Wolf® TR-24B T4 Series Safety Torches (2 Batteries-Right Angle)

Article Number: 08010200

The Wolf TR-24B and TR-26B models are high-durability battery flashlights featuring a 90-degree right-angle body design, specifically engineered for operations requiring hands-free use. Offered by IST Safety Ltd, the official distributor of Wolf, this series is a top choice for technical personnel due to its ability to be easily clipped onto jacket pockets or belts.

The product is fully certified for industrial hazardous areas (Zone 1/21) and underground mines (I M2 Mining). The TR-24B model covers the T4 temperature class, while the TR-26B is optimized for the most sensitive gas atmospheres (T6). With its high-impact resistant polymer body and IP67 waterproof rating, it ensures safe operation in the most demanding field conditions.

Certification & Compliance:

- Suitable for use in Zones 1 & 2, Zones 21 & 22 (dust)
- Dust Group IIIA,IIIB,IIIC
- Gas Groups IIA, IIB
- Temperature Class: T4
- Complies with EN IEC 60079-0, EN 60079-7, EN 60079-11, EN 60079-31 standards
- EX II 2GD Ex eb ib IIB T4 Gb
  Ex tb IIIC T95°C Db (-20°C ≤ Ta ≤+40/55°C)

Technical Specifications:

- **Light Source:** Xenon Filled Filament, 16 lm (at nom voltage)
- **Light Source Output (Lumens):** 16 lm (at nom voltage)
- **Brightness Duration:** Up to 12 hrs
- **Body Material/Lens:** Impact Resistant Thermoplastic, Electrostatic non-hazardous/ Toughened Glass lens
- **Power Source:** Operates with 2 x 1.5v-2 x H-20 (LR20)-R20/LR20 Primary Cells to IEC60086, providing illumination up to 12 hours.

- **Ingress Protection:**IP67
- **Weight (excl./inc. cells):** Approximately 190 / 490 grams.

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

ATEX TORCHES

PRODUCT REFERENCE	TS-26B	TR-26B	TS-24B	TR-24B
PRODUCT DESCRIPTION	Safety Torch, Primary Cell Powered, Straight or Right-Angle			
	Straight	Right-Angle	Straight	Right-Angle
CODE	II 2GD Ex eb ib IIB T6 Gb Ex tb IIIC T65°C Db (-10°C ≤ Ta ≤ +40°C)	II 2GD Ex eb ib IIB T6 Gb Ex tb IIIC T65°C Db (-20°C ≤ Ta ≤ +40°C)	II 2GD Ex eb ib IIB T4 Gb Ex tb IIIC T95°C Db (-10°C ≤ Ta ≤ +40/55°C)	II 2GD Ex eb ib IIB T4 Gb Ex tb IIIC T95°C Db (-20°C ≤ Ta ≤ +40/55°C)
TYPE OF PROTECTION	Increased safety, intrinsic safety			
AREA OF CLASS(GAS)	Zones 1 & 2 Gas Groups IIA, IIB			
MAX.SURFACE TEMPERATURE(GAS)	T6		T4	
AMBIENT TEMPERATURE (GAS)	-10°C to +40°C	-20°C to +40°C	-10°C to +40°C/+55°C*	-20°C to +40°C/+55°C*
AREA OF CLASS (DUST)	Zones 21 and 22 Dust Groups IIIA, IIIB, IIIC			
TEMPERATURE CLASS(DUST)	65°C		95°C	
CERTIFICATE	BAS02ATEX2220X / IECEx BAS 15.0033X			

ENCLOSURE		Impact Resistant Thermoplastic, Electrostatic non-hazardous			
LENS		Polycarbonate	Toughened Glass	Polycarbonate	Toughened Glass
BEAM TYPE		Medium Spot			
LIGHT SOURCE	**PART NO.**	**TP-406**		**TP-404**	
	BULB TYPE	Vacuum Filament		Xenon Filled Filament	
	RATING	2.4V, 0.5A		2.4V, 0.7A	
	OUTPUT	11.4 lm (at nom voltage)		16 lm (at nom voltage)	
	LIFE	15 hrs		50 hrs	
	SPARE	**TP-406**		**TP-404**	
POWER SOURCE	**PART NO.**	2 x T-20 (R20)		2 x H-20 (LR20)	
	TYPE	R20 Primary Cells to IEC60086		R20/LR20 Primary Cells to IEC60086	
	VOLTS	2 x 1.5v		2 x 1.5v	
LIGHT DURATION		Up to 5 hrs		Up to 12 hrs	
INGRESS PROTECTION		IP67			
WEIGHT(EXCL.CELLS)		150g	190g	150g	190g
WEIGHT(INC.CELLS)		350g	390g	450g	490g

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.