

ANSI/PLATO 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