Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!

Contact us

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LED Headlight

Energizer®
INTRINSICALLY SAFE

MSHD31E

INTRINSICALLY SAFE

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

ECONOMICAL

FL 1 STANDARD

19 h

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

DURABLE

FL 1 STANDARD

2m

- Survives 2-meter drop test
- Shatterproof lens

WATER RESISTANT

FL 1 STANDARD

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

53.8 mm

28.7 mm

79.2 mm

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 ⟨Ex⟩ 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.
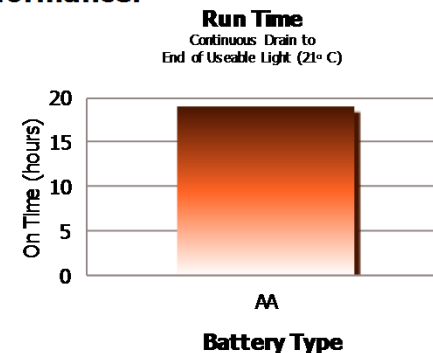- CE 0539
- EN60529 ingress protection level IP64.

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:

Run Time
Continuous Drain to
End of Useable Light (21° C)

On Time (hours): 20, 15, 10, 5, 0

AA

Battery Type

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
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Energizer®

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