

Фонари ручные взрывобезопасные WOLFLITE

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WOLFLITE® H-251MK2 HANDLAMP

The WolfliTE® H-251 MK2 is a rechargeable handlamp approved by Baseefa and suitable for use in hazardous Zones 1 and 2. Applications include the petrochemical and offshore industries, fire-fighting, gas and water distribution, wherever a potentially explosive atmosphere may occur.



Product Information

H-251MK2

ZONES: 1 AND 2

The H-251 MK2 is constructed in highly durable polypropylene co-polymer, designed to withstand the effects of heavy industrial use. The glass lens is scratch and scuff resistant and will not discolour when in contact with chemicals. The entire product has been 'drop' tested for damage and both the outer and inner components proved equally highly resilient. Many unique design features are incorporated in the H-251 MK2 including; an interlock mechanism preventing internal access when the lamp is in use, short circuit protection via a ceramic fuse and a magnetically operated, hermetically sealed Reed Switch to avoid open internal sparking. The rechargeable battery pack is made up of two sealed lead acid cells assembled into a robust casing. This battery pack has a recharge/discharge life of approximately 500 cycles.

The H-251 MK2, has charging contacts on the base of the lamp to enable battery charging 'in situ' using the lamp charger. The H-251 MK2 chargers are available for mains (120/230v) or low voltage (12-32v) input for use in vehicles. All chargers have LEDs which indicate state of charge, a rating plate on the charger explains the sequence of this. The H-251 MK2 conforms with the DOT Class I 'Safety Lamp' specification, Regulation 17 of the SOLAS protocol and has been issued with a Lloyds Register of Shipping Type Approval Certificate. The H-251 MK2 is supplied complete with battery pack, lock key and shoulder lanyard, together with maintenance instructions giving comprehensive details of spares available and guidance for installation.

Technical Information

Product Reference	H-251MK2
Product Description	Rechargeable Safety Handlamp, Battery Charged Internally
Code	EEx e s II T3
Type of Protection	"e" increased safety, "s" special protection
Area of Classification (Gas)	Zones 1 and 2, Gas Groups IIA, IIB, IIC

Product Reference		H-251MK2
Temp. Classification (Gas)		T3
Ambient Temperature		-20°C to +40°C
Certificate		BASEEFA Ex 81142
Enclosure		Polypropylene
Lens		Toughened Glass (6mm)
Beam Type		Spot
Light Source	Part Number	H-26P
	Type	Krypton Filled Filament Bulb
	Volts	3.6V
	Watts	3.6W
	Output	80lm (at 4.1V)
	Life	100hrs
Power Source	Part Number	H-16E
	Type	Rechargeable Battery, Sealed Lead Acid
	Volts	4V
	Capacity	5Ah
	Life	Up to 500 Recharge Cycles

Product Reference	H-251MK2
Light Duration	4-5hrs
Ingress Protection	IP54
Weight	1.5Kg (incl. battery)
Compatible Charger	C-251 HV or C-251 LV

- All information has been gathered under laboratory conditions, the user must regard the values given as approximate.
- Changes may be made to the above specification without notification, details are available on request.

WOLFLITE® H-251ALED RECHARGEABLE HANDLAMP

The WolfliTE® H-251ALED rechargeable LED safety handlamp has been CE marked in compliance with the 2014/34/ EU explosive atmospheres ATEX directive and UKCA marked in compliance with UKSI 2016/1107 UKEX Statutory Instrument, for use in a wide range of potentially explosive gases, vapours, mists and dusts.



Product Information

H-251ALED

ZONES: 1, 2, 21 AND 22

Updated in December 2021, the H-251ALED ATEX Zone 1 rechargeable handlamp emits up to 210 lumens (at source) from its powerful new long-life LED light source.

Extremely robust and reliable, it is ideal for use in harsh, hazardous area environments. The scratch and impact resistant lens is made from 6mm toughened glass, and the body and lens ring are moulded in highly resilient thermoplastic material to withstand the drops and impacts expected from heavy industrial use – even at sub-zero temperatures.

The electrostatic non-hazardous body material ensures there is no risk of a dangerous build-up of static charges. The enclosure is sealed to IP66, preventing the ingress of dust and protecting against powerful water jets.

The latest updates to the WolfliTE H-251ALED Rechargeable Handlamp, using the latest state-of-the art high powered LED light sources, have enabled an unprecedented increase in performance with light output almost doubling - increasing from 107 lumens to 210 lumens (at source)!

The highly reliable sealed lead acid battery pack is enhanced with electronic control and protection, and is rendered intrinsically safe by the use of a fast switching short-circuit protection circuit. A low voltage cut-off feature automatically switches the lamp off when all useful battery capacity has been used, protecting the battery from deep discharge damage.

An emergency illumination function illuminates the handlamp if power to the charger is cut.

Features & Benefits

LIGHT OUTPUT/DURATION/POWER

- New long life LED light source with 210 lumens measured at source
- 18 hrs battery life from a single charge

CERTIFICATION

- Certified for ATEX, IECEx & UKEX. Zones 1, 2, 21 and 22
- CE and UKCA marked
- -10°C to +40°C temperature ambient
- T4 temperature class
- IP66 ingress protection

FEATURES

- LED light source gives increased light output and battery duration
- Emergency illumination function illuminates the handlamp if power to the charger fails, highlighting the escape route
- Deep discharge protection protects the battery for permanent damage
- Robust anti-static thermoplastic lamp enclosure
- For use with C-251HV/LV Chargers
- Suitable for cyclic and short term standby applications (for long term see Wolfli XT LED Rechargeable Handlamp and Rechargeable Torch)

Product Reference		H-251ALED
Product Description		Rechargeable Safety Handlamp
Code	ATEX, IECEx & UKEX	II 2GD Ex ib IIC T4 Gb (-10°C ≤ Ta ≤ +40°C) Ex ib IIIB T170°C Db* * The revised product approval code confirms compliance to IIIB nonconductive dusts and has a T170°C dust temperature.
Type of Protection		"ib" intrinsic safety
Area of Classification (Gases)		Zones 1 and 2 Gas Groups IIA, IIB, IIC

Temp. Classification (Gases)		T4
Area of Classification (Dust)		Zones 21 and 22 Dust Groups IIIA, IIIB
Max. Surface Temperature (Dust)		170°C
Ambient Temperature		-10°C to +40°C
Certificates	ATEX	BAS00ATEX2176
	UKEX	BAS21UKEX0359
	IECEX	BAS 16.0076
Enclosure / Lens		Thermoplastic, Anti-Static / Toughened Glass (6mm)
Beam Type		Spot with Fringe Light
Light Source:	Part Number	H-88
	Type	High Power LED
	Watts	1.2W
	Output	210lm
	Life	25,000hrs
Power Source:	Part Number	H-66
	Type	Rechargeable Battery, Sealed Lead Acid
	Volts	4V

	Capacity	5Ah
	Life	Up to 500 recharge cycles
Light Duration		Up to 18 hrs
Ingress Protection		IP66
Weight		1.84Kg (incl. battery)

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WOLFLITE® XT RECHARGEABLE LED HANDLAMP

The WolfliTE® XT Rechargeable Handlamp uses the latest and most advanced technology to deliver excellent performance, robustness, reliability and versatility in the harshest environments and is CE marked to the ATEX directive and IECEx certified, for safe use in Zones 1 and 2 potentially explosive gas and Zones 21 and 22 dust atmospheres. A Zone 0 version is available.



Product Information

XT-50, XT-70, XT-70MOD, XT-9X, XT-75
ZONES: 0, 1, 2, 21 AND 22

The XT Rechargeable LED Handlamp is available in a number of different models to optimise performance in specific applications. Bespoke optics and the highest performing ‘fitted for life’ LED light sources deliver outstanding light output from the high intensity spot beam; ideal for tasks requiring a higher light intensity. A wide-angle flood option is also available, for tasks with less extensive light requirement. Additional coloured LED signals can also be added. All products of the XT range have easy, single-handed switching even with gloved hands allowing for straightforward function selection.

Battery duration varies by model, from 4 hours of high output light (XT-50) to 11 hours (XT-90); selecting powersave doubles this duration. State of battery charge is indicated with a bar of high intensity red LEDs, which go out as battery charge diminishes and the beam flashes off repeatedly when recharging is required. Use of the latest lithium-ion battery technology improves reliability and eliminates ‘memory’ affect and the ‘quick’ charger base fully recharges the Handlamp in a minimum of 2 hours, dependent on model, and is configured as a holder with ‘snap-in/snatch-out’ function, for quick release but secure retention. Emergency illumination function illuminates Handlamp if power to the charger fails.

The compact and lightweight high strength body has proven impact resistance even at sub zero temperatures; enhanced by rubber armoured lens ring, and handle/sides give improved grip and shock protection. The lens is resistant to scratches and chemical attack; the enclosure is electrostatic nonhazardous and certified to IP67.

IMPA Codes

33 06 12 - XT-50 Standard

33 06 13 - XT-70 Performance

33 06 14 - XT-200H

NSN Codes

6230-99-4473141 - XT-70MOD

Product Reference		XT-50	XT-70	XT-9X*	XT-75
Product Description		Rechargeable Safety Handlamp			
Code(ATEX & IECEx)	Industrial	I M2/II 2GD Ex ib I Mb/IIC T4 Gb IP67 Ex ib IIIB T185°C Db (Temperature ambient – 30°C to +40°C)			I M1/II 1G Ex ia I Ma/IIC T4 Ga IP67 II 2D Ex ib IIIB T185°C Db (Temperature ambient – 30°C to +40°C)
	Mining	I M2 Ex ib I Mb IP67			I M1 Ex ia I Ma IP67
Type of Protection		“ib” intrinsic safety			“ia” intrinsic safety
Area of Classification (Gas)		Zones 1 and 2 Gas Groups IIA, IIB & IIC			Zones 0, 1 and 2 Gas groups IIA, IIB & IIC
Temp. Classification (Gas)		T4			
Area of Classification (Dust)		Zones 21 and 22 Dust Groups IIIA and IIIB			

Product Reference		XT-50	XT-70	XT-9X*	XT-75
Max. Surface Temperature (Dust)		185°C			
Certificate		ATEX Baseefa09 ATEX0326X IECEx BAS 09.0153X			
Enclosure		Impact resistant thermoplastic, electrostatic non-hazardous			
Lens		Toughened glass			
Beam Type		Spot	Spot/Flood	Spot/Flood/Signal	Spot/Flood
Light Source:	Type	High Power LED			
	Quantity	1 x White	2 x White	2 x White,2 x Coloured	2 x White
	Output	430 lm (White)			
	Life	25,000+ hrs			
Power Source:	Type	Rechargeable battery, Lithium-Ion			
	Part No.	XT-202	XT-204	XT-206	XT-204
	Life	Up to 500 recharge cycles			
Light Duration		Up to 4.0 / 8.0hrs	Up to 7.5 / 15.0hrs	Up to 11.0 / 22.0hrs	Up to 7.5 / 15.0hrs

Product Reference	XT-50	XT-70	XT-9X*	XT-75
Ingress Protection	IP67 to EN60529: 1992			
Weight	1.2Kg			
Compatible Charger	XT-200L 12-24Vdc / XT-200H 90V-254Vac			
Recharge Time	2.0 hrs	3.5 hrs	4.5 hrs	3.5 hrs

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