



# AVIATION EX LIGHTING SOLUTIONS



**PORTABLE LIGHTING**

**INSTALLED LIGHTING**

**AREA LIGHTING**

**POWER DISTRIBUTION**

**VENTILATION**

**TEMPORARY LIGHTING**

**ACCESSORIES**

A trusted partner for Hazardous Area lighting safety and performance

With over 100 years' experience, one of the widest Hazardous Area product ranges available, and an expert technical team always on hand, Wolf Safety is a proven partner for ATEX and IECEx-certified portable, temporary and installed lighting, power distribution and ventilation solutions.

Our expertise has been built by supporting industries where potentially explosive atmospheres, confined spaces and uncompromising safety standards are part of everyday operations. Our products are designed and manufactured with a deep understanding of risk, regulation and real-world use.

**Proven across the world's most demanding sectors. Wolf solutions are trusted in many Hazardous Area applications and industries, including:**

- Oil & Gas
- Power Generation
- Utilities
- Chemical and Process Industries
- Aviation
- Marine
- Emergency Services & Firefighting
- Military

By applying proven engineering, certification knowledge and practical field experience, Wolf supports operators with confidence, compliance and operational efficiency.



## Examples of Wolf ATEX/IECEx lighting in service within aviation operations...

**ATEX/IECEx lighting is specified only within areas classified as hazardous by the site's Hazardous Area classification and operating procedures.**

- **Flight line / apron maintenance at night:** Wheel changes, undercarriage inspections, cockpit and cargo bay work - supported by portable, rechargeable lighting for outdoor and remote operations
- **Hangar and flight line support for large-aircraft work:** High-output area lighting for engine removal and major maintenance tasks, including sites with limited fixed lighting
- **Deployed / expeditionary maintenance:** Compact lighting systems used for hangar and deployed engineering tasks where rapid set-up and reliability are critical
- **Boeing 737 fuel tank maintenance:** LED luminaires and linkable leadlamps providing bright, hands-free lighting inside tanks; a "kit" approach to support efficient set-up and turnaround



BRITISH DESIGN, INNOVATION AND MANUFACTURE SINCE 1912



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# ATEX & IECEX LIGHTING FOR AVIATION HAZARDOUS AREAS

Explosive atmospheres in aviation are most commonly associated with flammable fuel vapours/mists (Jet A-1 / AVGAS) and flammable solvent vapours (paint, coatings, cleaning). Where a site's Hazardous Area classification identifies Zone 0, Zone 1 or Zone 2 locations, lighting must be suitable for use in those zones. All Wolf Safety Hazardous Area lighting products are certified to both ATEX and IECEx, supporting consistent specification across international airports, MRO and fuel operations.

## Typical areas where Hazardous Area lighting is specified within the Aviation industry:

### AIRCRAFT FUELLING & DEFUELING OPERATIONS (APRON / STAND)

- Lighting within designated hazardous zones around hose connections, couplings, vents, sampling/drain points, and bonding/earthing points
- Illumination of hydrant pits, valve pits, service trenches and low points where vapours may accumulate
- Portable task lighting for night operations and controlled inspections at the aircraft interface

### AIRCRAFT FUEL SYSTEM MAINTENANCE & FUEL TANK ENTRY WORK

- Portable and confined-space lighting for fuel tank inspection and maintenance in designated Zone 0/1 environments
- Hands-free/task lighting for opening fuel drains/vents/lines, component change-outs and troubleshooting
- Lighting to support controlled ventilation/purging arrangements and verification activities during tank work

### AVIATION FUEL STORAGE, TRANSFER & DISTRIBUTION (FUEL FARM / DEPOT)

- Fixed lighting at tank fill points, vents, sampling points, drains and gauging/monitoring locations
- Lighting for pump houses, filter/water separator skids, metering and valve manifolds
- Task/inspection lighting for bunded areas, controlled maintenance points and access routes

### PAINT, COATINGS, SOLVENT CLEANING & FLAMMABLE LIQUID STORES

- Fixed lighting for spray booths and associated controlled zones during solvent-based coating operations
- Lighting for paint/solvent mixing rooms and flammable liquid storage areas
- Portable task lighting for surface preparation and solvent wipe-down activities within designated Hazardous Areas

### REFUELLING VEHICLES & HYDRANT DISPENSERS (FUEL EQUIPMENT INTERFACES)

- Task lighting for hose/adaptor changes, sampling, filter changes and equipment inspections
- Lighting around vehicle-mounted pumps, vents, manifolds and couplers where vapours may be released
- Portable lighting for defect rectification when fuel system components are opened under permit

### BATTERY CHARGING ROOMS (HYDROGEN RISK WHERE THE AREA IS CLASSIFIED)

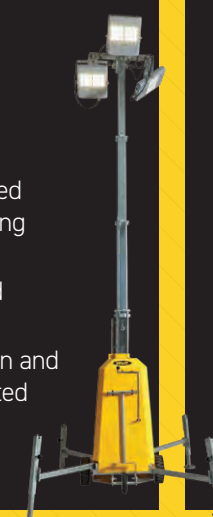
- Lighting in hazardous zones of battery rooms/charging areas where hydrogen generation is a recognised risk
- Portable lighting for maintenance activities under the site's controls/permit system



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# ATEX PORTABLE LIGHTING

Our wide range of ATEX certified LED Portable Hazardous Area lighting for safe use in potentially explosive atmospheres worldwide, includes intrinsically safe handheld straight and right-angled torches, head torches and handlamps, including the renowned Wolfite Handlamp, for use with either primary cell or rechargeable batteries and chargers.



## HANDLAMPS INCLUDING:

**WOLFLITE™ XT RECHARGEABLE LED HANDLAMP XT-50**  
GAS ZONES 1/2 DUST ZONES 21/22  
EMERGENCY FUNCTION

**WOLFLITE™ XT RECHARGEABLE LED HANDLAMP XT-70**  
GAS ZONES 1/2 DUST ZONES 21/22  
EMERGENCY FUNCTION

**WOLFLITE™ XT RECHARGEABLE LED HANDLAMP XT-75**  
GAS ZONES 0/1/2 DUST ZONES 21/22  
EMERGENCY FUNCTION



## HEADTORCHES INCLUDING:

**ATEX ZONE 0 LED HEADTORCH HT-400Z0**  
GAS ZONES 0/1/2 DUST ZONES 21/22

**ATEX ZONE 0 LED HEADTORCH HT-650**  
GAS ZONES 0/1/2 DUST ZONES 21/22



## TORCHES INCLUDING:

**LED MINI TORCH**  
GAS ZONES 0/1/2 DUST ZONES 20/21/22

**ATEX ZONE 0 COMPACT SAFETY LED TORCH TR-65 & TS-65**  
GAS ZONES 0/1/2 DUST ZONES 21/22

**ATEX RECHARGEABLE LED TORCH R-55 & R-50 ZONE 0/1**  
GAS ZONES 0/1/2 DUST ZONES 21/22  
EMERGENCY FUNCTION



## WARNING LIGHTS INCLUDING:

**HAZARD LAMP HL-95**  
GAS ZONES 0/1/2

**MARKERLITES**  
ML-15W WHITE  
ML-15R RED  
ML-15A AMBER  
GAS ZONES 1/2 DUST ZONES 21/22



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# ATEX TEMPORARY LIGHTING

## PORTABLE ATEX LED INSPECTION LIGHT

**NEW!**

The TY-300 is a compact and lightweight, portable ATEX Zone 1/21 LED inspection lamp. It can be comfortably handheld for close-up inspection work, or suspended by the integrated swivel hooks for use as a temporary task light.



### ATEX TY-300 PORTABLE ATEX LED INSPECTION LIGHT

**GAS ZONES: 1/2  
DUST ZONES: 21/22**

**POWER SOURCE:  
LEAD**

**88-140V AC  
180-277V AC**

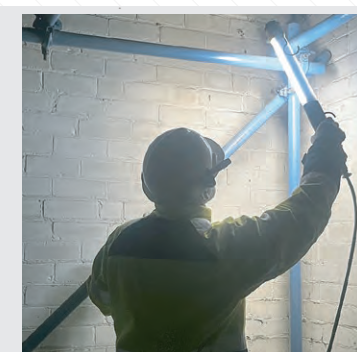


- Up to 1390 lumens (emitted) light output
- Patented DLO (Directional Linear Optics) technology for low glare
- Available in two sizes: 640 mm or 910 mm
- 110V and 230V models available
- Compact and lightweight for close-up handheld inspection work
- Supplied with 2 integrated swivel hooks for hands-free task lighting
- Supplied with 10m of H07RN-F 3 core flexible 1.5 mm<sup>2</sup> cable as standard
- Can be supplied with fitted ATX, CEAG, Marechal or Stahl Ex plugs
- Designed to permit users to change the cable when required

### LIGHT OUTPUT

**TY-300/18 - 1006 LUMENS  
TY-300/26 - 1390 LUMENS**

**PATENTED DLO (DIRECTIONAL  
LINEAR OPTICS) TECHNOLOGY  
FOR LOW GLARE**



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# LINKEx™ TEMPORARY LUMINAIRES & FLOODLITES



LINKEx™ LX-400 LED  
TEMPORARY LUMINAIRE

GAS ZONES: 1/2  
DUST ZONES: 21/22  
POWER SOURCE: LEAD

LV: 18-50V AC/DC  
HV: 90-264V AC

SOVI™



LINKEx™ LX-400E LED  
EMERGENCY TEMPORARY  
LUMINAIRE

GAS ZONES: 1/2  
DUST ZONES: 21/22  
POWER SOURCE: LEAD &  
EMERGENCY BATTERY

LV: 18-55V AC/DC  
HV: 90-264V AC

SOVI™



LINKEx™ WF-300XL  
LED FLOODLITE

GAS ZONES: 1/2  
DUST ZONES: 21/22  
POWER SOURCE: LEAD

LV: 18-50V AC/DC  
HV: 90-264V AC/DC

SOVI™



LINKEx™ WF-250XL  
LED FLOODLITE

GAS ZONES: 1/2  
DUST ZONES: 21/22  
POWER SOURCE: LEAD

LV: 18-50V AC/DC  
HV: 90-264V AC/DC

SOVI™

## SOVI™

SOVI™

SOVI™ (Safe Optimal Voltage Indicator) technology is a unique feature of our Temporary Lighting range. It ensures that your lighting solution is operating safely, effectively and at the optimal voltage level, and gives clear visual warning signals if it is not.

SOVI™ lights are certified and safe down to 0 volts.



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# ATEX RECHARGEABLE WORKLIGHTS

Wolf Rechargeable Worklights are ideal for Hazardous Area locations which lack a convenient power source.



ATEX LED MINI  
WORKLITE™ WL-50

GAS ZONES: 1/2  
DUST ZONES: 21/22  
POWER SOURCE: RECHARGEABLE



ATEX LED WORKLITE™

GAS ZONES: 1/2  
DUST ZONES: 21/22  
POWER SOURCE: RECHARGEABLE



ATEX ZONE 0 FLOOD BANKS

GAS ZONES: 0/1/2  
DUST ZONES: 21/22  
POWER SOURCE: RECHARGEABLE

# LINKEx™ ATEX TANK LIGHTING KITS



LINKEx™ TANK LIGHTING KITS

GAS ZONES: 1/2  
DUST ZONES: 21/22  
POWER SOURCE: LEAD

230V OR 110V INPUT TO 24V



**Extended  
cable lengths  
available**

up to 100 metres  
from transformer  
to lights.

Talk to our  
Solutions Team  
for more  
information.

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# ATEX VENTILATION

Wolf is the UK distributor of the Ramfan™ range of Hazardous Area ventilation fans, ducting and Venturi units. They are ATEX and IECEx certified for safe use in Hazardous Areas, and are available in 115 or 230 volt options.



## FANS / VENTILATORS

**VF-UB20XX 20CM**  
GAS ZONES: 1/2 0.33 HP [0.25KW]

**VF-EFi75XX 30CM**  
GAS ZONES: 1/2 0.75 HP [0.56KW]

**VF-EFi150XX 40CM**  
GAS ZONES: 1/2 1.5 HP [1.1KW]

## VENTURI



- Available in 3 sizes
- Minimal maintenance - no moving parts
- Cylindrical mixing chamber delivers higher induction ratios
- Highly reliable
- Fixed standard API openings
- Tough and durable anti-static polymer housing

# ATEX AREA LIGHTING

We're proud to introduce two brand new ATEX and IECEx certified lighting solutions in our new Area Lighting range for Hazardous Areas. The new WTL Towerlite™ is a high powered, linkable Area Light that illuminates medium to large sized areas from above. The WAL Wolf Area Light is compact, directional, and movable, with market leading light output.



WAL AREA LIGHT

GAS ZONES: 1/2  
DUST ZONES: 21/22  
POWER SOURCE: LEAD

88-140V AC 180-277V AC



WTL ATEX TOWERLITE™

GAS ZONES: 1/2  
DUST ZONES: 21/22  
POWER SOURCE: LEAD

88-140V AC 180-277V AC



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# RAMFAN AIRCRAFT FUEL TANK VENTILATION KIT

**RAMFAN Aircraft Fuel Tank Ventilation Kit (EB7500WT)** is designed for aircraft pre-flight ventilation and fuel tank maintenance works. It provides adequate airflow for the aerospace ground personnel performing Maintenance, Repair, and Overhaul (MRO) works on aircraft extracting toxic dust, fumes, aerosol and vapour contaminants in the aircraft out into designated exhaust zones at the hangar keeping the aircraft and the facility safe and hazard free. It is also used as a cabin air filtration system keeping the ambient free from airborne contaminants and maintaining a healthy environment for all technical-flight crew and passengers during pre-flights and while carrying out maintenance works on aircraft.

RAMFAN EB7500WT ventilation kits are commonly found in the General Aviation (GA), Commercial Airline Airport Hangars, and Military Air Bases worldwide.



The kit is comprised of a 30 cm 115V or 230V Hazardous Area Fan/Ventilator, a selection of anti-static ducting, duct couplers and splitters, a fuel-tank adaptor, and associated accessories for flexible ventilation set-up.

GAS ZONES: 1 / 2  
POWER SOURCE: LEAD

115/230V AC

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# ATEX AIRLAMPS



Our world-famous and market-leading compressed air driven ATEX and IECEx-certified airlamp range has recently been updated. Whilst using the same proven components and maintaining the excellent performance of the existing range, the A-TL44C and A-TL45C are:

- **Smaller**
- **Easier to maintain**
- **New, easy to fit seals**
- **Between 20% and 25% lighter** (aluminium non-sparking grade construction)



**ATEX TURBOLITE A-TL44C  
BAY LIGHT**

GAS ZONES: 1/2  
DUST ZONES: 21/22

POWER SOURCE: AIR  
24V BULB



**ATEX TURBOLITE A-TL45C  
FLOOD LIGHT**

GAS ZONES: 1/2  
DUST ZONES: 21/22

POWER SOURCE: AIR  
24V BULB

# ATEX TEMPORARY POWER

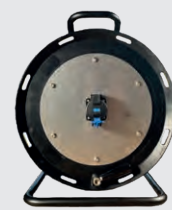
With our range of ATEX and IECEx certified Hazardous Area power distribution products, Wolf can provide everything you need to safely illuminate any Hazardous Area, no matter what the size.



**TRANSFORMERS**



**SPLITTER BOXES**



**CABLE REELS**



**EXTENSION CABLES**



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# ATEX INSTALLED LIGHTING



Our extensive Hazardous Area lighting range now includes ATEX and IECEx certified LED Installed lighting, consisting of:

- FFA (Forward Facing Array) or DLO (Directional Linear Optics)
- Floodlights - 4 different beam patterns available
- Highbays - 4 different beam patterns available
- Bulkheads - including Intelligent Emergency versions
- Linears - standard industry lengths and fittings for easy retrofit of existing installations



**LHX Highbay**

GAS ZONES: 1/2  
DUST ZONES: 21/22

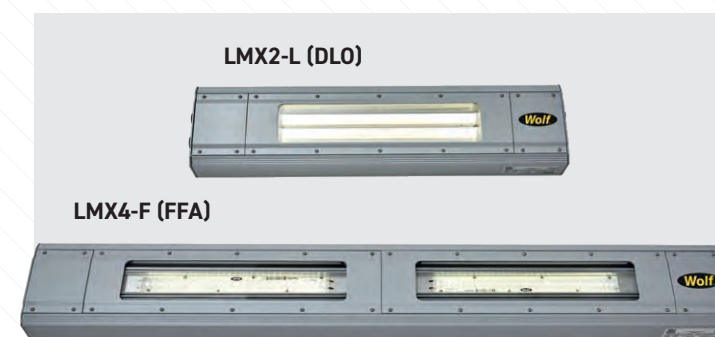
INPUT VOLTAGE RANGE:  
88 - 140V AC  
180 - 277V AC



**LFX FLOODLITE**

GAS ZONES: 1/2  
DUST ZONES: 21/22

INPUT VOLTAGE RANGE:  
88 - 140V AC  
180 - 277V AC



**LMX/E LINEAR**

GAS ZONES: 1/2  
DUST ZONES: 21/22  
AVAILABLE IN DLO OR FFA  
EMERGENCY AVAILABLE

INPUT VOLTAGE RANGE:  
88-140V AC; 180 - 277V AC  
100-140V AC; 200-277V AC  
(EMERGENCY)



**LBX/E BULKHEAD**

GAS ZONES: 1/2  
DUST ZONES: 21/22  
AVAILABLE IN DLO  
EMERGENCY AVAILABLE

INPUT VOLTAGE RANGE:  
88-140V AC; 180 - 277V AC  
100-140V AC; 200-277V AC  
(EMERGENCY)

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# ATEX LIGHTING ACCESSORIES

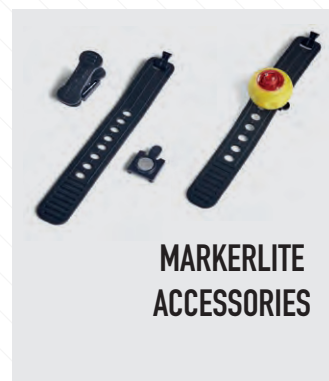
We offer a broad selection of accessories for charging, protecting, fixing and mounting our range of portable and temporary lighting.



LX-400 ACCESSORIES



WF-250XL / WF-300XL ACCESSORIES



MARKERLITE ACCESSORIES



OTHER ACCESSORIES

# EX PIR AUTOMATIC ILLUMINATION SYSTEM

The PIR-500 is a Passive Infrared Sensor (PIR) motion detector that is both ATEX and IECEx approved for safe use in Zones 1,2 and 21,22 potentially explosive atmospheres. It is equipped with a 230V/16A rated dry contact, allowing it to control lighting installations and ancillary equipment to improve safety and boost energy efficiency.

- Instant illumination
- Save energy
- Reduce accidents
- Reduce impact on the environment



PIR-500

GAS ZONES: 1/2  
DUST ZONES: 21/22  
AC Input 110V to 230V



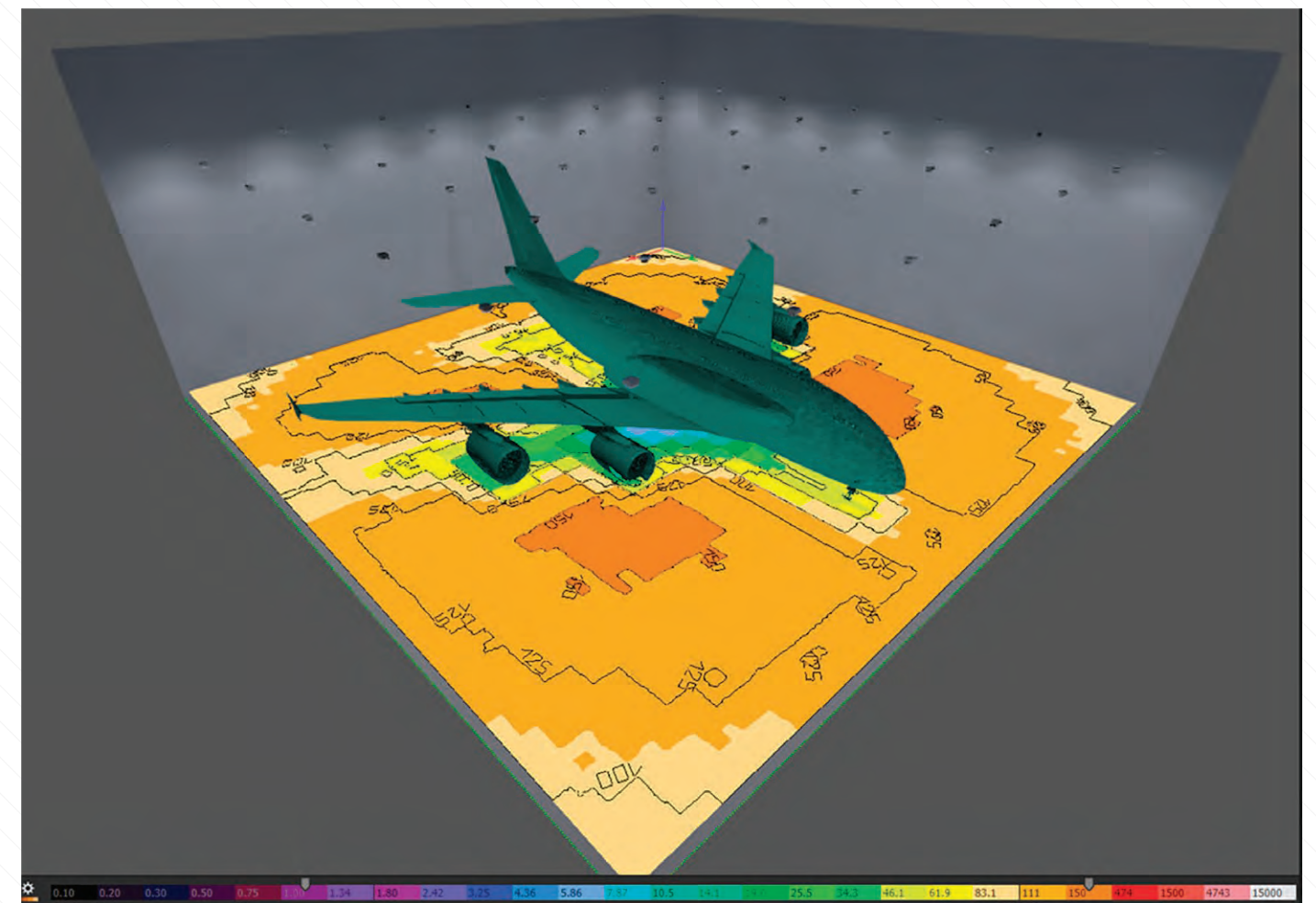
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# LIGHTING DESIGN SERVICE

Wolf's specialist lighting design team can provide free detailed lighting plans that clearly illustrate the different, customised options we can offer to safely and efficiently illuminate your Hazardous Area.

We can simulate light levels of different options and combinations that Wolf products will produce for your site, using industry standard modelling and illuminance mapping software.



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O&E accepted

