



# Intrinsically Safe Lighting

## Battery Operated Headlamps & Flashlights

- Safety Certified - Class I, Division I
- Battery Operated
- Lightweight & Durable
- LED Lighting



### Model # HL33-LED Specifications

Voltage	4.5V
Lumens	33
Battery Size	AAA
Battery Quantity	3
Light Modes	High / Low / Flashing
Weight	3.3oz
Length	2.25"



### Model # FL33-LED Specifications

Voltage	3V
Lumens	115
Battery Size	AA
Battery Quantity	2
Light Modes	High
Weight	4.6oz
Length	6.22"

## Intrinsically Safe Lights Compared To Explosion Proof Lights



### Defining Intrinsically Safe Lighting

Designed to eliminate the chance of creating an electrical spark by limiting the energy, electrical and thermal, available for ignition. The low voltage and components prevent short circuits and overcharging. Intrinsically safe lights are not explosion proof but don't yield the amount of energy to create an ignition source.



### Defining Explosion Proof Lighting

Designed to contain any explosion originating within the housing and prevent sparks within the housing from igniting vapors, gases, dust or fibers in the air surrounding it. The material used to construct these lights is a non-sparking alloy. These are heavy duty lights with a high lumen output. Safety measures includes short circuit protection, cord protection, and a metal lens guard.