

## Wolf® WL-80/WL-85 Ex-proof LED MINI WORKLITE™



The Wolf WL-80 and WL-85 "Worklite" are **rechargeable** battery-powered lighting units designed to meet high-lumen floodlighting requirements in hazardous areas. Offered by **IST Safety Ltd**, the **official distributor of Wolf**, this series stands out for its ability to illuminate wide areas without the constraints of trailing cables.

While the WL-80 model features the classic and reliable Sealed Lead Acid (SLA) battery, the WL-85 model utilizes modern Lithium-Ion (Li-ion) technology, making it significantly lighter and offering extended runtimes of up to 24 hours. Certified for Zone 1/21, these floodlights feature an impact-resistant polymer body and an IP67 ingress protection rating, making them the most reliable portable solution for heavy industrial maintenance, inspections, and tank cleaning operations.

The Worklite™ is a rechargeable, high-output LED floodlight with ATEX, IECEx, and UKEX certifications. It is designed for harsh, remote environments, providing long-lasting light. It is CE marked for safe use in explosive gas, vapour, mist, and dust atmospheres in Zones 1, 2, 21, and 22, with a T4 temperature class.

### Usage Areas

- **Oil & Gas:** Internal cleaning, inspection, and maintenance of large storage tanks in refineries.
- **Chemical Industry:** Temporary illumination of reactors, silos, and hazardous material storage areas.
- **Marine:** Technical operations in ship holds, ballast tanks, and oil tankers.
- **Industrial Maintenance:** Wide-area lighting during shutdowns in power plants and manufacturing facilities.

### Certification

- ATEX, IECEx, and UKEX approved for Zone 1/21 explosive gas and dust atmospheres
- IP Rating: certified to both IP66 and IP67, making the Worklite™ dust tight and protected against powerful water jets and immersion up to 1 meter for 30 minutes.

- Complies with EN IEC 60079-0, EN IEC 60079-7, EN 60079-11, EN 60079-18 and IEC 60079-31
- EX II 2 GD Ex eb ib mb IIC T4  
Gb Ex tb IIIC T135°C Db

## Technical Specifications

- **Ambient Approved:** -20°C to +40°C
- **Light Output**

Up to 3,762 lumens at source

High power white LED with piercing spot beam and flood of lower-level fringe light

LED light source with 100,000+ hours life

- **Light Duration**

WL-80: 10 hours (full power) / 18 hours (half power)

WL-85: 21 hours (full power) / 40 hours (half power)

- **Features**

Toughened glass lens with easily replaceable lens guards

Robust and durable construction

Rechargeable high capacity battery with mains charger (100 to 254Vac) and state of charge indication

2 power levels (high/low) for user selection based on task

Tilt adjustment within frame for directing light

## 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

## TECHNICAL DETAILS

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**WL-80 / WL-85 ŞARJ EDİLEBİLİR BATARYALI PROJEKTÖR**  
**ATEX/IECEX LED WORKLITE™**

<b>PRODUCT REFERENCE</b>	WL-80	WL-85
<b>PRODUCT DESCRIPTION</b>	High Power Rechargeable Battery Worklite™ 18 LED	
<b>Code</b>	II 2 GD Ex e ib IIC T4 Gb Ex tb IIIC T135°C Db	
<b>Type of Protection</b>	'e' Increased Safety, 'ib' Intrinsic Safety, 'mb' Encapsulation, tb Enclosure Protection	
<b>Area of Classification (Gas)</b>	Zones 1 and 2, Gas Groups IIA, IIB, IIC	
<b>Temp. Classification (Gas)</b>	T4	
<b>Area of Classification (Dust)</b>	Zones 21 and 22, Dust Groups IIIA, IIIB, IIIC	
<b>Max Surface Temp. (Dust)</b>	T135°C	
<b>Ambient Temperature</b>	-20°C to +40°C	
<b>Certificate</b>	CML 18ATEX3373X, IECEx CML 18.0199X, CML 21UKEX3646X	
<b>Enclosure</b>	Stainless Steel with Aluminium LED Lamp Head	
<b>Lens</b>	Toughened Glass Lens Supplied with 3 Anti-static Lens Guards	
<b>Beam Type</b>	Spot Beam with a Flood of Low Level Fringe Light	
<b>LIGHT SOURCE</b>	<b>TYPE</b>	High Power LED
	<b>POWER/OUTPUT</b>	18 x High Power LEDs / Up to 3100 lm at source
	<b>LIFE</b>	100,000hrs+ (Fitted for Life)

<b>Power Source</b>	<b>PART NO</b>	W-218	W-235
	<b>BATTERY TAPE</b>	Rechargeable Battery, Sealed Gel Lead Acid	
	<b>VOLTS</b>	12V	
	<b>CAPACITY</b>	18Ah	35Ah
	<b>LIFE</b>	Up to 500 Recharge Cycles	
<b>Low Battery Indicator</b>		Yes	
<b>Light Duration - High / Low</b>		Up to 15hrs / 22hrs	Up to 21hrs / 40hrs
<b>Ingress Protection</b>		IP66 and IP67* to IEC60529	
<b>Weight (Inc. battery)</b>		16.5kg	23kg
<b>Charger Input</b>		100 - 254 Vac	
<b>Recharge Time</b>		8hrs	12hrs
<p>* Being certified to both IP66 and IP67, the Worklite™ is "dust tight" and protects against powerful water jets and immersion up to 1 metre</p>			

## 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.



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