

Manuals.plus /

> T-SUN /

> T-SUN Battery Work Light for Dewalt 18V/20V Battery, Cordless LED Work Light with 2 Modes, USB & Type C Charging Port, Portable Work Light for Workshop, Car Repair, Emergency and Job Site Lighting 7"-White

T-SUN TS-F01

T-SUN Battery Work Light User Manual

Model: TS-F01 | Brand: T-SUN

1. INTRODUCTION AND OVERVIEW

The T-SUN Cordless LED Work Light is engineered to provide powerful and adaptable illumination for a wide range of applications, from professional job sites to personal workshops and outdoor adventures. Its compatibility with existing Dewalt 18V/20V batteries makes it a convenient addition to any toolkit. Featuring 15 high-power LED beads, two distinct lighting modes, and a 140° rotatable head, this light ensures optimal visibility wherever you need it. Additionally, integrated USB and Type-C charging ports allow you to power your mobile devices on the go.



Image: T-SUN Battery Work Light providing illumination in a workshop environment.

2. PRODUCT FEATURES

- **High-Brightness LED Beads:** Equipped with 15 high-power LED beads for bright and efficient illumination.
- **Dual Lighting Modes:** Offers two distinct lighting modes (High Mode and Low Mode) to adapt to various lighting requirements and conserve battery life.
- **Wide Compatibility:** Designed to be compatible with Dewalt 18V-20V batteries (e.g., DCB203, DCB204, DCB205, DCB206, DCB204-2, DCB205-2, DCB206-2, DCB200). *(Battery not included)*
- **USB & Type-C Charging Ports:** Features dual charging ports (USB-A and Type-C) for convenient charging of mobile phones, tablets, headsets, and other electronic devices.
- **Low Voltage Protection:** Incorporates a low voltage protection circuit that automatically cuts off power when the battery voltage drops below 14V, safeguarding the battery from over-discharge.
- **Adjustable Head:** The light head is 140° rotatable, allowing for flexible light direction.
- **Durable Construction:** Made with ABS+PC and Aluminum Alloy for enhanced durability, shock resistance, corrosion resistance, and effective heat dissipation.



Image: Key features of the T-SUN Work Light, including adjustable angle and charging ports.

3. SETUP

3.1 Battery Installation

1. Ensure the work light is powered off before installing or removing the battery.
2. Align your compatible Dewalt 18V/20V battery with the battery slot on the base of the work light.
3. Slide the battery firmly into the slot until it clicks securely into place.
4. To remove the battery, press the release button on the battery and slide it out.

Compatible with Dewalt 18V-20V Li-ion Battery

(Batteries not included)



DCB201



DCB202



DCB203



DCB204



DCB205



DCB206



Image: Visual guide for Dewalt 18V-20V battery compatibility.

4. OPERATING INSTRUCTIONS

4.1 Powering On/Off and Lighting Modes

The work light features two switches on the base for controlling power and lighting modes:

- **Power Switch:** Located on the left (when facing the back of the light). Flip this switch to the 'ON' position to activate the light's power system. A red indicator light will illuminate.
- **Light Mode Switch:** Located on the right. Toggle this switch to cycle between the two lighting modes:
 - **High Mode:** Provides maximum brightness for extensive illumination.
 - **Low Mode:** Offers reduced brightness, ideal for conserving battery life or less intense lighting needs.
- **Adjusting Light Angle:** The light head can be rotated up to 140° to direct the beam precisely where needed.

2 Lighting Modes



Image: Demonstrating the two available lighting modes.

4.2 Charging Other Devices

The work light's base includes USB-A and Type-C charging ports, allowing it to function as a power bank for your electronic devices:

1. Ensure a charged Dewalt 18V/20V battery is securely attached to the work light.
2. Connect your device's charging cable to the appropriate USB-A or Type-C port on the work light's base.
3. The work light will begin charging your device. The red indicator light on the power switch will confirm operation.



Image: The dual charging ports in action, powering external devices.

5. MAINTENANCE

- **Cleaning:** Wipe the light's surface with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- **Storage:** When not in use, store the work light in a cool, dry place away from direct sunlight and extreme temperatures. Remove the battery if storing for extended periods.
- **Battery Care:** Refer to your Dewalt battery's specific user manual for proper charging, storage, and maintenance guidelines.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
---------	----------------	----------

Problem	Possible Cause	Solution
Light does not turn on.	Battery not properly installed or discharged. Power switch is off.	Ensure battery is fully charged and securely attached. Flip the power switch to the 'ON' position.
Devices not charging via USB/Type-C.	Battery is low or depleted. Charging cable is faulty. Device is incompatible.	Ensure the Dewalt battery is sufficiently charged. Try a different charging cable. Verify device compatibility with 5V/2.1A or 5V/3A output.
Light suddenly turns off.	Low voltage protection activated.	The battery voltage has dropped below 14V. Recharge the Dewalt battery.

7. SPECIFICATIONS

Feature	Detail
Product Name	The work light
Model	TS-F01
Light Source	High power LED beads (15 LED)
Color Temperature	6000K
Luminous Flux	20000-5000LM
Material	ABS+PC+Aluminum Alloy
USB Input Power	USB/Type-C 5V/2.1A/5V/3A (Max)
Battery Compatibility	DEWALT 18-20V
Work Time (approx.)	High light: 6H; Low light: 18H
IP Grade	IP42
Working Mode	High light-low light
Product Dimensions	7.28"L x 3.15"W x 7.08"H
Item Weight	1.52 pounds

8. SAFETY INFORMATION

- Do not look directly into the light when it is on, as this may cause eye strain or damage.
- Keep the work light away from water or excessive moisture to prevent electrical hazards.
- Do not attempt to disassemble or modify the work light. This will void the warranty and may cause damage or injury.
- Use only compatible Dewalt 18V/20V batteries.
- Turn off the charging button when not in use to save energy and protect the battery.

9. WARRANTY AND SUPPORT

This T-SUN Battery Work Light comes with a**1-year warranty** from the date of purchase. This warranty covers

manufacturing defects and malfunctions under normal use. It does not cover damage caused by misuse, accidents, unauthorized repairs, or normal wear and tear.

For warranty claims, technical support, or any inquiries regarding your product, please contact T-SUN customer service through the retailer's platform where you purchased the item. Please have your purchase receipt and product model number (TS-F01) ready when contacting support.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question