



Product Image



Pro Series



MARKETING INFORMATION AND CLAIMS

Product Description

The Energizer HDL80 Hybrid-powered, Waterproof, Dustproof, High CRI Multi-colored Headlamp is another innovative headlamp solution within Energizer's extensive headlamp portfolio. Featuring bright, durable and energy efficient LED technology (12 X Brighter than Standard LED), users get a bright, lightweight, hands-free solution with ample run time capability. It is a perfect light for home, work and outdoor activities in any weather conditions. High CRI LED provides the consumer with clear, high-definition color clarity. With the advanced dimming feature, users can control the intensity of light from 100% to 10%. The low battery indicator, located in the front of the light, will flash when battery is low, warning consumers that it is almost time to change the batteries Powered with either the Rechargeable Lithium-Ion battery or **4AAA** Energizer batteries, a comfortable, adjustable head strap, anti-glare design, and pivoting head to direct light exactly as needed. This headlamp is another way *Energizer*® continues to deliver innovative lighting solutions.

DESIGN FEATURES AND BENEFITS

- ✓ Hybrid power – rechargeable Lithium-Ion or **4AAA**
- ✓ High CRI white LED provides for high-definition color clarity
- ✓ Red and Green LED modes allow users to preserve night vision
- ✓ Compact, lightweight design with comfortable head-strap and power pack on the back of the head.
- ✓ Pivoting head to direct light where needed.
- ✓ Waterproof AND Dustproof (IP67)
- ✓ Shatter proof lens
- ✓ 12x brighter than standard LED technology
- ✓ Powerpack on the back for a better weight balance and more comfort.

PERFORMANCE FEATURES AND BENEFITS

- ✓ Flexible hybrid powered – rechargeable or primary batteries, never be caught in the dark.
- ✓ Low battery indicator
- ✓ Waterproof & Dustproof for use in all weather conditions.
- ✓ Dimmable switching allows users to control light intensity and manage battery life
- ✓ 7 modes provide versatility to suit your needs- High/Medium/Low/Dimming/Red/Green/Red Strobe)
- ✓ Bright, durable, energy-efficient LED technology
- ✓ Last setting memory returns to same mode light was in when turned off



OPERATION

Modes and Features

X	High Spot		High Flood (Wide)		Warm Mode	X	Red		Area High
X	Medium Spot		Medium Flood (Wide)		Cool Mode	X	Red Flashing		Area Medium
X	Low Spot		Low Flood (Wide)		Warm and Cool Together	X	Green		Area Low
	Ultra Low Spot		Emergency Strobe (>5hz see warning copy)				Green Flashing		Nightlight
X	Press and Hold Dimming		Safety Flashing <5Hz				SOS		

OPERATING INSTRUCTIONS

1. Press right switch to turn on in High.
2. Press 2 times for Med.
3. Press 3 times for Low.
4. Press and hold in any white light mode for dimming. Light will flash at highest and lowest settings. Release to set light level.
5. Press left button for color modes.
6. Press 1 time for Red.
7. Press 2 times for Green.
8. Press 2 times for Flashing Red.
9. After 2 seconds in any mode, next press will be off.
10. For white last memory setting, long press the power switch. The light will come on in high and then go to the last setting.

BATTERY CHANGING or CHARGING INSTRUCTIONS

1. Lift latch to unlock battery door.
 2. Close and press latch to lock.
- For AAA:**
1. Load battery cartridge with 4 AAA cells following the orientation marks on the cartridge.
 2. Open battery door and insert the battery cartridge following the orientation marks inside the battery compartment and on the cartridge.
- For Li Ion Battery:**
1. Insert the Li Ion battery following the polarity markings on the battery and battery compartment.
 2. For charging, the rechargeable battery can be left in the light or removed.
 3. To charge use included USB cord and plug battery into any USB charging port. Light must be turned off during charging.

BATTERY CHARGE INDICATOR

1. The rechargeable battery has a charge indicator on the top of the cell.
2. Individual LEDs will light up when the battery reaches the 25%, 50%, 75%, and 100% charged.
3. When the light is in operation, a colored LED will flash 3 times when the battery needs to be recharged.



ENGINEERING DATA

ANSI PERFORMANCE DATA

Lumens	Runtime	Beam Distance	Drop	Water Ingress

BATTERY PERFORMANCE

Battery Type	ENR Max Alkaline		
Modes	Lumens (lm)	Runtime (h)	Beam Distance (m)
High	600	2	100
Medium	400	4:30	90
Low	30	12	-

BATTERY PERFORMANCE-

Battery Type	Lithium Ion 18650 2600 maH		
Modes	Lumens (lm)	Runtime (h)	Beam Distance (m)
High	650	6	100
Medium	375	10	95
Low	30	35	-

PRODUCT SPECIFICATIONS

Weight:	125	grams	4.41	ounces	
Dimensions:	Length		Width		Height
	72.1	mm	36.4	mm	36.8 mm
	2.84	In	1.43	In	1.45 in

Weight does not include user replaceable batteries (unless specified)

BATTERY SPECIFICATIONS

Quantity:	4	Size:	AAA	User Replaceable?	Yes
Type:	Primary Cylindrical				
Quantity:	1	Size:	18650	User Replaceable?	Yes
Type:	Rechargeable Lithium-Ion Capacity 2600 mAh				

ELECTRICAL CHARACTERISTICS

Nominal Power Consumption:	8.4 W	
Batteries:	4 AAA Energizer E92 4.5V dc/18650 3.8V dc	
LED Specifications:	LED 3.0V cc / 2800 mA	
Rechargeable Input Voltage:	5VDC 900mA	Output Voltage: N/A
Time to Charge	3 hours	

Contains magnets?

Shatterproof Lens:

-	Y
LED CCT	LED CRI
5000K	90
Additional Ingress Protection	Other (Impact Testing, etc)
IP67	-



Regulatory Information

CERTIFICATES AND COMPLIANCE

Global Certifications

X	EMC EN62471 RoHS	Global
X	FCC	Tested on all product globally required for USA only.
	ASTM F963 Ages 3+	Global- All products marketed to children

Regional Certifications

	RCM	Australia-Rechargeable products		NOM	Mexico—All Lights		CNS	Taiwan-All rechargeable products
	EAC	EU-Rechargeable products		InMetro	Brazil-AC Plug In Rechargeable		KC Mark	South Korea-All rechargeable products
				UL/S Mark	Argentina-AC Plug In Rechargeable			
				Triman Logo	France—All lights			



REQUIRED REGULATORY INFO

Tested according to ANSI FL1 Standards.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

PRODUCT WARNINGS and/or DISCLAIMERS