ANSI FL 1 FLASHLIGHT PERFORMANCE STANDARDS

We proudly participate in the ANSI FL 1 flashlight performance standards for measuring and stating performance claims for all portable lights. This includes brightness (lumens), distance, run time, water resistance and impact resistance. FL 1 provides the only reliable apples-to-apples comparison between models and is used by most major manufacturers. Charging times are approximate for most AC power sources. Charging times from other power sources may be significantly longer. On lights with multiple settings, the lumens, battery life and distances are stated at the highest setting (100% power), unless otherwise indicated. Weights are measured as carrying weight, including battery.



MAXIMUM DISTANCE

Maximum distance is calculated as the distance from the light source to where it decreases in brightness to 0.25 lux — about the brightness of the full moon on a clear night.



LUMENS = BRIGHTNESS

The output of a traditional 2D cell flashlight is approximately 15 - 20 lumens. The latest LED flashlights can have an output of more than 2000 lumens.



WATER RESISTANCE

Water resistance (FL 1 Standard IPX4) is tested by spraying water onto the light from multiple directions. This simulates a heavy, all-day rain.



WATERPROOF AND SUBMERSIBLE

Waterproof and submersible (FL 1 Standard IPX7) assures water cannot get inside the light. This test is conducted for 30 minutes at a water depth of 1 meter (about 39").



BATTERY LIFE

Battery life (run time) is defined as the time elapsed from when the batteries are new to when the light reaches 10% of the original brightness.



IMPACT RESISTANCE

Impact resistance (FL 1 Standard 1m) measures how well the light resists damage when dropped repeatedly onto concrete from a height of 1 meter (about 39").

SELECTING THE RIGHT BROWNING LIGHT.

USB CHARGE

The USB interface has become the modern standard for recharging portable electronic devices. That's why we have a complete line of USB compatible lights. Our newest lights have USB-C connectors for even faster charging.



POWER BANK

There is a USB "power out" feature built into many of our products to help keep USB lights and other electronic devices topped off and running at peak performance.



DUAL FUEL

Many of our USB charge lights are designed to run on standard AA, AAA or CR123A batteries or on USB rechargeable batteries.



MULTI-MODE OPERATION

Many of our lights offer a choice of easily selected continuous full output, continuous low output and a rapid strobe mode.



BATTERIES

We use the latest lithium-ion battery technology to help ensure that our lights have plenty of power when needed.

All of these batteries are designed to be easily recharged from a variety of power sources.



RED, GREEN AND BLUE LEDS

Many of our lights also offer multi-color LEDs for specialized tasks that help prevent spooking wary game animals, locating blood trails and preserving night vision.

