

Wolf® R-50 Rechargeable Safety Torches

Article Number: 08010453

The Wolf R-50 is a **next-generation** rechargeable flashlight that combines high light output and durability for professionals working in hazardous areas. Offered by **IST Safety Ltd**, the **official distributor of Wolf**, this model replaces older generations of rechargeable lamps with a technologically optimized design and extended service life.

The product holds the **I M2 (Mining)** certification for risky zones in underground mines, as well as approvals for industrial hazardous environments (Zone 1/21). While providing a lightweight build thanks to Lithium-ion battery technology, it offers maximum visual clarity in the darkest and most risky areas with its 243-lumen light output.

Usage Areas

- **Mining:** Underground mines, tunnel constructions, and firedamp risk areas.
- **Oil & Gas:** Refineries, storage facilities, and offshore platforms.
- **Chemical & Petrochemical:** Production lines involving flammable liquids and gases.
- **Industrial Plants:** Fire services, maintenance-repair works, and confined space entries

Certification & Compliance:

- Suitable for use in Zones 1, 2
- Gas Group: IIA, IIB, IIC
- Temperature Class: T4
- Complies with EN IEC 60079-0 and EN 60079-11 standards.
- EX I M2 / II 2GD

Ex ib I Mb / IIC T4 Gb (-20°C/-30°C/-40°C ≤ Ta ≤ +40°C)

Ex ib IIIB T200°C Db

Technical Specifications:

- **Light Source:** High-power LED



- **Light Source Output (Lumens):**High Power - Up to 300lm / Low Power - Up to 172lm
- **Brightness Duration:** High Power - Up to 3.5hrs / Low Power - Up to 6.5hrs
- **Body Material/Lens:** Impact Resistant Thermoplastic, Chemical Resistant, Static Dissipative / Toughened Glass 4mm
- **Power Source:** Rechargeable Battery, Lithium-Ion
- **Ingress Protection:**IP67
- **Weight (Inc. Cells):**0.375kg

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



LR Certificate

TECHNICAL DETAILS

Product Reference	R-50	R-55
Product Description	Rechargeable Right Angle Safety Torch	
	Zone 1 LED	Zone 0 LED
Code	I M2/II 2GD Ex ib I Mb/IIC T4 Gb (-40°C ≤ Ta ≤ +40°C)	I M1/II 1G2D Ex ia I Ma/IIC T4 Ga (-40°C ≤ Ta ≤ +40°C)
	Ex ib IIIB T200°C Db IP67	Ex ib IIIB T200°C Db IP67

Type of Protection		'ib' intrinsic safety	'ia' intrinsic safety
Area of Classification (Gas)		Zones 1 & 2	Zones 0, 1 & 2
		Gas Groups IIA, IIB and IIC	Gas Groups IIA, IIB and IIC
Temperature Class (Gas)		T4	
Area of Classification (Dust)		Zones 21 & 22	
		Dust Groups IIIA and IIIB	
Max. Surface Temp. (Dust)		T200°C	
Ambient Temperature		-40°C to +40°C	
Certificate		Baseefa05ATEX0069X / IECExBAS06.0001X / BAS21UKEX0438	
Enclosure		Impact Resistant Thermoplastic, Chemical Resistant, Static Dissipative	
Lens		Toughened Glass 4mm	
Beam Type		High Output Spot Beam	
Light Source:	Type	High Power LED	
	Watts	3 Watts	
	Output	High Power - Up to 300lm / Low Power - Up to 172lm	
	Life	25,000hrs+ (Fitted For Life)	
Power Source:	Part No.	R-271	
	Type	Rechargeable Battery, Lithium-Ion	

Volts	7.4V	
Capacity / Life	2.4Ah / Up to 500 Recharge Cycles	
Light Duration	High Power - Up to 3.5hrs / Low Power - Up to 6.5hrs	
Ingress Protection	IP67	
Weight (inc. cells)	0.375 Kg	
Chargers	12-24Vdc RC-200L / 90-264Vac RC-200H	
Recharge Time	3.0 hours (90% in 1.5 hours)	
Product Reference	R-50	R-55



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0312 384 13 00



info@ist.com.tr