# Wolf® WTL-575/230 Ex-Proof Towerlite Lighting System



The Wolf Towerlite WTL-575-230 is a high-performance, portable **ex-proof tower-style** lighting system designed for the illumination of very large areas in hazardous locations. Offered by **IST Safety Ltd, the official distributor of Wolf**, this system is specifically optimized for large-scale industrial operations and outdoor field works requiring high-level overhead lighting.

Certified for Zone 1/21, the Towerlite delivers ultra-high light output through its 575W metal halide lamp. With a robust and corrosion-resistant aluminum body, stainless steel mounting components, and an IP66 ingress protection rating, it has proven its reliability in the harshest outdoor conditions, from shipyards to oil refineries. Capable of being integrated with telescopic tripod systems or fixed tower structures, this solution illuminates vast sites with daylight clarity to maximize operational safety and efficiency.

## Usage areas

- **Oil & Gas:** General area lighting in refineries, large-scale shutdown operations, and drilling platforms.
- **Shipyards and Marine:** High-level illumination for over-deck and dry-dock operations during shipbuilding processes.
- **Aviation:** Airport refueling areas, off-hangar maintenance works, and emergency response points.
- **Outdoor Maintenance and Repair:** Large-scale construction sites, mining service areas, and power plants with explosive atmosphere risks.

The WTL ATEX Towerlite™ is a robust, transportable tower light solution certified for ATEX, IECEx, and UKEX Zone 1, 2/21, 22. It extends up to 5.4 meters and features three adjustable LED LFX2 Floodlites, providing up to 78,000 lumens of bright light for illuminating medium to large indoor or outdoor areas.

## Certification

- **Safety Certified:** ATEX, IECEx, and UKEX Zone 1, 2/21, 22.

## Technical Specifications:

Standards

Ex-Proof (ATEX)

CE 0598

## TECHNICAL DETAILS

| WTL ATEX TOWERLITE | | |
|---|---|---|
| **PRODUCT REFERENCE** | **WTL-575/110** | **WTL-575/230** |
| **PRODUCTION DESCRIPTION** | Fully certified ATEX, IECEx and UKEX Zone 1,2/21,22 tower lighting solution | |
| **CODE** | II 2 G Ex eb mb IIC T4 Gb II 2 D Ex tb IIIC T110°C Db | |
| **CERTIFICATION** | ExVeritas 19 ATEX 0586X / IECEx EXV 19.0079X / ExVeritas 21 UKEX 0939X | |
| **INPUT POWER** | 3 x 180W | |
| **VOLTAGE OPTIONS** | 88 - 140V AC 50 - 60 Hz | 180 - 277V AC 50 - 60 Hz |
| **POWER FACTOR** | >0.90 | |
| **LIGHT OUTPUT** | 78,000 lumens | |
| **LIGHT SOURCE** | 3 X Wolf LFX2 Floodlites (32 LEDs per light); beam angle 62° | |
| **PLUG OPTIONS** | ATX, CEAG, Marechal, Stahl | |
| **DIMENSIONS** | Mast height - 5.4m when fully extended | |
| **WEIGHT** | Approximately 320kg (including lights) | |
| **AMBIENT** | -20°C to +50°C | -20°C to +49°C |
| **COLOUR TEMPERATURE** | 5000K | |

### 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.