



## Wolf M-60 Mini Safety Torches

**Product Code: 08011400**

Suitable for use in Zones 0,1& 2 , T4 temperature range.

1×1 watt white LED type source provides illumination up to 10 hours.



Polycarbonate lens, impact-resistant thermoplastic, electrostatic structure.

Operates with 3 pcs LR-1 type batteries.

Weight is appr. 60 grams.

EN 60529:1992 standard IP 67 water and dust protection.

EX II 1 GD Ex ia IIC T4 IP67 ATEX certificate.

### Teknik Bilgiler

Product Reference	M-10	M-20	M-40	M-60
Product Description	LED Micro Torch	Xenon Mini Torch	LED Mini Torch	1W LED Mini Torch

<b>Code</b>	<b>Industrial</b>	I M1/II 1GD Ex ia I Ma/IIC T5 Ga	I M2/II 2G Ex ib I Mb/IIC T4 Gb  (-40°C ≤Ta≤ +40°C)	I M1/II 1GD Ex ia op is I Ma/IIC T4 Ga  (-40°C ≤Ta≤ +50°C)	I M1/II 1GD Ex ia op is I Ma/IIC T4 Ga  (-40°C ≤Ta≤ +50°C)
	<b>Gas</b>	(-40°C ≤Ta≤ +50°C)			
	<b>Dust</b>	Ex ia IIIB T95°C Da IP67	N/A	Ex ia op is IIIB T125°C Da IP67	Ex ia op is IIIB T130°C Da IP67
	<b>Mining</b>	I M1 Ex ia I Ma IP67	I M2 Ex ib I Mb IP67	I M1 Ex ia I Ma IP67	I M1 Ex ia op is I Ma IP67
<b>Type of Protection</b>		ia	ib	ia	
<b>Area of Class (Gas)</b>		Zones 0, 1 & 2,  Gas Group IIC	Zones 1 & 2,  Gas Group IIC	Zones 0, 1 & 2,  Gas Group IIC	
<b>Temp. Class (Gas)</b>		T5	T4		
<b>Ambient Temp.</b>		-40°C to + 50°C	-40°C to + 40°C	-40°C to + 50°C	
<b>Area of Class (Dust)</b>		Zone 20, 21 & 22,  Dust Group IIIB		Zone 20, 21 & 22,  Dust Group IIIB	

<b>Max Surface Temp. (Dust)</b>		95°C		125°C	130°C
<b>Certification</b>		Baseefa06ATEX0084X - IECEx BAS 06.0023X			
<b>Enclosure</b>		Impact Resistant Thermoplastic			
<b>Lens</b>		Polycarbonate			
<b>Beam Type</b>		Medium Spot	Narrow Spot	Medium Spot	
<b>Light Source</b>	<b>Part No.</b>	-	M-201	-	-
	<b>Type</b>	1x5mm LED White (Nichia)	Xenon Filled Filament Bulb	3 x 5mm LED White (Nichia)	1 x High Power Cree LED
	<b>Rating</b>	-	2.3V 0.3A	-	1 Watt
	<b>Output</b>	30 cd	15 lm	3 x 30 cd	Up to 107 lm
	<b>Life</b>	25,000 hrs	30 hrs	25,000 hrs	
<b>Power Source</b>	<b>Part No.</b>	M-102 (4 pack)	M-202 (2 pack)	M-402 (3 pack)	
	<b>Type</b>	LR44 Primary Cells to IEC60086	LR03 Primary Cells to IEC60086	LR1 Primary Cells to IEC60086	
	<b>Volts</b>	4 x 1.5V	2 x 1.5V	3 x 1.5V	
<b>Light Duration</b>		Up to 2 hrs	Up to 2.3 hrs	Up to 10 hrs	1.5-3.5 hrs*
<b>Ingress Protection</b>		IP67 to EN60529:1992			

Weight (incl. cells)	25g	60g
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