

## Protecting Workers From Atmospheric Explosions When Using Portable Lighting Equipment

Workers should follow these precautions:

- Read and follow manufacturers' recommendations for product use
- DO NOT MIX batteries of different brands
- DO NOT MIX old and new batteries
- DO NOT MIX alkaline with non-alkaline batteries
- DO NOT USE damaged batteries
- Observe proper polarity when installing batteries



PRIOR TO THEIR USE IN FLAMMABLE ATMOSPHERES, inspect approved battery-powered flashlights to ensure that the batteries are in good condition and that the proper batteries are installed correctly. Opening the battery compartment should allow any accumulated H<sub>2</sub> to dissipate. DO NOT inspect the flashlight in a hazardous area or near an open flame.

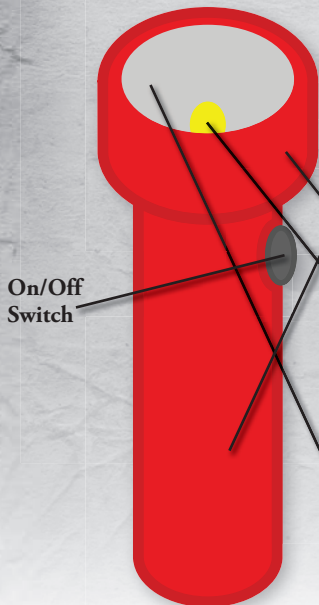
### OSHA Regulations and Use of Portable Lighting

*1918.92(d)(1)* – Portable lights shall be equipped with substantial reflectors and guards to prevent materials from coming into contact with the bulb.

*1918.92(e)* – Entry into darkened areas. Employees shall not be permitted to enter dark holds, compartments, decks or other spaces without a flashlight or other portable light. The use of matches or open flames is prohibited.

Source: Visit [www.osha.gov](http://www.osha.gov)

**Choosing the right flashlight can be a challenging task. Here are some terms related to portable lighting to consider when identifying the right lighting tool:**



**BATTERY:**

A storage unit for electrical energy available in a wide variety of designs; Alkaline, Nickel- Metal Hydride (NiMH), Nickel-Cadmium rechargeable (NiCad). Wet or Dry cell configurations.

**BEZEL:**

Front part of light that often includes lens, reflector, and/or bulb.

**INCANDESCENT:**

A bulb which uses a thin filament with electrical current passing through it.

**LED:**

Light Emitting Diodes. Durable and long-lived. Up to 100,000 hours run-time. Soft focus, short range. Less power than incandescent but can give 100's of hours of run-time at low illumination levels.

**LUMEN:**

A measurement of the entire output of the bulb. Focus is not considered.

**REFLECTOR:**

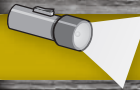
Surrounds the bulb and focuses and directs the beam.

**RUN-TIME:**

How long the batteries will last.

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### DORCY® 12" Signal Wand Light

Powered by (6) LEDs, this compact signal wand light uses a fluorescent-coated diffuser to enhance red light output. Provides up to 400 hours of use with (2) D alkaline batteries (not included).

ITEM #	DESCRIPTION	UOM
41-1061	12" Red signal wand light	Ea



### DORCY® 12" Multi-Function 14 LED Safety Wand

Lightweight, durable, weatherproof wand light provides excellent day and night visibility. Features (9) LEDs located in wand tip and (5) LEDs located in wand area. Offers 3-light function including flash mode, constant mode and LED flashlight tip. Includes hand strap lanyard. Ideal for traffic control, parking guides, security, construction sites and more. Operates on (3) C batteries (not included).

ITEM #	DESCRIPTION	UOM
41-1063	Safety wand	Ea

### DORCY® LED Headlamp

This 45-lumen headlight features an intense beam of light that projects an output of 100'. Headlamp features a side-mounted push button and adjustable elastic head strap. Includes (3) AAA Energizer® alkaline batteries.



ITEM #	DESCRIPTION	UOM
41-2101	LED headlamp	Ea

### DORCY® LED Flashlight with Battery Indicator

This 45-lumen flashlight features an intense beam of light that projects an output of 100'. Waterproof, chemical- and grease-resistant. Contains a built-in battery indicator with (3) power indication levels. Durable flashlight includes high-power LED and (4) AA Energizer® alkaline batteries.



ITEM #	DESCRIPTION	UOM
41-2492	LED flashlight w/ battery indicator	Ea



DPGA-3D

### DeWALT® Aluminum LED Flashlights

Features include a tempered glass lens to resist scratches, premium XLamp® LED bulb for a consistently bright beam and extended battery life, regulated electronic circuitry for maximum light output, rubber o-ring seal to resist moisture, and anodized aluminum grip pattern for no-slip grip. Hexagon head ensures no-roll design, and textured aluminum reflector produces a simultaneous flood and spot beam with no adjustment needed.

ITEM #	DESCRIPTION	UOM
DPGA-3D	DeWALT 3D, side switch, 131 lumens	Ea
DPGA-3C	DeWALT 3C, side switch, 141 lumens, wrist lanyard	Ea
DPGA-3AAA	DeWALT 3AAA, side switch, 80 lumens, wrist lanyard	Ea
DPGA-2AA	DeWALT 2AA, side switch, 77 lumens, wrist lanyard	Ea
DPGA-1AA	DeWALT 1AA, side switch, 57 lumens, wrist lanyard	Ea
DPGA-1AAT	DeWALT 1AA, tail switch, 66 lumens, belt clip	Ea



### DORCY® LED Spotlight with Batteries

This 120-lumen spotlight features a high-powered K2 Luxeon® LED solid state diode, pivoting head swivel neck and projects a spot beam over 100 yards. High-quality aluminum housings, rubber-booted push button switch and O-ring seals to protect from dust and moisture. Includes (4) C Energizer® batteries.



ITEM #	DESCRIPTION	UOM
41-4296	LED spotlight w/ batteries	Ea



### Wobblelight® Work Lights

Bright, highly durable work light takes a beating from workers, vehicles, debris and drops with no bulb breakage. Unlike traditional quartz-halogen utility tripod work lights that can tip over, Wobblelight has a self-righting base providing stable lighting. Internal ventilation system keeps light cool to the touch. Convenient inlet and outlet allows several lights to be strung together. Operates on 120 V. 36" H.



WL175MH

ITEM #	DESCRIPTION	UOM
WL175MH	Wobblelight 175 W metal halide	Ea
WL400MH	Wobblelight 400 W metal halide	Ea
WL500H	Wobblelight 500 W halogen	Ea