

# ANSI/NEMA FL1

**NEW STANDARDS HELP USERS  
COMPARE FLASHLIGHT PERFORMANCE.**



## **PEAK BEAM INTENSITY:**

*The maximum luminous intensity typically along the central axis of a cone of light. This measures the brightest part of the beam. The value is reported in candela.*



## **BEAM DISTANCE:**

*The distance from the device at which the light beam is 0.25 lux. Results are reported in meters.*



## **IMPACT RESISTANCE:**

*The degree to which a portable light resists damage when dropped on a solid surface. Dropped samples must not exhibit any cracks or breaks, and must remain fully functional in order to pass the Impact Resistance test.*



## **RUN TIME:**

*The duration of time from the initial light output value (that's 30 seconds after the light is turned on with fresh batteries) until the light output drops to 10% of the initial value.*



## **LIGHT OUTPUT:**

*A measurement of the total quantity of emitted overall light energy. The value is reported in lumens.*



## **WATER RESISTANCE:**

*There are three tests that measure water resistance: Resistance to Temporary Immersion in Water Resistance to Continuous Immersion in Water Resistance to Splashing Water*



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