

Wolf® WL-50/WL-50HT ATEX/IECEX LED MINI WORKLITE™



The WL-50 Worklite is a lightweight, high-performance portable light, weighing just over 9 kg powerful illumination. It features a rugged, powder-coated die-cast aluminum construction, and is ATEX and IECEx certified for use in hazardous environments (Zones 1, 2, 21, and 22). The **WL-50** is designed for harsh industrial and offshore use, offering exceptional durability, flexibility, and safety in potentially explosive atmospheres.

Usage Areas

- **Oil & Gas:** Tank cleaning, inspections, and pipeline maintenance works in refineries.
- **Chemical Industry:** Illumination of reaction towers, silos, and hazardous material storage areas.
- **Marine:** Temporary works in ship holds, ballast tanks, and offshore platforms.
- **Emergency Response:** Portable light source for firefighting and search-and-rescue teams operating in explosive atmospheres.
- Robust aluminium construction
- Toughened glass lens with optional disposable lens guard
- 2 power levels
- Adjustable angle
- Rechargeable high-capacity battery, fully managed
- State of charge LED indicator
- Supplied with a mains charger (100-254Vac)
- Compatible with Wolf tripods and Magnetic Bracket kits
- Certified anti-static protection kits available

Certification

- **Safety Certified:** ATEX, IECEx certified for Zones 1 and 2 Hazardous Areas.
- **OP IS Compliant,** meeting operational integrity standards.
- **Dust Protection:** Zones 21 and 22 dust atmospheres, ensuring safety in hazardous environments.

- **IP Rating:** Certified to IP66 & IP67, dust-tight and protected against powerful water jets and immersion up to **1 meter**.
- 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 Temperature:**
WL-50: -20°C to +45°C
WL-50HT: -20°C to +50°C
- **Light Output:**
3,100 lumens at source, high-power white LED with piercing spot beam and flood of lower-level light.
- **LED Life:**
100,000+ hours of service life, "fitted for life."
- **Light Duration:**
Up to 5 hours on full power, up to 10 hours on half power.

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

WL-50/WL-50HT ATEX/IECEx LED MINI WORKLITE

PRODUCT REFERENCE		WL-50	WL-50HT
PRODUCT DESCRIPTION		High Power Rechargeable Battery Worklite™	
Code		II 2 GD Ex eb ib mb IIC T4 Gb Ex tb IIIC T135°C Db	
Type of Protection		'eb' Increased safety, 'ib' Intrinsic Safety, 'mb' Encapsulation, 'tb' Enclosure Protection	
Area of Classification (Gas)		Zones 1 and 2, Gas Groups IIA, IIB, IIC	
Temp. Classification (Gas)		T4	
Area of Classification (Dust)		Zones 21 and 22, Dust Groups IIIA, IIIB, IIIC	
Max Surface Temp. (Dust)		T135°C	
Ambient Temperature		-20°C to +45°C	-20°C to +50°C
Certificate		CML 18ATEX3373X IECEX CML 18.0199X	
Enclosure		Die Cast Aluminium	
Lens		Toughened Glass Lens	
Beam Type		Spot Beam with a Flood of Low Level Fringe Light	
LIGHT SOURCE	TYPE	High Power LED	
	POWER/OUTPUT	18 x High Power LEDs / Up to 3100 lm at source	
	LIFE	100,000hrs+ (Fitted for Life)	
Power Source	PART NO	W-3200	W-3200

BATTERY TAPE	Rechargeable Battery, Sealed Gel Lead Acid	
VOLTS	12V	
CAPACITY	10Ah	9Ah
LIFE	Up to 200 Recharge Cycles	
Low Battery Indicator	Yes	
Light Duration - High / Low	Up to 5hrs / 10hrs	Up to 4.5hrs / 9hrs
Ingress Protection	IP66 and IP67* to IEC60529	
Weight (inc. battery)	9.3kg	
Charger Input	100 - 254 Vac	
Recharge Time	8hrs	

* Being certified to both IP66 and IP67, the Worklite™ is "dust tight" and protects against powerful water jets and immersion up to 1 metre

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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