**PRODUCT DATASHEET**

**LED Headlight**

**Energizer®**

**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® MAX® 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

- MSHA for methane-air mixtures
- ATEX intrinsically safe flashlight for Ex ia I/II2 T4
- IECEx intrinsically safe flashlight for Ga Ex ia IIC T4
- -20°C to 40°C ambient operating range.
- 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 (hrs):** Lifetime
- **Additional Lamps:** 2 Red and 1 Green LED
- **Light Output (lumens):** 66
- **Run Time (hrs):** 19
- **Beam Distance (m):** 91
- **Peak Beam Intensity (cd):** 2,070
- **Durability:** Survives 2-meter drop test
- **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:**
- **Run Time**
  - Continues to operate to end of usable light (21°C)

**Battery Type**
- AA

- **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