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OLIGHT O-ODINS-BK-P-300000

OLIGHT Odin S Weaponlight Instruction Manual

Model: O-ODINS-BK-P-300000 | Brand: OLIGHT

INTRODUCTION

The OLIGHT Odin S is a high-performance, rail-mounted tactical weaponlight designed for reliability and versatility. It delivers a powerful 1500 lumens output with a beam distance of 250 meters, providing both a bright hotspot and ample spill. Featuring an upgraded magnetic remote pressure switch with a secure screw cap design, it ensures stable and secure light control. The Odin S is built with an integrated mounting bracket and screw-locking rail clamp for robust support, even under heavy recoil. It offers dual power options, including a standard 3500 mAh rechargeable battery and compatibility with non-rechargeable batteries, making it adaptable for various operational needs.



The OLIGHT Odin S weaponlight, shown with its included remote pressure switch and the Picatinny rail mounting system. This tactical flashlight is designed for rail mounting.

WHAT'S IN THE BOX

Verify that all the following components are included in your package:

- Odin S (Battery Included) x 1

- Rail Mount x 1
- Charging Cable x 1
- Pressure Switch x 1
- Pressure Switch Mount x 1
- H2.5 Wrench x 1
- Screws x 2
- Self-Locking Band x 4
- Battery Holder x 1
- User Manual x 1

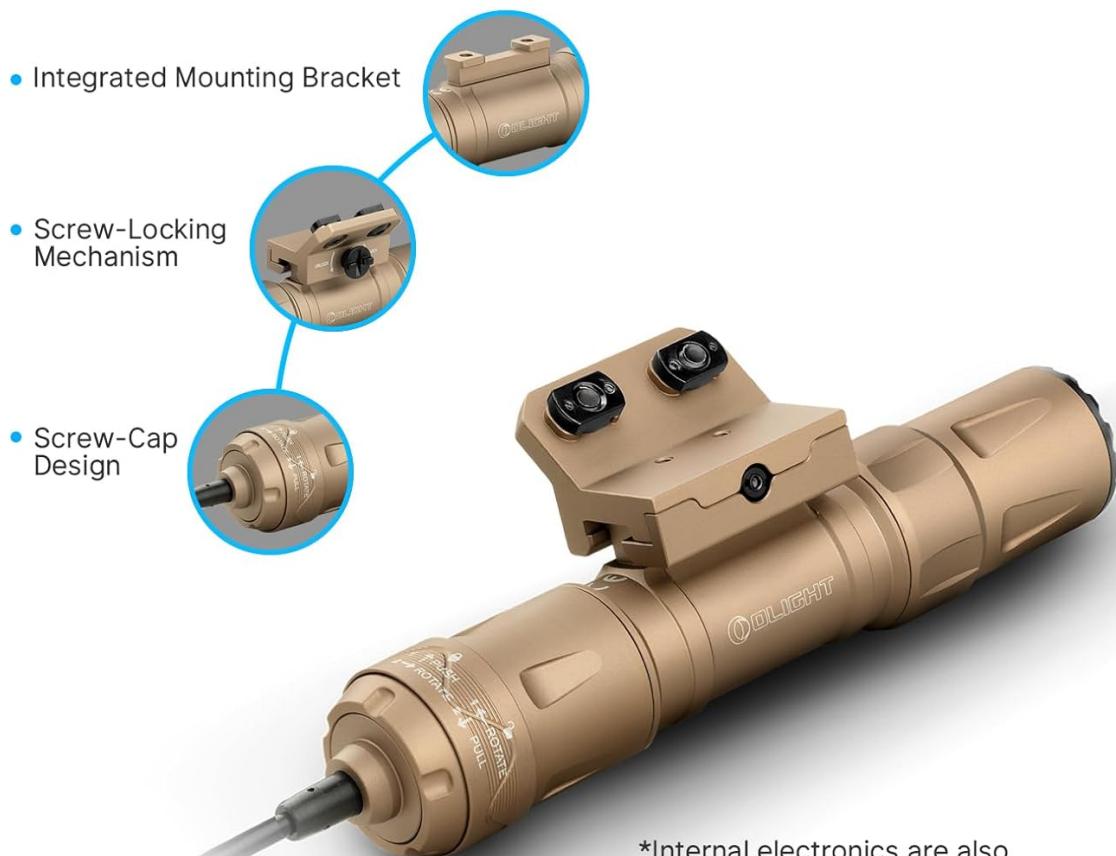
SETUP

1. Mounting the Weaponlight

The Odin S comes with an integrated mounting bracket designed for secure attachment to Picatinny rails. Use the provided H2.5 wrench and screws to firmly attach the weaponlight to your rail system. Ensure the screw-locking mechanism is engaged for maximum stability.

ROCK-SOLID BUILD

Three major upgrades ensure zero failures, even under heavy recoil.



*Internal electronics are also potted to ensure reliability.

The Odin S features a robust construction designed for reliability under heavy recoil. Key elements include an integrated mounting bracket for secure attachment, a screw-locking mechanism for stability, and a durable screw-cap design for the remote switch connection. Internal electronics are potted for added reliability.

2. Connecting the Remote Pressure Switch

Attach the remote pressure switch to the tail cap of the Odin S. The upgraded magnetic remote switch features a secure screw cap design. Push the connector onto the tail cap and then rotate the screw cap to lock it firmly in place. Use the self-locking bands to manage the cable and secure the pressure switch mount to your desired location on the rail.



The upgraded magnetic remote pressure switch features a secure screw cap design, ensuring a firm and stable connection to the weaponlight. This dual-locking mechanism prevents accidental disconnections during use.



The pressure switch mount for the Odin S is designed to fit Picatinny rails and occupies approximately 10 rail slots, or 3.75 inches, of rail space.

3. Battery Installation and Charging

The Odin S comes with a 3500 mAh rechargeable battery pre-installed. To charge the battery, connect the magnetic charging cable to the tail cap of the weaponlight. The indicator light on the charging cable will show the charging status. When using non-rechargeable batteries (compatible with 2*CR123A via the included battery holder), do not attempt to charge the light with the magnetic charging cable.

OPERATING INSTRUCTIONS

1. Basic Operation

The Odin S can be operated using either the tail switch or the remote pressure switch.

- **Tail Switch:** Press the tail switch for momentary on. Click for constant on/off.
- **Remote Pressure Switch:** The remote pressure switch features two buttons: one for low output and one for high output. Press and hold either button for momentary activation. Click for constant on/off.

2. Strobe Function

The strobe function can be enabled or disabled. To enable or disable the strobe function, quickly press the tail switch or the remote switch five times or more, and hold it for more than 1 second at the last press. Once the strobe function is enabled, double pressing the tail switch or remote switch will activate it.

DUAL FUNCTION PRESSURE SWITCH

Low and High button with
programmable Strobe.

*Both the pressure switch and tail switch
can be used for strobe programming.

The remote pressure switch offers dual functionality with distinct buttons for low and high light output. The strobe function can be enabled or disabled by quickly pressing the tail switch or remote switch five times or more, then holding for over 1 second on the last press. Once enabled, a double press activates the strobe.

3. Dual Power Options

The Odin S is designed to operate with two types of power sources:

- **Rechargeable Battery:** The included 3500 mAh rechargeable battery provides extended runtime.
- **Non-Rechargeable Batteries:** The light is compatible with two non-rechargeable CR123A batteries when used with the provided battery holder. This offers flexibility in situations where recharging is not feasible.

MAINTENANCE

1. Cleaning

Regularly clean the lens and body of the weaponlight with a soft, clean cloth. For stubborn dirt, a slightly damp cloth can be used. Do not use abrasive cleaners or solvents, as they may damage the finish or optical components.

2. Battery Care

To maintain optimal battery life and performance:

- Charge the rechargeable battery fully before first use.
- Avoid completely draining the rechargeable battery.
- Store the weaponlight with a partially charged battery if not used for extended periods.
- If using non-rechargeable batteries, remove them if the light will not be used for a long time to prevent leakage.

3. General Care

Inspect the O-rings and threads periodically. Apply a thin layer of silicone grease to the O-rings if they appear dry or worn to maintain the waterproof seal. Ensure all connections, especially the remote pressure switch, are clean and secure.

TROUBLESHOOTING

• Light Not Turning On:

- Check if the battery is fully charged.
- Ensure the battery is inserted with correct polarity.
- Verify that the tail cap is fully tightened.
- Confirm the remote pressure switch is securely connected and locked.

• Dim Output or Flickering:

- Battery may be low; recharge or replace.
- Clean the battery contacts and tail cap threads.
- Ensure the tail cap is fully tightened.

• Strobe Function Not Activating:

- Ensure the strobe function has been enabled as per the operating instructions (five or more quick presses, then hold).
- Double-press the switch quickly to activate strobe once enabled.

• Magnetic Charging Not Working:

- Ensure the magnetic charging cable is clean and properly seated on the tail cap.
- Verify the charging cable is connected to a working USB power source.
- Note: Only the included rechargeable battery can be charged via the magnetic charging cable. Do not attempt to charge non-rechargeable batteries this way.

SPECIFICATIONS

Odin S

Compact Dual Power Tactical Light



MAX OUTPUT



1500lm

WATERPROOF



IPX8

MAX THROW



250m

WEIGHT



6.81 oz/193 g
(Including Battery)

This image illustrates the key performance metrics of the Odin S: a maximum output of 1500 lumens, IPX8 waterproof rating, a beam throw distance of up to 250 meters, and a weight of 6.81 ounces including the battery.

COMPACT SIZE, MIGHTY POWER

Max 1500 Lumens powerful output, 250 Meters long-range throw, offering both a bright hotspot and spill for your defense needs.



The Odin S provides a powerful 1500-lumen output with a 250-meter throw, suitable for illuminating large areas. Its compact design, measuring 5.02 inches in length and 1.14 inches in diameter, allows for easy integration onto various platforms.

ROBUST BUILD, TOUGH ALL AROUND



- Aerospace-grade aluminum alloy
- Type III hard anodized finish
- 1.5-meter impact resistant

Constructed from aerospace-grade aluminum alloy with a Type III hard anodized finish, the Odin S is built for extreme durability. It boasts an IPX8 waterproof rating, allowing for continuous submersion, and is resistant to 1.5-meter impacts, ensuring performance in harsh environments.

OUTPUT

SPECIFICATIONS	Rechargeable Battery ¹ (Included)		Non-rechargeable Battery ² (Not included)	
	High	Low	High	Low
☀	1,500±650±300 lumens	300 lumens	1,000±550±300 lumens	300 lumens
⌚	3.5±110±18 minutes	5h10min	10±45±26 minutes	3h
▶	250m	110m	200m	110m
●	15,600 cd	3,050 cd	10,000 cd	3,050 cd
●	1500lm/13Hz		1000lm/13Hz	

Note:

Above data are tested per ANSI/PLATO FL 1-2019 standard in Olight's labs for reference.



This table provides a comprehensive overview of the Odin S's performance characteristics. It details the high and low output modes,

corresponding runtimes, beam throw distances, and candela values for both the included rechargeable battery and compatible non-rechargeable batteries.

General Specifications

Feature	Specification
Model	Odin S
Part Number	O-ODINS-BK-P-300000
Light Source Type	LED
Max Output	1500 Lumens
Max Throw Distance	250 Meters
Water Resistance Level	IPX8 Waterproof
Material	Aerospace-grade Aluminum Alloy
Finish Type	Type III Hard Anodized
Impact Resistance	1.5 Meters
Product Dimensions (L x W x H)	5.02" x 1.14" x 1.14" (127.5mm x 29mm x 29mm)
Item Weight	1.12 pounds (508g)
Power Source	Battery Powered
Battery Type	1 x 3500 mAh Lithium Ion (included) or 2 x CR123A (not included)
Special Features	Rechargeable, Remote Control, Strobe, Waterproof
Mounting Type	Rifle Mount (Picatinny Rail)

WARRANTY & SUPPORT

Warranty Information

OLIGHT provides a **lifetime warranty** for the Odin S weaponlight, covering manufacturing defects and material flaws. This warranty ensures long-term reliability and customer satisfaction. For specific terms and conditions, please refer to the official OLIGHT warranty policy or contact customer support.

Customer Support

For any questions, technical assistance, or warranty claims, please contact OLIGHT customer support through their official website or the contact information provided in your product packaging. You can also visit the official [OLIGHT Store on Amazon](#) for more information and product updates.

Related Documents

	<p><u>Olight Odin GL User Manual: Operation, Installation, and Safety</u></p> <p>Comprehensive user manual for the Olight Odin GL flashlight, detailing its features, operation, installation on Picatinny rails, charging instructions, and important safety precautions. Includes multilingual instructions.</p>
	<p><u>Olight Odin Mini Tactical Flashlight User Manual</u></p> <p>Comprehensive user manual for the Olight Odin Mini tactical flashlight, detailing its operation, specifications, installation, safety guidelines, and warranty information.</p>
	<p><u>Olight Odin GL Mini User Manual</u></p> <p>User manual for the Olight Odin GL Mini tactical flashlight, detailing its features, operation, charging, installation, and safety precautions. Includes information on light settings, tail switch operation, remote switch installation, and warranty.</p>
	<p><u>Olight Warrior X Turbo User Manual</u></p> <p>Comprehensive user manual for the Olight Warrior X Turbo flashlight, detailing specifications, operation, charging, safety warnings, and warranty information.</p>