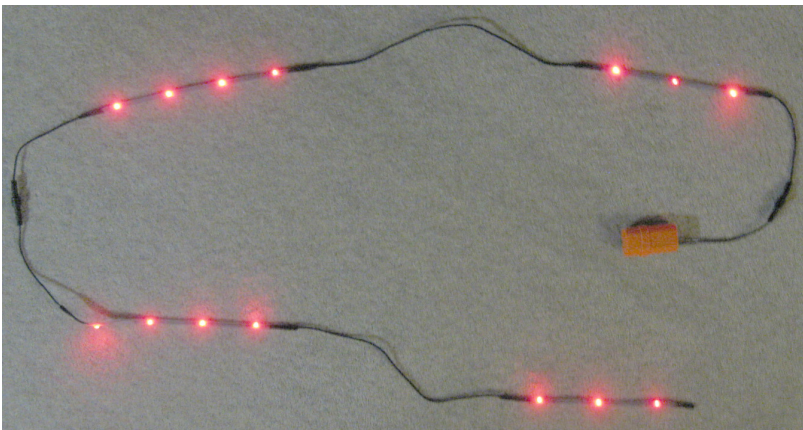


**Zone 0, 1, 2; Group I or IIA/IIB in Temp Class T3**

Roobuck Intrinsically Safe (I.S.) LED Strap is the world's first product in its kind. It can be used to highlight a person, an equipment or a place to increase visibility in a dark environment. A LED Strap consists of a Battery Box and a LED Strip.

Model RLS-ABR-Ex has a number of LED Bars powered by 2xAA alkaline batteries contained in a waterproof Battery Box. Its typical application is a high visibility (Hi-Vis) workwear. A Hi-Vis product can only reflect incoming light. If this LED Strap is attached to the Hi-Vis workwear, it will actively generate signal in even completely dark environment. It also can be used to make a simple wearable product such as LED belt, LED strap and LED harness.



LED Strap



Worn by a miner

This LED Strap is certified in IECEx as "Ex ia" for zone 0 applications in Group I for underground coal mines and Group IIB T3 for petrochemical environments.

## Operations

There are three Operating Modes generating different LED signaling. By toggling the operating button on the Battery Box, the LEDs go through Stable-On mode, Slow-Flashing mode and Fast-Flashing mode. It always starts up from the Stable-On mode when switched on.

The Battery Box can be opened by unscrewing the bolt on the Battery Box. To keep the IECEx certificate valid, you can only use following AA batteries:

- Energizer. Model: Max91
- Duracell. Model: Coppertop MN1500
- Varta. Model: High Energy 4106

## Applications

LED Strap, high visibility workwear, equipment protection and site warning.

## Specifications

Operating period: 40 hours in a flashing mode (default)  
Ingress protection: IP65

Alkaline battery size: AA  
Ambient temperature: -20°C ~ +40°C

## Certificate Information

Ex Marking: Ex ia I Ma IP65 or Ex ia IIB T3 Ga IP65  
Certificate #: IECEx TSA 15.0017