

DS-19



Anti-Explosion Penlight (For use in hazardous locations)

Pocket Pen Light. The slim and lightweight penlight is designed for easy hanging on pocket, tool bag and belt. An ideal light to carry on and always be ready to light up your way, whenever you need.

Color available in yellow, orange & black.



Accessories Options

Technology



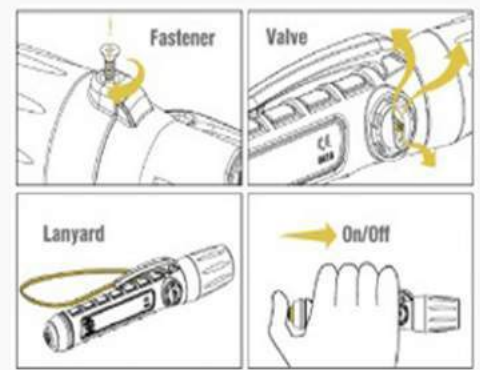
Features

- Safety penlight for use in Oil & Gas fields, Mine areas (meet ATEX M1 / M2 regulation), Ignitable Fiber area, Marine usage and other Hazardous locations.
- On / Off tail switch for easy operation.
- Clip design for easy hanging on pocket / belt / tool bag.
- Slim design for easy carry & holding.

Function

- Special Fastener:
Secures lamp cap preventing
- Push Button:
Allows users to operate func
- Lanyard:
- Non-slip handle.
- Valve:
Releases gas pressure in th

Gallery



DS-19 Product Function

Product Explosion

- Product Assembly :
- Remove the Lens cap and Lamp to install and remove batteries.



DS-19 Product Explosion

Product packaging

Product packaging:

A good package, including product details and warnings, can set off the value of the product and increase the desire to buy.

We use environmental friendly materials for our packaging and can provide customize design for individual customers.

Packaging size:80x198.5mm

Available models: DS-19 / DS-20



Gallery



FLASHLIGHT SAFETY STANDARDS



IECEX



RoHS



UL Certification

Underwriters' Laboratories Inc.(UL) is an independent, not-for-profit product-safety testing and certification organization. They have been testing products for public safety for more than a century. In order for a product to bear the certified UL Mark, it must pass all UL requirements at their testing facility.

CSA Certification

CSA Group offers you global solutions for product testing & certification that help streamline your access to markets in North America and around the world.

IECEX Certification

The IECEX System is a certification system which verifies compliance with IEC international standards relating to safety in hazardous areas. It covers equipment, service facilities and the competency of personnel.

ATEX Certification

The ATEX directive consists of two EU directives describing what equipment and work environment is allowed in an environment with an explosive atmosphere.

RoHS - Restriction of Hazardous Substances Directive

Restriction of the use of certain hazardous substances in electrical and electronic equipment regulations implement by EU directive.

CE - European Conformity

CE marking certifies that a product has met EU consumer safety, health or environmental requirements.

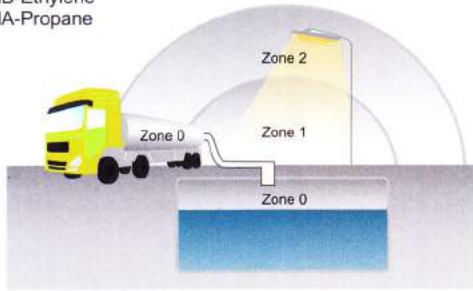
Division 1&2:

- A-Acetylene
- B-Hydrogen
- C-Ethylene
- D-Propane



Zone 0,1&2:

- IIC-Acetylene, Hydrogen
- IIC-Acetylene, Hydrogen
- IIB-Ethylene
- IIA-Propane



Class I Flammable Gases, Vapors or Liquids

US Classification

Division 1

Where ignitable concentrations of flammable gases, vapors or liquids can exist all of the time or some of the time under normal operating conditions

Division 2

Where ignitable concentrations of flammable gases, vapors or liquids are not likely to exist under normal operating conditions.

Europe Classification

Zone 0

Where ignitable concentrations of flammable gases, vapors or liquids are present continuously or for long periods of time under normal operating conditions.

Zone 2

Where ignitable concentrations of flammable gases, vapors or liquids are not likely to exist under normal operating conditions

Zone 1

Where ignitable concentrations of flammable gases, vapors or liquids are likely to exist under normal operating conditions.

Groups	
Division 1 & 2:	Zone 0, 1 & 2:
A – Acetylene	IIC – Acetylene, Hydrogen
B – Hydrogen	IIC – Acetylene, Hydrogen
C – Ethylene	IIB – Ethylene
D – Propane	IIA – Propane

Class II Combustible Dusts

US Classification

Division 1

Where ignitable concentrations of combustible dusts can exist all of the time or some of the time under normal operating conditions

Division 2

Where ignitable concentrations of combustible dusts are not likely to exist under normal operating conditions.

Europe Classification

Zone 20

Where combustible dusts or ignitable fibers and flyings are present continuously or for long periods of time in quantities sufficient to be hazardous.

Zone 22

Where combustible dust or ignitable fibers and flyings are not likely to occur under normal operation in quantities sufficient to be hazardous.

Zone 21

Where combustible dust or ignitable fibers and flyings are present continuously or for long periods of time in quantities sufficient to be hazardous.

Groups	
Division 1 & 2:	Zone 0, 1 & 2:
E – Metals – Div. 1 only	None
F – Coal	
G – Grain	

Class III Ignitable Fibers and Flyings

US Classification

Division 1

Where easily ignitable fibers or materials producing combustible flyings are handled, manufactured or used.

Division 2

Where easily ignitable fibers are stored or handled.

Europe Classification

Groups
None

Temperature Codes

US Classification		Europe Classification	
T1	< 450	T1	< 450
T2	< 300	T2	< 300
T2A	< 280		
T2B	< 260		
T2C	< 230		
T2D	< 215		
T3	< 200	T3	< 200
T3A	< 180		
T3B	< 165		
T3C	< 160		
T4	< 135		
T4A	< 120	T4	< 135
T5	< 100	T5	< 100
T6	< 85	T6	< 85

Information is obtain from Underwriters Laboratories Inc.