



## **The mPower Emergency Illuminator™ Frequently Asked Questions**

### **What sets the mPower Emergency Illuminator™ apart from other flashlights?**

The mPower Emergency Illuminator employs Power On Command™, for reserve power when you need it – even after sitting unused for as long as 20 years. The illuminator also contains a USB port (Type A), for charging a cell phone or other portable electronic devices.

### **How was Porsche Design Studio involved with the development of the mPower Emergency Illuminator?**

International engineering powerhouse Porsche Design Studio, in Zell am See, Austria, designed the illuminator. The designers worked closely with the mPower team to incorporate the proprietary reserve battery technology into a highly functional product that stays true to the sleek design for which the studio is known.

### **How does Power on Command™ work?**

The illuminator uses a dual- battery chamber system. For everyday use, the device uses two standard CR123-style, 3-volt lithium batteries – available in countless retail stores worldwide, in one chamber. If those batteries are weak or dead, the user can call for Power On Command™ by activating the mPower lithium reserve cell in the other chamber.

### **How is the reserve battery activated?**

The battery is simply removed from its designated chamber in the illuminator, a small knob on the end of the battery is twisted, an audible snap is heard, and the battery becomes active. After the battery is placed back in the tube, the light and USB charger will function just as with the standard CR123 batteries.

### **How long will the reserve battery provide power for the lamp and the USB port?**

The reserve battery will provide approximately two hours of continuous light and enough power to make emergency phone calls through the USB port.

### **Can the CR123 primary batteries also be used to power the USB port? If so, how long will the primary batteries power the lamp and USB port?**

The primary CR123 batteries can be used for both the LED lamp and the USB port.

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The life of the battery when being used for the USB port will vary depending on the device being charged. However, at full power, the CR123 batteries connected in series pack a “wallop” which provides 3.2aH of charging capability – clearly sufficient for most portable devices, like Blackberry’s and iPhones. The CR123 batteries, when at full power, will provide at least four hours of high-intensity LED light.

### **What is the technology behind the reserve battery?**

The lithium reserve battery features a separator inside the cell which keeps the liquid electrolyte away from the battery’s solid electrodes. When the knob on the end of the reserve battery is twisted, the seal is broken, allowing the liquid electrolyte to interact with the solid electrode – creating instant power.

### **How does the user select whether the LED lamp is illuminated or the USB port is powered?**

A simple twist of the lens bezel will switch the illuminator between lamp and USB mode. A color-coded OFF/LED/USB indicator light will glow green in LED lamp mode, blue in USB mode.

### **Once the power is discharged from the mPower Lithium Reserve Battery, are replacement batteries available?**

Yes – replacement reserve batteries will be available from mPower Technologies for approximately \$30.

### **What kind of bulb is used in the mPower Emergency Illuminator?**

The illuminator incorporates a state-of-the-art, high-intensity Cree XR-E Q5 LED that delivers 180 lumens of white light at 700 mA current. The beam intensity and focus is fixed to provide optimum lighting for emergency applications.

### **When will the mPower Emergency Illuminator become available for purchase, and what will be the price?**

The illuminator will be available for sale worldwide exclusively via the mPower Technologies website ([www.mpowertech.com](http://www.mpowertech.com)) in March 2010. Retail pricing will be in the range of \$250-\$300.

### **When will the mPower website go live?**

The mPower website and online store will go live in January 2010. Preorders will be accepted.

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## **Will the mPower Emergency Illuminator be sold outside of the United States?**

The illuminator will be available internationally via the mPower website.

## **Is the mPower Emergency Illuminator CE certified?**

The illuminator will be tested for CE compliance.

## **Is the mPower Emergency Illuminator available in more than one color or finish?**

The illuminator is available in two finishes – Black Chrome and Titanium Satin

## **Is the mPower Emergency Illuminator waterproof or water-resistant?**

The illuminator is water-resistant and designed for minimal risk of corrosion.

## **Are there any accessories available for the mPower Emergency Illuminator?**

mPower offers an optional Glove Box Bracket for the illuminator. The bracket, which is easily installed, keeps the illuminator within easy reach for any driver.

## **What is the warranty on the mPower Emergency Illuminator?**

mPower warrants this product to be free from defects in workmanship and materials for a period of 3 years from the date of purchase with proof of purchase. At our discretion, we will repair, replace, or refund your original purchase price if we find the product to be defective. Damage resulting from improper use, abuse, neglect, or alteration from its original state is not covered.

## **Where is the mPower Emergency Illuminator manufactured?**

The illuminator is manufactured in Austria, and the lithium reserve battery is manufactured in the USA.

## **From what materials is the mPower Emergency Illuminator constructed?**

The body is extruded aluminum; most other metal parts are machined aluminum.

## **What are the product specifications?**

Size:	L 5.51" x W 1.92" x H 1.46" (L 140 mm x W 49 mm x H 37 mm)
Weight:	7.9 oz., including batteries (244 grams, including batteries)
Primary Batteries:	2 CR123 batteries
Reserve Battery:	1 mPower on Command Reserve Battery
USB connection:	Type A

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## **What can we expect from mPower in the future?**

mPower has several other products based on reserve batteries in development. Product details will be announced in 2010.

## **Who is mPower?**

mPower Technologies, Inc., developer of the mPower Emergency Illuminator, is the consumer products division of mPhase Technologies, Inc. (OTC BB: XDSL). mPhase is a leader in the field of nanotechnology, particularly as applied to reserve power sources.

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