

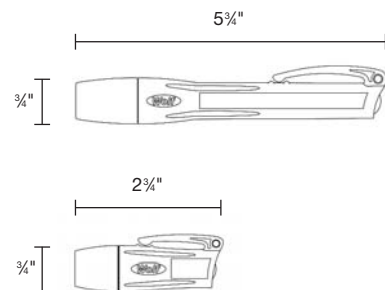
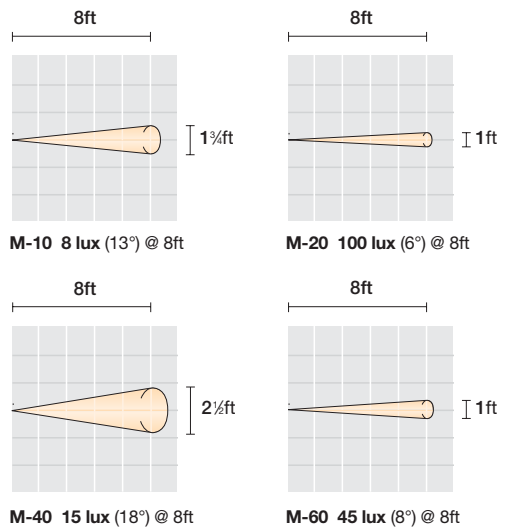


WOLF MINI AND MICRO FLASHLIGHTS

ATEX Directive
94/19/EC
Compliant



- ATEX Directive Compliant
- IECEx Scheme Certified
- T4/T5 temperature class
- Ultra small size
- Lightweight, ergonomic design
- Proven impact resistance
- Single handed switching
- Switch protection shroud
- Integral pen style pocket clip
- IP67 water and dust tight



IECEx

The Wolf range of Mini and Micro Flashlights, certified for use in potentially explosive atmospheres, use high-tech light sources to give impressive performance with a compact size. Designed for easy storage in a pocket, they are the perfect flashlight for any application where a small size is critical.

All four models are compliant with the 94/9/EC ATEX 'Explosive Atmospheres' Directive and certified to IECEx for use in potentially explosive gas, vapour or mist atmospheres, where a T4 or T5 temperature class permits. The three models with LED light sources; the M-10 Micro, the M-40 Mini and M-60 Mini are approved as Category 1 equipment for use in Zones 0, 1 and 2, whilst the

M-20 Xenon Mini is approved as Category 2 equipment for use in Zones 1 and 2.

The M-10 Micro has a single white 5mm 'Nichia' LED light source and is powered by four alkaline LR44 'button cells', giving an impressive beam with a two hour duration from a very compact size. The M-20 Mini uses a Xenon filament bulb powered by two 'AAA' cells, giving an excellent narrow beam of light with good range and up to 2.5 hours duration. The M-40 Mini has a cluster of three white 5mm 'Nichia' LEDs, and the M-60 Mini uses a single 1 watt Luxeon LED giving a remarkable light output; both products are powered by three alkaline LR1 'N' cells giving up to ten hours of usable light.

The Mini and Micro Flashlight Range have an ergonomic design and are constructed from high quality thermoplastic resin, with excellent impact and chemical resistance. The polycarbonate lens has been set-back within the lens ring to minimise risk of damage. All models have a lanyard hole, an integral pocket clip for secure retention and to prevent roll on a flat surface, and a push-button for single handed switching, which is shrouded to guard against accidental operation. Additionally all models are certified IP67, sealed against water and dust ingress.

Mini and Micro flashlights are supplied with cells, the M-10 Micro is supplied with a neck cord for added convenience.

Wolf Mini and Micro Flashlight Range							
Technical Specification							
Model	M-10		M-20		M-40	M-60	
Description	LED Micro Flashlight		Xenon Mini Flashlight		LED Mini Flashlight	1 watt LED Mini Flashlight	
Code	II 1 G Ex ia IIC T5 (Ta=50°C) IP67		II 2 G Ex ib IIC T4 IP67		II 1 G Ex ia IIC T4 (Ta=50°C) IP67		
Apparatus standards	EN60079-0, EN50020 / IEC60070-0, IEC60079-11						
Type of protection	"ia/ib" Intrinsic Safety						
Area of classification (Gases)	Zones 0, 1 & 2		Zones 1 & 2		Zones 0, 1 & 2		
Temp. classification (Gases)	T5				T4		
Ambient temperature	-4°F to +122°F		-4°F to +104°F		-4°F to +122°F		
Certificate	Baseefa06ATEX0084 IECEx BAS 06.0023						
Enclosure	Impact resistant thermoplastic, electrostatic non-hazardous						
Lens	Polycarbonate						
Beam type	Medium Spot		Narrow Spot		Medium Spot		
Light source:	Pt. no.	-		M-201	-		
	Type	1 x 1/4" LED White (Nichia)		Xenon filled filament bulb	3 x 1/4" LED White (Nichia)		
	Rating	-		2.3V 0.3A	-		
	Output	18 cd		15 lm	3 x 18 cd		
	Life	25,000 hrs		30 hrs	25,000 hours		
Power source:	Pt. no.	M-102 (4 pack)		M-202 (2 pack)		M-402 (3 pack)	
	Type	LR44 primary cells to IEC60086		'AAA' primary cells to IEC60086		LR1 primary cells to IEC60086	
	Volts	4 x 1.5V		2 x 1.5V		3 x 1.5V	
Light duration	up to 2 hrs		up to 2.3 hrs		up to 10 hrs		
Ingress protection	IP67 to EN60529:1992						
Weight (incl. cells)	1oz		2oz				

Note: All information has been gathered under laboratory conditions, the user must regard the values given as approximate. The Company reserves the right to alter product specifications without prior notice.

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