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Coast COAST - 30325

Coast XPH30R Headlamp User Manual

Model: COAST - 30325 | Brand: Coast

INTRODUCTION AND OVERVIEW

The COAST XPH30R headlamp is designed for hands-free illumination, offering versatility and robust performance. It features a dust-resistant aluminum body and a unique design that allows the light to roll in its bracket for dynamic directional lighting. This headlamp is powered by a COAST ZITHION-X rechargeable battery, with the added flexibility to operate using disposable CR123 lithium batteries (sold separately). The XPH30R can be detached from its bracket to function as a handheld flashlight with a built-in magnetic base and real-time power indicator. It incorporates Patented Pure Beam focusing technology for seamless transitions between flood and spot beams, and offers four output options: medium, high, low, and COAST's mega-bright Turbo Mode.



Image: The Coast XPH30R headlamp, showcasing its design with the adjustable strap and light unit.



Image: Key performance metrics for the XPH30R headlamp, including 1500 lumens (Turbo), 88 hours runtime (MoonGlow), and 210 meters beam distance (Turbo).

SETUP

1. Battery Installation and Charging

The XPH30R headlamp is designed for dual power options. It comes with a COAST ZITHION-X rechargeable battery (ZX850). For extended use or when recharging is not possible, the headlamp can also operate using disposable CR123 lithium batteries (not included, purchased separately).

- **Rechargeable Battery:** Insert the included ZX850 ZITHION-X rechargeable battery into the headlamp.
- **Charging:** To charge the ZITHION-X battery, connect the provided USB-C charging cable to the headlamp's built-in ProTek charging port. The battery life indicator will show charging status.
- **Disposable Batteries:** If using CR123 batteries, ensure correct polarity when inserting.

RECHARGEABLE PLUS™

RUNS ON RECHARGEABLE OR ALKALINE



RECHARGEABLE

(INCLUDED ZX850)

- Green & energy efficient
- More power
- Cost effective for frequent use
- Charger indicator

ALKALINE

(NOT INCLUDED 2 X CR123)

- Built-in USB-C Port

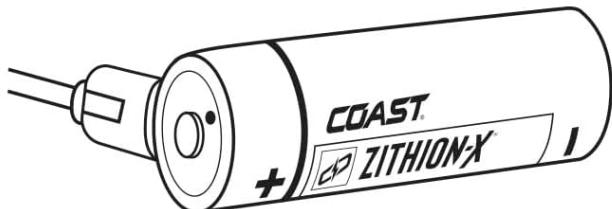


Image: Diagram illustrating the dual power system, showing the rechargeable ZITHION-X battery and the option for alkaline CR123 batteries.

HELMET MOUNTING SYSTEM



Image: The headlamp connected to a USB-C charging cable, highlighting the Pro-Tek charging feature.

INCLUDED



XPH30R HEADLAMP



ZX850 RECHARGEABLE BATTERY



HELMET MOUNTING SYSTEM



USB-C Y SPLIT
CHARGING CABLE



Image: A visual representation of the items included with the XPH30R headlamp: the headlamp unit, ZX850 rechargeable battery, helmet mounting system, and USB-C split charging cable.

2. Attaching to Head or Helmet

The XPH30R headlamp comes with an adjustable head strap for comfortable wear directly on your head. It also includes a helmet mounting system for secure attachment to hard hats or other helmets.

- **Head Strap:** Adjust the elastic strap to fit snugly and comfortably around your head.
- **Helmet Mounting:** Use the provided helmet mounting bracket to attach the headlamp securely to compatible helmets.

MAGNETIC BASE



Image: The Coast XPH30R headlamp mounted on a yellow hard hat, demonstrating the helmet mounting system.

OPERATING INSTRUCTIONS

1. Power On/Off and Light Modes

The XPH30R headlamp features multiple light output modes to suit various needs. Press the power button to cycle through the modes:

- **Medium:** 175 lumens, 12 hours runtime.
- **High:** 530 lumens, 8.5 hours runtime.
- **Low:** 46 lumens, 30 hours runtime.
- **MoonGlow:** 16 lumens, 88 hours runtime (for extended battery life).
- **Turbo Mode:** 1500 lumens (hold the power button for maximum brightness in critical situations). Note: Turbo mode may automatically dim after a period to prevent overheating and preserve battery life.

5 LIGHT MODES

USE TURBO FOR MAXIMUM LIGHT
& MOON GLOW FOR EXTENDED BATTERY



Image: Visual representation of the five light modes: Medium, High, Low, MoonGlow, and Turbo, with their respective lumen outputs.

2. Pure Beam Focusing Optic with Twist Focus

The headlamp utilizes COAST's patented Pure Beam Focusing Optic system, allowing you to seamlessly transition between a broad flood beam and a concentrated spot beam. Simply twist the focus bezel on the headlamp to adjust the beam from wide illumination to a narrow, long-range spot, without any dark rings or hot spots.

FOCUSING BEAM SYSTEM



Image: Illustration of the Pure Beam Focusing Optic, showing the transition from a wide flood beam to a focused Bulls-Eye spot beam via the Twist Focus mechanism.

3. Magnetic Base and Detachable Light

For added versatility, the XPH30R light unit can be easily detached from its head strap and mounting bracket. Once detached, it functions as a compact handheld flashlight. It features a built-in magnetic base, allowing you to attach it to metallic surfaces for hands-free lighting in various situations.

MAGNETIC BASE



Image: The headlamp detached from its strap, demonstrating its magnetic base attached to a metal surface, providing hands-free illumination.

4. Battery Life Indicator

The headlamp is equipped with a real-time battery life indicator to help you monitor power status. This indicator provides a visual cue of the remaining battery charge, allowing you to recharge as needed.

BATTERY LIFE INDICATOR



Image: Three icons indicating battery status: green for charged, orange for low, and red with a lightning bolt for depleted.

MAINTENANCE

1. Cleaning

To ensure optimal performance and longevity of your Coast XPH30R headlamp, regular cleaning is recommended. Use a soft, damp cloth to wipe down the exterior of the headlamp. Avoid using abrasive cleaners or solvents, as these can damage the finish or internal components.

2. Battery Care

For the rechargeable ZITHION-X battery, ensure it is charged regularly, especially before long periods of storage, to maintain battery health. If using disposable CR123 batteries, remove them if the headlamp will not be used for an extended period to prevent leakage.

3. Water and Dust Resistance

The XPH30R headlamp features an IP68 rating, indicating it is highly resistant to dust and water. While designed to

withstand harsh conditions, avoid intentionally submerging the headlamp for prolonged periods. After exposure to water or dusty environments, ensure the charging port cover is securely closed and wipe down the unit.



Image: A person wearing the headlamp in a dusty or wet environment, with an IP68 rating icon, signifying its water and dust resistance.

TROUBLESHOOTING

Light Not Turning On or Dim

- **Check Battery Charge:** Ensure the ZITHION-X battery is fully charged. Refer to the battery life indicator.
- **Battery Insertion:** Verify that the battery (rechargeable or disposable) is inserted correctly with the proper polarity.
- **Disposable Batteries:** If using CR123 batteries, ensure they are fresh and correctly installed.

Turbo Mode Dims Automatically

- This is a normal operational characteristic. The Turbo mode is designed for short bursts of maximum brightness. The headlamp may automatically reduce brightness to prevent overheating and conserve battery

life during prolonged use in Turbo mode.

Beam Focus Not Smooth

- **Clean Bezel:** Ensure the twist focus bezel is free from dirt or debris that might impede smooth operation.

SPECIFICATIONS

Feature	Detail
Model Number	COAST - 30325
Light Output (Turbo)	1500 Lumens
Light Output (High)	530 Lumens
Light Output (Medium)	175 Lumens
Light Output (Low)	46 Lumens
Light Output (MoonGlow)	16 Lumens
Beam Distance (Turbo)	210 Meters
Beam Distance (High)	122 Meters
Beam Distance (Medium)	70 Meters
Beam Distance (Low)	36 Meters
Beam Distance (MoonGlow)	21 Meters
Runtime (Turbo)	(Varies, auto-dims)
Runtime (High)	8.5 hours
Runtime (Medium)	12 hours
Runtime (Low)	30 hours
Runtime (MoonGlow)	88 hours
Power Source	ZITHION-X Rechargeable (included) or 2 x CR123 Lithium (not included)
Material	Aluminum

Feature	Detail
Item Weight	8 ounces (0.5 Pounds)
Product Dimensions	6"D x 2.5"W x 7.48"H
Water Resistance Level	IP68 (Water Resistant)
Special Features	Rechargeable, Adjustable Focus, Long Range, Durable, Dustproof, Storm Proof, Adjustable Strap, Adjustable Light Modes, Magnetic Base

PRODUCT SPECS

CERTIFIED TO ANSI FL1 STANDARD



The COAST XPH30R headlamp is shown lying on a dark, textured surface. The headband is black with the 'COAST' logo in white. The headlamp body is black with a textured grip and a red ring around the lens. The lens is illuminated, casting a bright beam of light. The model name 'COAST XPH30R' is printed on the side of the body.

FL1 STANDARD	MEDIUM	HIGH	LOW	MOON GLOW	TURBO
	175 LUMENS	530 LUMENS	48 LUMENS	16 LUMENS	1500 LUMENS
	70m	122m	36m	21m	210m
	12h	8h 30min	30h	88h	

Image: Detailed product specifications certified to ANSI FL1 Standard, including lumens, beam distance, and runtime for each light mode.

WARRANTY AND SUPPORT

Warranty Information

Coast provides a lifetime warranty on its knives, tools, and LED flashlights/headlamps to be free of defects in materials and workmanship for the life of the original purchaser. This warranty does not cover normal wear and tear, nor damage resulting from misuse or neglect. Please note that the warranty does not cover batteries and charging accessories, or damage caused by them (e.g., leakage).

Customer Support

For further assistance, technical support, or warranty claims, please visit the official Coast website or contact their customer service department. Keep your proof of purchase for warranty validation.

Visit the [Coast Store on Amazon](#) for more product information.