

# FACTOR

## MIZPAH 160 USER MANUAL

### SPECIFICATIONS:

**Performance:** Maximum output of 160 lumens. Maximum runtime of 80 hours. Three brightness levels, plus Strobe. When using a rechargeable 14500 Li-ion battery, The Mizpah 160 offers an additional Blast brightness level to 500 lumens.

**Size:** Length: 3.73" Diameter: 0.75"

**Weight:** 1.1 oz. (32.2g) excluding batteries

**Battery:** One AA battery (Alkaline, Ni-MH, or Lithium) or one 14500 battery (rechargeable Li-Ion battery)

**Includes:** Mizpah 160 flashlight, one AA battery, user manual, coated steel pocket clip, two spare o-rings

### FEATURES:

- Utilizes high performance CREE XP-G2 LED with a life of 50,000 hours
- Glass Lens with double-sided anti-reflective coating
- Body is corrosion resistant, military-grade, CNC machined, aircraft-quality Type III hard anodized aluminum alloy
- Removable coated steel pocket clip
- Waterproof to IPX-8 standard, 2 meters for 30 minutes
- Rubber tail-switch operation; turns light on/off and switches modes
- Recall memory function allows the light to turn on in the last mode used
- Digitally regulated output maintains constant brightness

### OUTPUT & RUNTIMES:

1. Stated performance has been measured according to the international flashlight ANSI/NEMA testing standards. The performance may vary due to different batteries and different environment conditions.
2. When in Blast mode for extended periods of time, the light will automatically power down to 80% of Blast output. This feature is designed to protect and reduce heat in the flashlight.
3. This light will operate as advertised on alkaline batteries. However, for optimum performance we recommend using Ni-MH or non-rechargeable Lithium. When using a rechargeable 14500 Li-ion battery, the Mizpah 160 will also offer the Blast brightness level at 500 lumens.

ANSI/FSC	Low	Medium	High	Blast*
OUTPUT LUMENS	6	50	160	500*
RUNTIME	80h	12h	1h	30min
DISTANCE	148ft. (45m)			
MAXIMUM INTENSITY	500cd (max)			
IMPACT RESISTANCE	1m			
WATERPROOF	IPX-8, underwater 2m			

\*Blast only available with the 14500 Li-ion battery.

## **OPERATION:**

### **Battery Installation**

Loosen and remove head of flashlight and insert the one included AA battery.

1. Insert battery into the flashlight with positive (+) towards the head of the flashlight.
2. The flashlight will not light up if the battery's end is reversed.

### **On/Off**

- Fully press the tail switch to turn the light ON/OFF.
- There is no momentary on function.

### **Mode Selecting**

- With the flashlight on, half press the tail switch to cycle through different brightness levels from Blast (only when using one rechargeable 14500 battery)→High→Mid→Low→Strobe.

### **Recall Memory Function**

The Mizpah 160 memorizes the last mode (including Strobe) used before turning it off. The next time the light is turned on, it will access the last mode used.

### **Store and Maintenance**

- To store or pack your flashlight, simply loosen the flashlight head a half turn to avoid accidental turn-on and possible battery leakage.
- See flashlight care instructions on [www.factor-equipment.com](http://www.factor-equipment.com)

## **THE FACTOR OATH**

All Factor employees pledge to support you to the point of satisfaction on all its products. We are committed to making sure our products are functioning as advertised, and all your inquiries are addressed.

## **WARRANTY**

Factor provides a Limited Lifetime Warranty on all its products against defects in materials or workmanship.

### **Unwarrantable**

1. Damage, destruction, disassembly and unauthorized intentional modifications
2. Damage due to improper storage or battery leakage.

## **SERVICE**

1. Contact us by email at [support@factorequipment.com](mailto:support@factorequipment.com) or go to [www.factorequipment.com/contact-support/](http://www.factorequipment.com/contact-support/)
2. Any product update information will be displayed on [www.factorequipment.com](http://www.factorequipment.com). Factor Equipment reserves the right to update its products and communicate these updates via the website.

## **BATTERY SPECIFICATIONS**

Type of Battery	Description	Voltage	Recommendation
Ni-MH Battery	AA	1.2V	Recommended
Lithium Battery (non-rechargeable)	AA	1.5V	Recommended
Alkaline Battery	AA	1.5V	Recommended
Li-ion Rechargeable Battery	14500	3.7V	Recommended. Only purchase high quality protected 14500.

## **WARNING:**

Please avoid shining this light directly into anyone's eyes. This is a high-intensity lighting device, capable of causing damage to eyes.