SUNTHIN ST-FM-R092-6P

SUNTHIN Outdoor Landscape Lighting with Dusk to Dawn Sensor Controller Instruction Manual

Model: ST-FM-R092-6P | Brand: SUNTHIN

Introduction

Welcome to the SUNTHIN Outdoor Landscape Lighting system. This manual provides detailed instructions for setting up, operating, and maintaining your new lighting system. Designed for ease of use and durability, these spotlights will enhance the beauty and safety of your outdoor spaces with automated, customizable illumination.



Image: Example of SUNTHIN landscape lighting illuminating an outdoor garden and pathway.

What's in the Box

Please ensure all components are present before beginning installation:

- Spotlights × 6
- IP65 Adapter × 1
- Sensor Controller × 1
- Manual × 1



Image: All components included in the SUNTHIN Outdoor Landscape Lighting 6-pack.

Key Features

- **Dusk-to-Dawn Operation:** Precision-engineered sensor detects natural light changes, turning lights on at sunset and off at sunrise automatically.
- **Timer Mode:** Offers flexible duration presets (2H/4H/6H/8H) to match your evening lighting needs.
- **Adjustable Brightness:** Easily dim or brighten the lights to match your mood or landscape design.
- **Memory Function:** Automatically saves your preferred automation mode, time mode, and dimming mode for hassle-free operation.
- **IP65 Waterproof Protection:** All components (power supply, sensor controller, light heads, extension cables) are IP65-rated or higher for reliable outdoor use in all weather conditions.
- **Extendable Cords:** Cords can be extended (cords sold separately) for added convenience if the included lengths are not sufficient.

Setup and Installation

The SUNTHIN Outdoor Landscape Lighting system offers flexible installation options to suit your needs. Ensure the power adapter is connected to a GFCI outlet for safety.

Installation Methods

- **Ground Installation:** Insert the durable stakes into the ground to illuminate pathways, garden beds, or trees.
- **Wall Mounting:** The spotlights can also be mounted on walls to highlight architectural features or provide upward lighting.



Image: Low voltage landscape spotlight setup diagram, illustrating cable lengths and component connections.

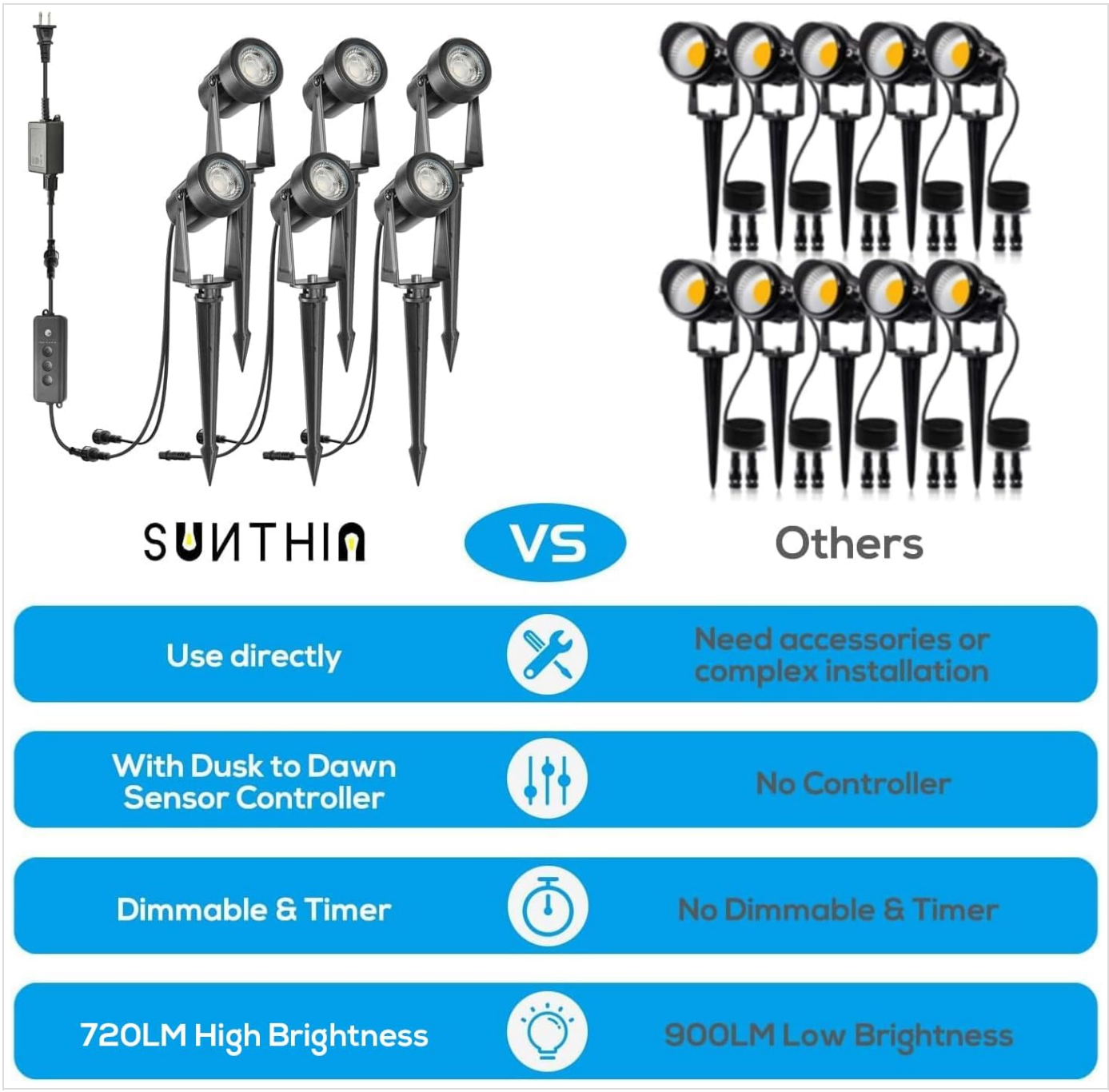


Image: Detail of ground installation for a single spotlight.

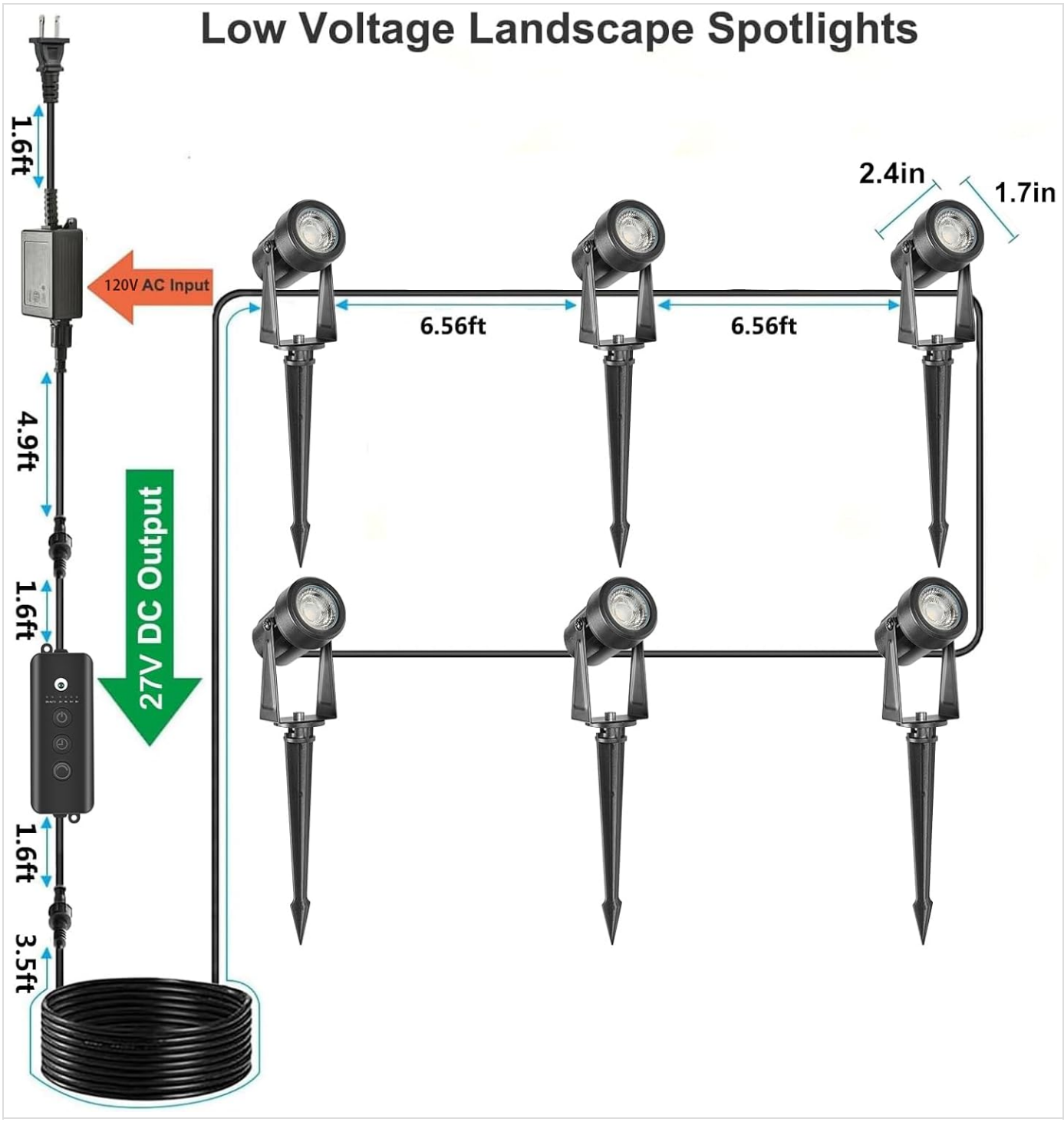


Image: Detail of wall mounting for a single spotlight.

Operating Instructions

The SUNTHIN landscape lighting system features an intuitive sensor controller for easy operation.

Sensor Controller Overview



Image: Detailed view of the sensor controller, highlighting its buttons and functions.

Power Button

- **First Press:** Turns on the lights in "Always On" mode.
- **Second Press:** Activates "Auto" mode (Dusk-to-Dawn), where lights turn on at sunset and off at sunrise.
- **Third Press:** Turns off the lights.

Timer Button

- Press the timer button repeatedly to cycle through preset durations: 2H, 4H, 6H, 8H.
- The lights will automatically turn off after the selected duration.

- Pressing a fifth time will deactivate the timer function.

Dimming Button

- Single press to cycle through five brightness levels: 10%, 25%, 50%, 75%, and 100%.
- Long press to gradually increase or decrease brightness within the 10% to 100% range.

Memory Function

The controller automatically saves your preferred automation mode, time mode, and dimming mode for hassle-free operation. Enjoy personalized illumination every single night without needing to reset settings.

Official Product Videos

Outdoor Spotlights with Sensor Controller Unboxing Video

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This video provides an unboxing experience and demonstrates the features and functionality of the SUNTHIN Outdoor Landscape Lighting system, including its sensor controller and waterproof capabilities.

Dusk to Dawn Spotlights Ad Video

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This video showcases the automatic dusk-to-dawn operation and various lighting effects of the SUNTHIN landscape spotlights, highlighting their ease of use and aesthetic appeal.

Durability and Waterproofing

The SUNTHIN Outdoor Landscape Lighting system is built to withstand various outdoor conditions, ensuring reliable performance year-round.

- **IP65 Waterproof Protection:** All components, including the spotlights, low voltage power supply, sensor controller, light heads, and extension cables, are IP65-rated or higher. This ensures protection against dust and water jets from any direction.
- **Sealed Design:** The lamp heads feature a waterproof seal ring inside, and the wire exit areas are completely sealed with waterproof glue to prevent water ingress.
- **Robust Materials:** Constructed with durable materials to resist rust and withstand sun, snow, and wind.



Image: Visual representation of the IP65 waterproof rating, highlighting resistance to various weather conditions.

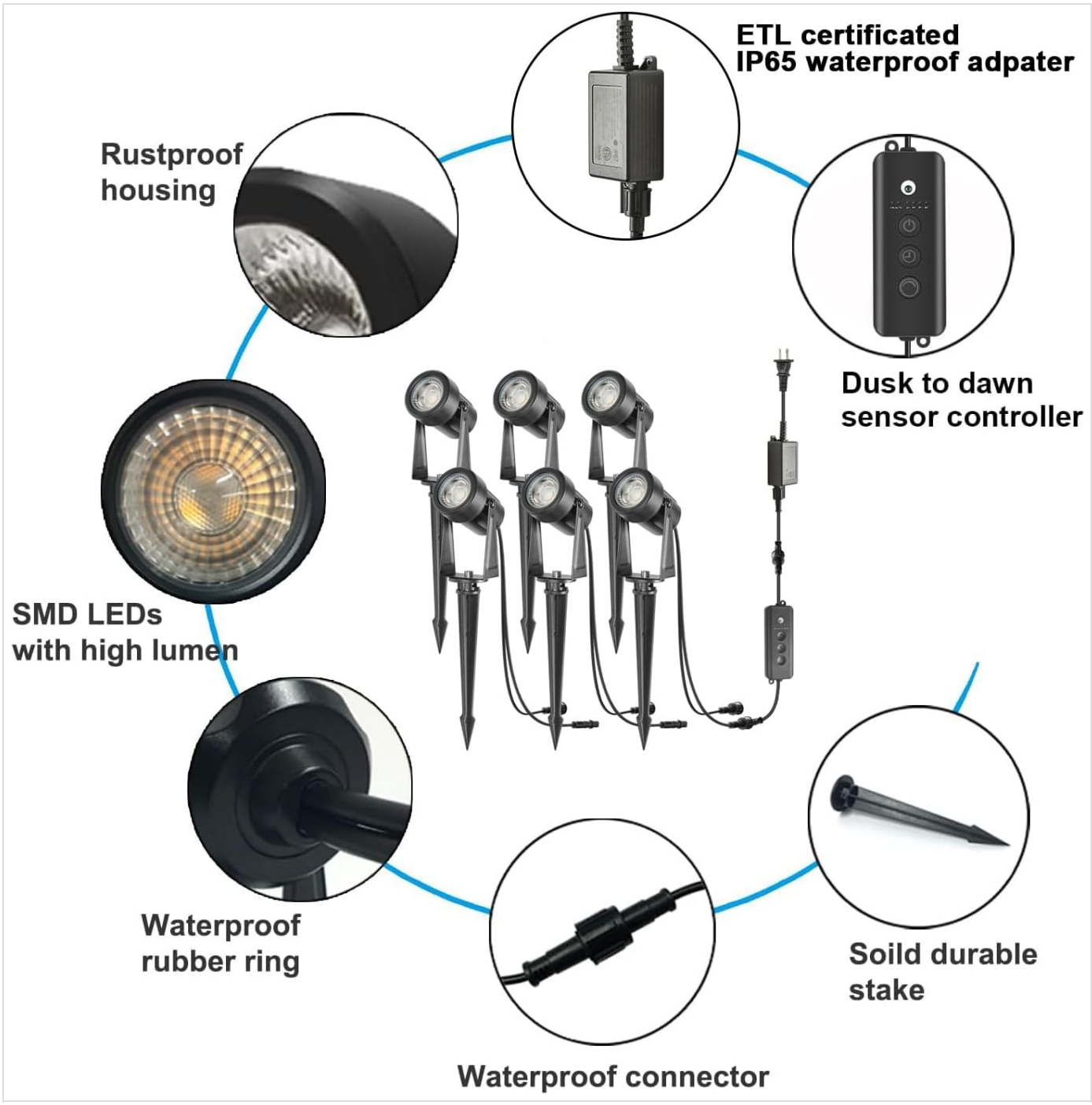


Image: Exploded view of a spotlight showing its waterproof features and internal LED components.

Specifications

Attribute	Value
Brand	SUNTHIN
Color	Warm White
Material	Plastic
Style	Modern
Light fixture form	Spotlight

Attribute	Value
Room Type	Garden
Product Dimensions	46"L x 1.7"W x 8.6"H
Specific Uses For Product	Yard Lighting, Garden Decoration, Pathway and Walkway Lighting, Security Lighting, Holiday Decorations, Illuminating trees, house, wall, flags, flower bed and landscape features
Indoor/Outdoor Usage	Outdoor
Power Source	Corded Electric
Installation Type	Insert the ground, mounted on wall
Special Feature	Dusk-to-Dawn Automation, Sensor Controller, Dimmable, Timer, IP65 Waterproof, Motion Sensor, Low Voltage, Connectable, Plug-and-Play Spotlights, Complete Kit
Control Method	Touch
Light Source Type	LED
Finish Type	Polished
Shade Material	Plastic
Number of Light Sources	6
Voltage	27 Volts (DC)
Theme	dusk dawn outdoor lighting, outdoor landscape lighting, low voltage landscape lighting, outdoor led spotlight, yard lights outdoor decor , tree lighting, landscape lighting, spotlight outdoor,plug landscape lights outdoor
Light Color	Warm White
Included Components	Spotlights× 6, IP65 Adapter × 1, Sensor Controller × 1, Manual × 1
Warranty Type	1 year manufacturer warranty from the date of purchase
Lighting Method	Adjustable
Number of Items	6
Wattage	18 watts
Bulb Base	GU10

Attribute	Value
Controller Type	Dusk-to-Dawn Automation
Switch Type	Toggle
Unit Count	6.0 Count
Water Resistance Level	Waterproof
Brightness	720 Lumen
Efficiency	High Efficiency
Mounting Type	Insert the ground, mounted on wall
Shade Color	Warm White
Fixture Type	Removable
Assembly Required	No
Manufacturer	SUNTHIN
Size	6 Pack
Recommended Uses For Product	Illuminating trees, house, wall, flags, flower bed and landscape features, garden, house, tree, flag, lawn, pathway, walkway, driveway, swimming pool area
Model Name	ST-FM-R092-6P
Part Number	ST-FM-R092-6P
Item Weight	3.1 pounds
Item model number	ST-FM-R092-6P
Finish types	Polished
Special Features	Dusk-to-Dawn Automation, Sensor Controller, Dimmable, Timer, IP65 Waterproof, Motion Sensor, Low Voltage, Connectable, Plug-and-Play Spotlights, Complete Kit
Batteries Included?	No
Batteries Required?	No
Color Temperature	2700 Kelvin
ASIN	B0D6YWB521

Attribute	Value
Customer Reviews	4.5 out of 5 stars (112 ratings)
Best Sellers Rank	#27,062 in Tools & Home Improvement, #89 in Landscape Spotlights
Date First Available	June 13, 2024

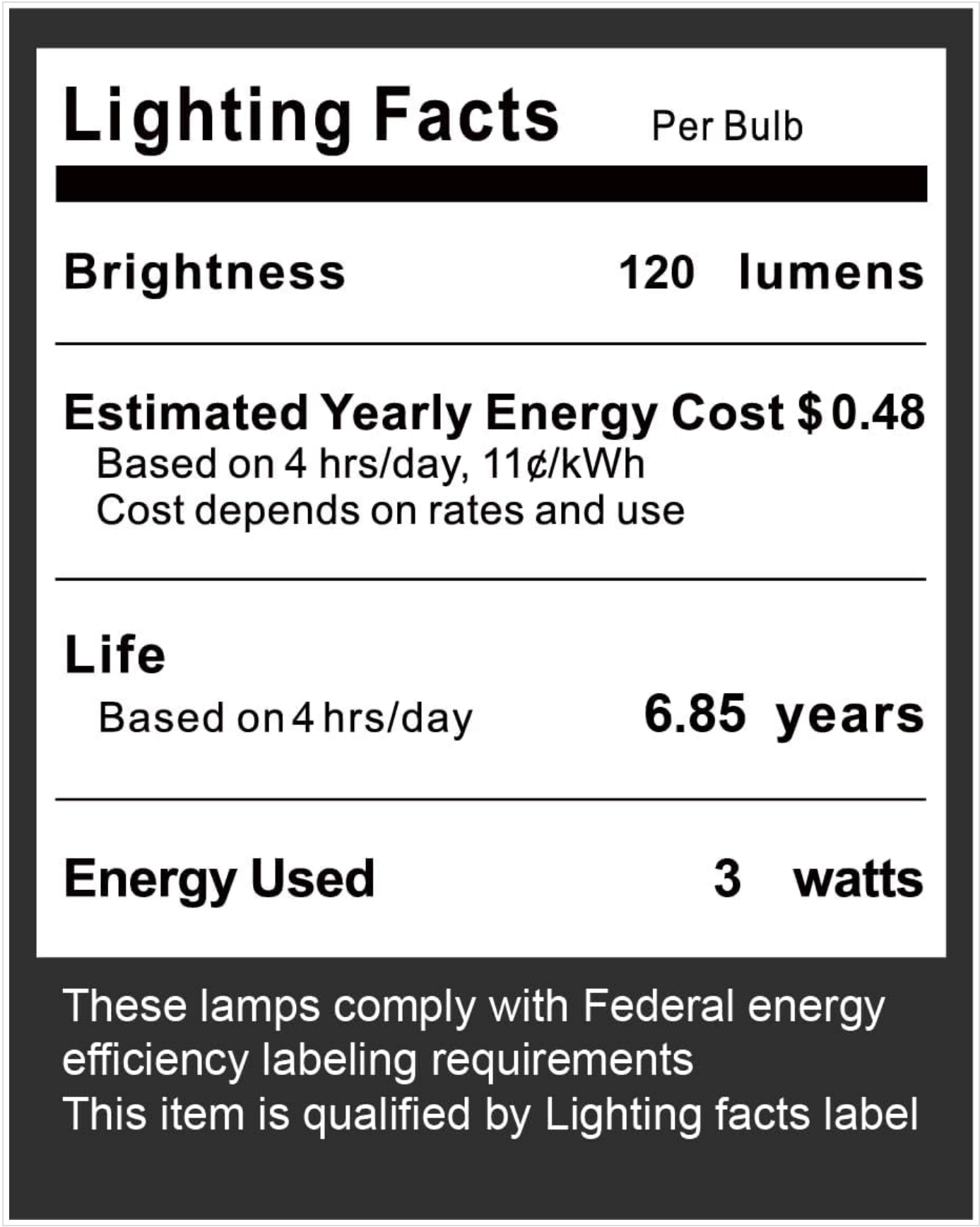


Image: Lighting Facts label providing energy consumption and lifespan details per bulb.

Maintenance

Proper maintenance will ensure the longevity and optimal performance of your SUNTHIN landscape lighting system.

- **Cleaning:** Periodically wipe down the spotlights and controller with a soft, damp cloth to remove dirt and debris. Ensure the power is disconnected before cleaning.

- **Connection Check:** Regularly inspect all cable connections to ensure they are secure and free from damage.
- **Sensor Area:** Keep the dusk-to-dawn sensor clear of obstructions (e.g., leaves, dirt) to ensure accurate light detection.

Troubleshooting

Problem	Possible Cause / Solution
Lights not turning on at dusk.	• Sensor obstructed: Ensure the sensor is clean and not blocked by objects or artificial light sources. • Power supply issue: Check if the power adapter is securely plugged in and receiving power. • Incorrect mode: Verify the controller is set to "Auto" mode.
Lights not turning off at dawn.	• Sensor obstructed: Ensure the sensor is clean and exposed to sufficient natural light. • Incorrect mode: Verify the controller is set to "Auto" mode.
Lights flickering or dim.	• Loose connection: Check all cable connections for tightness. • Brightness setting: Adjust the brightness level using the dimming button. • Power fluctuation: Ensure stable power supply.
Timer function not working.	• Timer not activated: Press the timer button to select a duration (2H, 4H, 6H, or 8H). • Power interruption: If power was lost, settings might need to be re-applied.

Warranty and Support

Warranty: The product comes with a 1-year manufacturer warranty from the date of purchase.
For any questions, technical support, or warranty claims, please contact SUNTHIN customer service. Refer to the contact information provided in your product packaging or visit the official SUNTHIN store on Amazon.
Optional Protection Plans: Additional protection plans are available for purchase:

- 3-Year Protection Plan
- 4-Year Protection Plan
- Complete Protect (monthly plan covering eligible past and future purchases)

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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