



**Product Image**



Pro Series



## MARKETING INFORMATION AND CLAIMS

### Product Description

The Energizer HDL50 Waterproof, Dustproof, Multi-colored Headlamp is another innovative headlamp solution within the extensive headlamp line. 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. Featuring patented Digital Focus, users can easily broaden or narrow their field of vision with a simple button press. With 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

- ✓ Green LED mode allows users to preserve night vision
- ✓ Compact, lightweight design with comfortable head-strap
- ✓ Pivoting head to direct light where needed.
- ✓ Waterproof with shatter proof lens

## PERFORMANCE FEATURES AND BENEFITS

- ✓ Waterproof for use in all weather conditions.
- ✓ High CRI for clear color definition
- ✓ Digital Focus allows user to broaden/narrow the light beam
- ✓ 5 modes provides versatility to suit your needs
- ✓ Bright, durable, energy-efficient LED technology



## Modes and Features

X	High Spot		High Flood (Wide)		Warm Mode		Red		Area High
X	Medium Spot		Medium Flood (Wide)		Cool Mode		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)	X	Digital Focus	X	Green Flashing		Nightlight
	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. Digital Focus: Press and hold right button on high or low to adjust the amount of spot and flood. Release to set focus setting.
5. Press left button for Green modes.
6. Press 1 time for Green.
7. Press 2 times for Flashing Green.
8. After 2 seconds in any mode, next press will be off.

## BATTERY CHANGING or CHARGING INSTRUCTIONS

1. Lift latch to unlock battery door.
  2. Close and press latch to lock.
- For AAA:**
1. Open battery door and follow orientation instructions inside battery compartment to replace the batteries.
- For Battery pack :**
1. The rechargeable battery can be left in the light or removed.
  2. To charge use included USB cord and plug battery into any USB charging port. Light must be turned off during charging.

## BATTERY CHARGE INDICATOR

A charge indicating LED is located by the USB port and will illuminate when the USB charging has started.  
 Red = Charging  
 Green = Charging Complete

# Energizer HDL50 High CRI Headlamp

# Y25A32



## ANSI PERFORMANCE DATA

Lumens	Runtime	Beam Distance	Drop	Water Ingress
<b>IP67</b>				

## BATTERY PERFORMANCE

Battery Type		ENR Max Alkaline		
Modes	Lumens (lm)	Runtime (h)	Beam Distance (m)	
High	500	2	75	
Low	90	15	-	

## BATTERY PERFORMANCE

Battery Type		Lithium Ion		
Modes	Lumens (lm)	Runtime (h)	Beam Distance (m)	
High	400	3	75	
Low	50	15	-	

## PRODUCT SPECIFICATIONS

<b>Weight:</b>	76	grams	2.7	ounces	
<b>Dimensions:</b>	Length		Width		Height
	65.6	mm	47.1	mm	49.3
	2.6	In	1.9	In	1.9

Weight does not include user replaceable batteries (unless specified)

## BATTERY SPECIFICATIONS

<b>Quantity:</b>	3	<b>Size:</b>	AAA	<b>User Replaceable?</b>	Yes
<b>Type:</b>	Primary Cylindrical				
<b>Quantity:</b>	1	<b>Size:</b>	934025-1000mAh	<b>User Replaceable?</b>	Yes
<b>Type:</b>	Rechargeable Lithium-Ion Capacity				

## ELECTRICAL CHARACTERISTICS

<b>Nominal Power Consumption:</b>	6.45 W			
<b>Batteries:</b>	3 AAA Energizer E92 4.5V dc			
<b>LED Specifications:</b>	LED 3.0V cc / 2150 mA			
<b>Rechargeable Input Voltage:</b>	5VDC 600mA	<b>Output Voltage:</b>	N/A	
<b>Time to Charge</b>	2.5 hours			

<b>Contains magnets?</b>	<b>Shatterproof Lens:</b>
No	Yes
<b>LED CCT</b>	<b>LED CRI</b>
5000K	90
<b>Additional Ingress Protection</b>	<b>Other (Impact Testing, etc)</b>
IP67	--



## Regulatory Information

### CERTIFICATES AND COMPLIANCE

#### Global Certifications

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

#### Regional Certifications

<b>X</b>	RCM	Australia-Rechargeable products		NOM	Mexico—All Lights		CNS	Taiwan-All rechargeable products
	EAC	EAC - Armenia, Belarus, Kazakhstan, Kyrgyzstan-Rechargeable products		InMetro	Brazil-AC Plug In Rechargeable		KC Mark	South Korea-All rechargeable products
<b>X</b>	PSE	Jap-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

Image shows rechargeable battery pack info





Dept	Responsible	Approved for Publication	Date
Marketing	Miranda Phillips	Yes	8/18/22
Engineer	Bill Narpes	Yes	8/18/22
Regulatory	John Hadley	Yes	8/18/22
Legal	Jessica Mendez	Yes	2/7/2023
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Version	Date Published	Published By	Description of Changes
1	9/1/2022	Ruth Sholtis-Furyes	Original Publication--DRAFT
2	9/6/2022	Ruth Sholtis-Furyes	IPX7 is final. Still DRAFT for Lithium Claims.
3	12/15/2022	Ruth Sholtis-Furyes	Still DRAFT---Added image for ProSeries Version.
4	2/7/2023	Ruth Sholtis-Furyes	Lithium Claims added. Removed from Draft.

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