OLIGHT O-ODINS-DT-300000

OLIGHT Odin S 1500 Lumens MLOK Rail Mounted Weaponlight Instruction Manual

Brand: OLIGHT

Model: O-ODINS-DT-300000

1. PRODUCT OVERVIEW

The OLIGHT Odin S is a high-performance tactical weaponlight designed for reliable illumination in demanding environments. It boasts a powerful 1500-lumen output and a beam distance of 250 meters, providing both a bright hotspot and ample spill for situational awareness. Its robust construction and versatile mounting options make it an ideal choice for various tactical applications.

Figure 1: OLIGHT Odin S 1500 Lumens MLOK Rail Mounted Weaponlight in Desert Tan with Remote Pressure Switch.

Figure 2: Overview of Odin S key features including 1500lm max output, IPX8 waterproof rating, 250m max throw, and 6.81 oz weight.

MLOK & PICATINNY VERSIONS

Two available versions, choose the one that suits your needs.

MLOK   PICATINNY

Figure 3: The Odin S is available in both MLOK and Picatinny rail versions to suit different user preferences.

ROCK-SOLID BUILD

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

- Integrated Mounting Bracket

- Screw-Locking Mechanism

- Screw-Cap Design

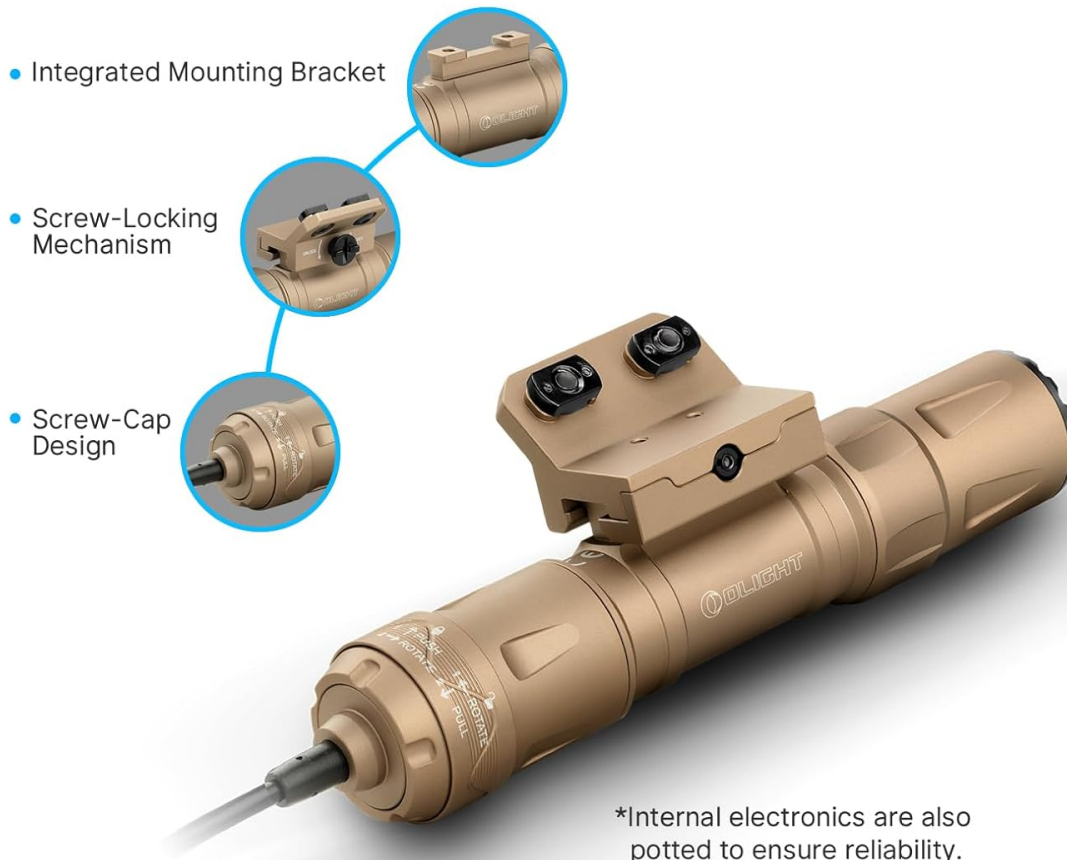*Internal electronics are also potted to ensure reliability.

Figure 4: The robust design of the Odin S includes an integrated mounting bracket, screw-locking mechanism, and screw-cap design for enhanced durability.

DUAL LOCK, DOUBLE SECURITY

Enhanced screw cap design for fast locking. Maintain control at all times.

Figure 5: The enhanced screw cap design provides fast locking and maintains secure control of the light.

Figure 6: The Odin S features aerospace-grade aluminum alloy, Type III hard anodized finish, and 1.5-meter impact resistance, ensuring durability and IPX8 waterproofing.

OUTPUT

SPECIFICATIONS	Included Rechargeable Battery*1		Non-rechargeable Battery*2	
	High	Low	High	Low
☀	1,500$_z$650$_z$300 lumens	300 lumens	1,000$_z$550$_z$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.

Figure 7: Detailed output specifications for the Odin S, including lumens, runtime, and throw distance for both included rechargeable and non-rechargeable batteries.

Figure 8: The dual function pressure switch offers low and high button control with a programmable Strobe function.

2. WHAT'S IN THE BOX

- Odin S (Battery Included) x 1
- Rail Mount x 1
- Charging Cable x 1
- H3.0 Wrench x 1 (For M-LOK version)
- Nuts x 2 (For M-LOK version)
- H2.5 Wrench x 1
- Screws x 2
- Self-Locking Band x 4
- Battery Holder x 1
- User Manual x 1

- Pressure Switch x 1
- Pressure Switch Mount x 1

3. SETUP

3.1 Battery Installation and Charging

The Odin S comes with a standard 3500 mAh rechargeable battery. To install or replace the battery, unscrew the tail cap of the flashlight. Insert the battery with the positive (+) end facing towards the head of the light. Securely screw the tail cap back on.

To charge the light, connect the magnetic charging cable to the tail cap. The indicator light on the charging cable will show the charging status. It will be red while charging and turn green when fully charged. Note: When using non-rechargeable batteries, do not attempt to charge the light with the magnetic charging cable.

Figure 9: The Odin S features convenient magnetic charging via the tail cap.

3.2 Mounting the Weaponlight

The Odin S is designed for secure attachment to MLOK rails. Use the included rail mount and screws to firmly attach the weaponlight to your desired position on the rail. Ensure the screw-locking rail clamp is tightened for secure support, especially under heavy recoil.

Figure 10: Close-up of the secure mounting bracket for the Odin S.

3.3 Attaching the Remote Pressure Switch

The upgraded magnetic remote pressure switch connects to the tail cap of the Odin S. Align the magnetic end of the pressure switch with the tail cap and allow it to snap into place. Then, push the screw cap design forward to securely lock the switch, ensuring stable light control during use.

4. OPERATING INSTRUCTIONS

4.1 Basic Operation (Tail Switch)

The tail switch allows for both momentary and constant on/off functions, as well as mode selection.

- **Constant On/Off:** Press the tail switch lightly or hard and quickly for Low/High mode. Press again to turn

it off.

- **Momentary On:** Press the tail switch lightly or hard and hold for Low/High mode. Release to turn it off.

Video 1: This video demonstrates how to operate the OLIGHT Odin S in different modes using the tail switch, including constant on and momentary on functions.

4.2 Basic Operation (Pressure Switch)

The remote pressure switch offers similar functionality to the tail switch for convenient remote control.

- **Constant On/Off:** Press the LO/HI button quickly for Low/High mode. Press again to turn it off.
- **Momentary On:** Press and hold the LO/HI button for Low/High mode. Release to turn it off.

Video 2: This video demonstrates how to operate the OLIGHT Odin S in different modes using the remote pressure switch, including constant on and momentary on functions.

4.3 Strobe Function

The Odin S features a customizable strobe function. By default, the strobe function is disabled.

- **Enable/Disable Strobe:** When the light is off, quickly press the tail switch or HI button of the remote switch five times or more, and hold it for more than 1 second at the last press to enable or disable the Strobe function.
- **Activate Strobe:** Once the Strobe function is enabled, double pressing the tail switch or remote switch can activate it.

Video 3: This video demonstrates how to enable, disable, and activate the Strobe function on the OLIGHT Odin S using both the tail switch and remote pressure switch.

4.4 Power Output Modes

The Odin S offers different power output levels depending on the battery type used. Refer to the specifications table for detailed information on lumens, throw distance, and runtime for both rechargeable and non-rechargeable batteries.

5. MAINTENANCE

5.1 Cleaning

Regularly clean the lens and body of the flashlight with a soft, clean cloth. Avoid using abrasive materials or harsh chemicals that could damage the finish or optical components.

5.2 Battery Care

To maximize battery life, store the rechargeable battery in a cool, dry place when not in use. If the light will not be used for an extended period, it is recommended to remove the battery. The light will vibrate to indicate low battery levels during use.

5.3 Waterproofing

The Odin S is IPX8 waterproof, meaning it can be continuously submerged in water up to 2 meters. Ensure all parts are securely tightened before exposing the light to water. After exposure to saltwater, rinse the light with fresh water and dry thoroughly.

6. TROUBLESHOOTING

6.1 Light Not Turning On

- Check if the battery is correctly installed with the positive (+) end facing the head.
- Ensure the battery is charged. Connect the magnetic charging cable to verify charging status.
- Verify that the tail cap is fully tightened. A loose tail cap can prevent electrical contact.

6.2 Dim Light or Short Runtime

- Recharge the battery fully.
- Clean the contact points on the battery and inside the flashlight with a clean cloth.
- Ensure the correct battery type is being used.

6.3 Strobe Function Not Working

- Ensure the strobe function has been enabled as per section 4.3.
- Double-press the tail switch or remote switch quickly to activate the strobe.

7. SPECIFICATIONS

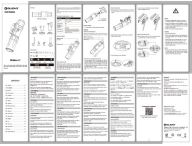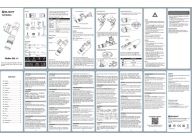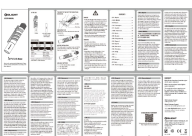| Feature	Detail
Special Feature	Waterproof, Strobe, Rechargeable
Color	Desert Tan
Power Source	Battery Powered
Light Source Type	LED
Material	Aluminum
White Brightness	1500 Lumens
Product Dimensions	1.14"D x 1.14"W x 5.02"H
Light Path Distance	250 Meters
Battery Cell Composition	Lithium Ion
Number of Batteries	1 Lithium Ion batteries required. (included)
Water Resistance Level	Waterproof
Warranty Type	lifetime warranty
Style	Mlok Rail

Feature	Detail
Item Weight	1.12 pounds
Country of Origin	China
Item model number	O-ODINS-DT-300000
Date First Available	May 18, 2024

8. WARRANTY AND SUPPORT

The OLIGHT Odin S comes with a **lifetime warranty**, ensuring long-term reliability and customer satisfaction. For any support inquiries, technical assistance, or warranty claims, please visit the official OLIGHT store or contact their customer service directly.

Official OLIGHT Store: https://www.amazon.com/stores/OLIGHT/page/098E844F-88E8-45DC-901F-203F35540649

Related Documents - O-ODINS-DT-300000

	Olight Odin Mini Tactical Flashlight User Manual Comprehensive user manual for the Olight Odin Mini tactical flashlight, detailing its operation, specifications, installation, safety guidelines, and warranty information.
	Olight Odin GL Mini User Manual: Operation, Specifications, and Safety Comprehensive user manual for the Olight Odin GL Mini flashlight, covering operation, specifications, charging, installation, safety warnings, and warranty information. Learn how to use and maintain your Odin GL Mini.
	Olight i3T EOS Brass User Manual Comprehensive user manual for the Olight i3T EOS Brass flashlight, detailing specifications, operation, safety precautions, and warranty information.
	Olight Odin S Tactical Flashlight User Manual Comprehensive user manual for the Olight Odin S tactical flashlight, detailing its features, specifications, installation, operation, safety warnings, and warranty information. Learn how to use your rail-mounted flashlight with remote switch.
	Olight Warrior Mini User Manual and Operation Guide Comprehensive user manual for the Olight Warrior Mini flashlight, covering specifications, operation, charging, safety, and warranty information.
	Olight Warrior X Pro User Manual - Powerful LED Flashlight Comprehensive user manual for the Olight Warrior X Pro flashlight, detailing its operation, battery installation, charging, specifications, and warranty information.