

# PRODUCT DATASHEET

# LED Headlight **Energizer**

**INTRINSICALLY SAFE** 

## MSHD31E



### INTRINSICALLY SAFE



- Division 1, Class 1 rated
- Approved by global agencies for intrinsically safe lights

### ECONOMICAL



- Useable light for 19 hours between battery changes with Energizer<sup>®</sup> MAX<sup>®</sup> batteries
- Lifetime LED never needs replacing

### DURABLE



- Survives 2-meter drop test
- Shatterproof lens


### WATER RESISTANT



- Meets IEC 60529 IPX4 standards
- Continues to operate after exposure to splashing water from all directions

### BENEFITS

- EN60529 IP64 ingress protection - dustproof & water resistant
- Powerful beam illuminates objects up to 91 meters away
- Four lighting modes – high white, low white, red & green
- Discrete, push button switches for white & color modes
- Flip-up diffuser provides option of spot or area lighting
- Pivots to aim light where you need it

- UL/CUL intrinsic safety for hazardous locations Class I Div. 1 Groups A,B,C, & D, Class II Div.1 Groups E,F,&G, and Class III Div.1; T4.
- MSHA for methane-air mixtures 
- ATEX intrinsically safe flashlight for IM2/II1G Ex ia I/IIC T4
- IECEx intrinsically safe flashlight for Ga Ex ia IIC T4
- -20°C to 40°C ambient operating range.
- CE 0539
- EN60529 ingress protection level IP64.

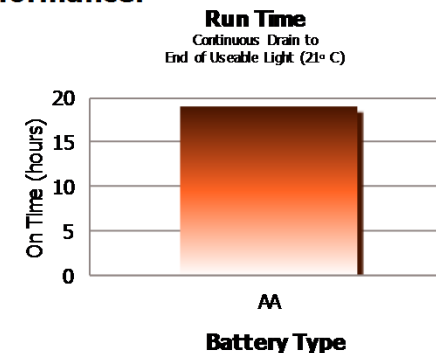
#### Before Using Your Flashlight:

Please read all instructions and cautionary markings on the package and light

### Product Detail:

- Designation:** Energizer Intrinsically Safe™ LED Headlight
- Model:** MSHD31E
- Color:** Safety Orange and Black
- Power Source:** Three "AA"
- ANSI/NEDA:** 15 Series
- Lamp:** One White High Power LED
- Lamp Life (hr):** Lifetime
- Additional Lamps:** 2 Red and 1 Green LED
- Light Output (lumens):** 66
- Run Time (h:min):** 19
- Beam Distance (m):** 91
- Peak Beam Intensity (cd):** 2,070
- Durability:** Survives 2-meter drop
- Typical Weight (g):** 230 with alkaline batteries
- Dimensions (mm):** Light - 79.2 x 28.7 x 53.8  
Battery Pack - 76.2 x 69.9 x 28.7

### Performance:



Tested according to ANSI/NEMA FL 1 Standards.

### Important Notice

This datasheet contains information specific to products manufactured at the time of its publication  
**Contents herein do not constitute a warranty**  
©Energizer / All Rights Reserved