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› T-SUN Rechargeable Black Lights User Manual

T-SUN TS-F0220-PP-2P

T-SUN Rechargeable Black Lights User Manual

Model: TS-F0220-PP-2P

PRODUCT OVERVIEW

The T-SUN Rechargeable Black Lights are versatile, battery-powered ultraviolet (UV) lights designed for various applications, including fishing, work, glow parties, body paint, fluorescent posters, and neon events. These lights feature super-bright LEDs, a durable and waterproof housing, and a portable design for both indoor and outdoor use.



Image: Two T-SUN rechargeable black lights, showing their compact design, along with two USB charging cables and a magnetic mounting base. The lights are black with purple accents and feature a rectangular LED array.

WHAT'S IN THE BOX

- 2 x T-SUN Black Work Lights
- 2 x USB Charging Cords
- 1 x User Manual

SPECIFICATIONS



Image: A single T-SUN rechargeable black light with callouts indicating 60 LEDs, UV Black light, and IP65 waterproof rating. Dimensions of 6.6 inches by 5.1 inches are also shown.

Feature	Detail
Brand	T-SUN
Model Number	TS-F0220-PP-2P
Light Source Type	Light Emitting Diode (LED)
Number of Light Sources	60
Wavelength	400-405 NM (Safe for Eyes and Human Skin)
Power Source	Battery Powered

Feature	Detail
Battery Capacity	6000mAh
Input/Output Voltage	5V/2A
Material	Acrylonitrile Butadiene Styrene (ABS), Glass, Plastic, TPR
Waterproof Rating	IP65
Item Weight	1.76 Pounds
Product Dimensions	6.8"L x 3.7"W x 5.3"H
Lifetime	55,000 hours

Setup

- Unpack the Lights:** Carefully remove the black lights and accessories from the packaging.
- Initial Charge:** Before first use, fully charge the black lights.
 - Locate the USB charging port on the back of the light. It is protected by a rubber cover.
 - Open the rubber cover and connect the provided USB charging cord to the port.
 - Connect the other end of the USB cord to a compatible 5V/2A USB power adapter (not included).
 - The charging indicator light will show charging status (refer to the light's specific indicator behavior, usually red for charging, green/off for full).

Portable UV Black Light

Rechargeable Black light

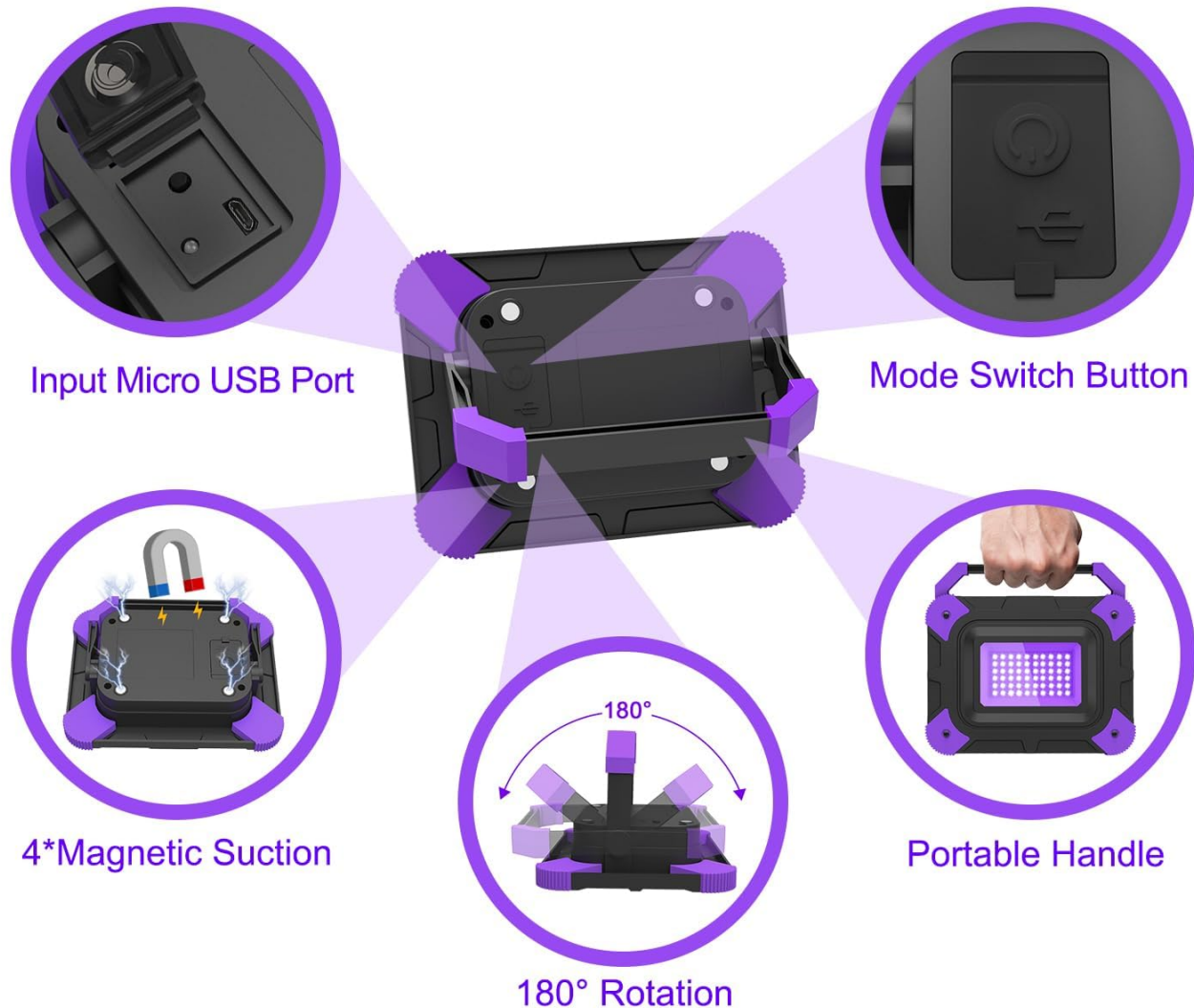


Image: A detailed view of the T-SUN black light, highlighting its input Micro USB Port, Mode Switch Button, 4 Magnetic Suction points, 180° Rotation capability of the stand, and Portable Handle. This image illustrates the physical features relevant to setup and operation.

3. Positioning:

- Use the 180° adjustable bracket to position the light at the desired angle.
- The integrated magnetic suction points on the back allow for easy attachment to metallic surfaces for stable illumination.

OPERATING INSTRUCTIONS

1. **Power On/Off:** Locate the power switch (often integrated with the mode switch button) and press it to turn the light on or off.
2. **Adjust Brightness Modes:** The T-SUN black light typically features multiple brightness settings.
 - Press the mode switch button repeatedly to cycle through available brightness levels (e.g., High-brightness, Low-brightness).
 - **High-brightness Mode:** Provides maximum illumination, ideal for vibrant glow effects. Battery life is approximately 5-6 hours.

- **Low-brightness Mode:** Conserves battery life while still providing effective UV light. Battery life is approximately 8-10 hours.

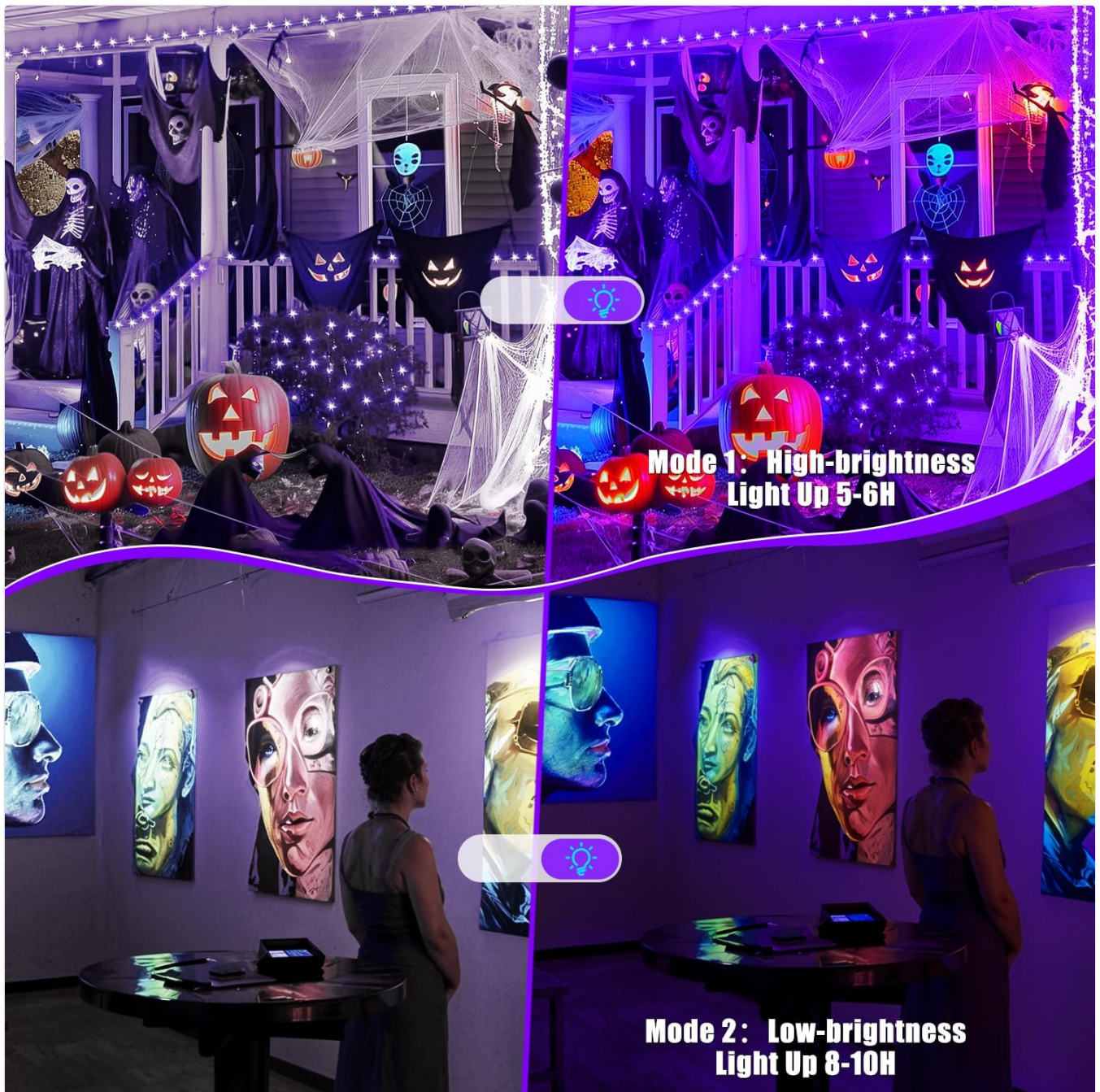


Image: A side-by-side comparison showing the effect of the T-SUN black light in a Halloween outdoor decoration setting. The left side depicts the scene with low brightness, while the right side shows the same scene with high brightness, illustrating the difference in illumination intensity.

3. **Applications:** The black lights are suitable for a wide range of uses due to their UV wavelength (400-405 NM), which is safe for eyes and human skin.
 - Illuminating reactive pigments, paints, and dyes for glow parties and body painting.
 - Enhancing fluorescent materials for neon parties, art galleries, and stage effects.
 - Practical uses such as night fishing or as a portable work light.
 - Holiday decorations for Halloween and Christmas.



Image: A collage showcasing diverse applications of the T-SUN black light, including body painting, a glow party, a yoga training session, and night fishing, demonstrating its versatility.

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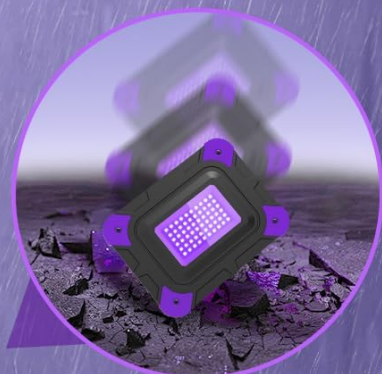
Video: This video demonstrates the T-SUN Rechargeable Black Light in various settings, including fishing, as a work light, and for Halloween decorations. It highlights the light's portability and effectiveness in illuminating fluorescent materials.

MAINTENANCE

- **Cleaning:** Wipe the light's surface with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- **Storage:** Store the black light in a cool, dry place when not in use. If storing for extended periods, charge the battery every 3-6 months to maintain battery health.
- **Water Resistance:** The light has an IP65 waterproof rating, meaning it is protected from dust and low-pressure water jets. While it can withstand rain and splashes, do not submerge it in water. Ensure the USB port cover is securely closed when exposed to moisture.



IP65 WATERPROOF



SHOCKPROOF



Image: The T-SUN black light shown in a rainy environment, emphasizing its IP65 waterproof rating and shock-resistant design, ensuring durability in various weather conditions.

- **Shock Resistance:** The durable ABS housing and TPR material provide excellent shock resistance. However, avoid dropping the light from significant heights to prevent damage.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Light does not turn on.	Battery is depleted.	Charge the light using the provided USB cable.
Light is dim or flickers.	Low battery or incorrect mode.	Recharge the battery. Ensure the light is set to the desired brightness mode.

Problem	Possible Cause	Solution
Light does not charge.	Charging cable or adapter issue; port obstruction.	Try a different USB cable or power adapter. Ensure the charging port is clean and free of debris.
Magnetic attachment is weak.	Surface is not ferromagnetic or too thin.	Ensure the surface is made of a suitable magnetic material and is thick enough for strong adhesion.

WARRANTY AND SUPPORT

T-SUN provides a 2-year service warranty for this product. If you encounter any issues or have questions regarding your T-SUN Rechargeable Black Lights, please do not hesitate to contact our customer support team. We offer 24-hour after-sales support to ensure your satisfaction.

For support, please refer to the contact information provided on the product packaging or the official T-SUN website.

