

Wolf® WAL Area Light



The Wolf WAL (Wide Area Luminaire) LinkEx LED system is a **next-generation** modular ex-proof floodlight designed to safely illuminate extensive sites and large-scale workspaces in hazardous areas. Offered by IST Safety Ltd, the **official distributor of Wolf**, this system serves as a highly efficient alternative to traditional 250W and 400W halogen floodlights, providing up to 80% energy savings and a powerful output exceeding 6,000 lumens.

The standout feature of the system is the "LinkEx" (daisy-chain) connectivity architecture, which allows multiple units to be interconnected to illuminate vast areas from a single power source. Certified for Zone 1/21, the WAL series features an impact-resistant polycarbonate lens, IP67 ingress protection, and a lightweight aluminum body, ensuring consistent performance in the most demanding industrial environments, from shipyards to refineries and aircraft hangars.

Usage Areas

- **Oil & Gas:** Large-scale refinery shutdowns, internal tank lighting, and pipeline maintenance points.
- **Marine & Shipyards:** Cargo holds, dry docks, ballast tanks, and nighttime deck operations.
- **Aviation & Defense:** Aircraft hangars, refueling areas, and large assembly sites requiring detailed maintenance lighting.
- **Heavy Industry:** Chemical storage facilities, power plants, and illumination of silos where explosive dust risks are present.

The WAL Area Light is a high-power, portable LED designed for hazardous environments, ideal for safely illuminating large areas with wide, even light coverage. Certified to ATEX and IECEx standards, it is suitable for Zones 1, 2, 21, and 22 potentially explosive atmospheres. The WAL-725 model features 32 LEDs with a 62° beam angle and delivers up to 30,944 lumens. Its marine-grade aluminium housing is rated IP66/IP67 for dust and water resistance, and a full range of mounting accessories ensures flexible installation for both indoor and outdoor use.

Certification

- **ATEX and IECEx Certified:** ATEX and IECEx certified for Gas Zone 1 and Dust Zone 21.
- **Temperature class:** T4
- **Ingress protection:** IP66 and IP67 rated
- **Ambient temperature range:** -50°C (-25°C when fitted with H07RN-F cable) to +50°C (230V upper temperature +49°C)
- **Voltage range:** 88–140V AC and 180–277V AC
- Complies with EN IEC 60079-0, EN IEC 60079-7, EN 60079-18 and IEC 60079-31
- EX II 2 G Ex eb mb IIC T4 Gb

II 2 D Ex tb IIIC T T110°C Db

Ta -50°C to +70°C (dependent on model type)

Technical Specifications:

- Up to 30,944 lumens at source
- 62° beam angle for wide, even coverage
- 5000K white light for bright, crisp illumination, ideal for general work areas
- Indexed tilt adjustment with 270° range for precise light direction
- Marine-grade aluminium body with toughened glass for durability and long life
- Ultra-long-life LEDs providing 100,000+ hours operation
- Stackable stainless steel frame with integral cable tidy
- Robust stainless steel lens guard (must remain fitted)
- Supplied with 5m H07RN-F cable and ATEX plug (other plug types available on request)
- Scaffold mounting clamp accessory available

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

TECHNICAL DETAILS

PRODUCT REFERENCE	WAL-725-110-8	WAL-725-230-8
PRODUCT DESCRIPTION	LED Area Light	
CODE	II 2 G D Ex eb mb IIC T4 Gb Ex tb IIIC T110°C Db	
CERTIFICATE NUMBERS	ExVeritas 19 ATEX 0586X IECEX EXV 19.0079X ExVertias 21 UKEX 0939X	
INPUT VOLTAGE RANGE	88 - 140V AC	180 - 277V AC
INPUT POWER	180W	
FREQUENCY	50-60 Hz	
POWER FACTOR	>0.90	
ENCLOSURE	Marine grade aluminium alloy, epoxy powder coated	
Lumen Output (MAX)*	30,944 lumens (at source)*	
LEDs	32 LED	
BEAM ANGLE	Flood (62°)	
Ingress Protection	IP66/67	
Lower Temp. Limit	-50°C**	
Upper Temp. Limit	+50°C	+49°C
Weight	20.2kg (excluding cable)	

Colour Temperature	5000K
Cable/Plug	5m H07RN-F (2.5mm ²) plus ATX plug as standard (others available on request)
Accessories	Scaffold Mounting Clamp

- Lumen output figures stated are for 230V AC
- -25°C with H07RN-F cable fitted. Other cables available upon request.
- WAL models must not be mounted with the cable entry at the top

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.