 8.0hrs	Up to 7.5 / 15.0hrs	Up to 11.0 / 22.0hrs	Up to 7.5 / 15.0hrs
INGRESS PROTECTION	Up to 7.5 / 15.0hrs			
WEIGHT	1.2Kg			
COMPATIBLE CHARGER	XT-200L 12-24Vdc / XT-200H 90V-254Vac			
RECHARGE TIME	2.0 hrs	3.5 hrs	4.5 hrs	3.5 hrs

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.