

Owner's Manual & Safety Instructions

Save This Manual Keep this manual for the safety warnings and precautions, assembly, operating, inspection, maintenance and cleaning procedures. Write the product's serial number in the back of the manual (or month and year of purchase if product has no number). Keep this manual and the receipt in a safe and dry place for future reference.

22e

luminar **OUTDOOR™**

58219

20 FT OUTDOOR SOLAR STRING LIGHTS



Visit our website at: <http://www.harborfreight.com>
Email our technical support at: productsupport@harborfreight.com






When unpacking, make sure that the product is intact and undamaged. If any parts are missing or broken, please call 1-888-866-5797 as soon as possible.

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No portion of this manual or any artwork contained herein may be reproduced in any shape or form without the express written consent of Harbor Freight Tools. Diagrams within this manual may not be drawn proportionally. Due to continuing improvements, actual product may differ slightly from the product described herein.
Tools required for assembly and service may not be included.

⚠ WARNING

Read this material before using this product.
Failure to do so can result in serious injury.
SAVE THIS MANUAL.

WARNING SYMBOLS AND DEFINITIONS

	This is the safety alert symbol. It is used to alert you to potential personal injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death.
	Indicates a hazardous situation which, if not avoided, will result in death or serious injury.
	Indicates a hazardous situation which, if not avoided, could result in death or serious injury.
	Indicates a hazardous situation which, if not avoided, could result in minor or moderate injury.
	Addresses practices not related to personal injury.

IMPORTANT SAFETY INSTRUCTIONS

When using electrical products, basic precautions shall always be followed including the following:

- 1. READ AND FOLLOW ALL SAFETY INSTRUCTIONS.**
- Do not use these products outdoors unless marked suitable for indoor and outdoor use.
- Do not mount or place near gas or electric heaters, fireplaces, candles or other similar sources of heat.
- Do not secure the wiring of the product with staples or nails, or place on sharp hooks or nails. Install only using the mounting means provided.
- Do not let lamps rest on the supply cord or on any wires.
- Do not use this product for other than its intended use.
- Do not hang objects from cord, wire, or light string.
- Do not close doors or windows on the product or extension cords as this may damage the wire insulation.
- Do not cover the product with cloth, paper or any material not part of the product when in use.
- Read and follow all instructions that are on the product or provided with the product.
- Contains Li-Ion battery. Battery must be recycled or disposed of properly. Do not open, crush, heat above 140° F or incinerate.

12. SAVE THESE INSTRUCTIONS

CAUTION

- To reduce the risk of fire use only type S lamps, .2W maximum.
- Use only with low voltage light bulbs.
- To reduce the risk of fire do not deliberately reposition either lampholder contact.



Model No. 58219

General Safety Instructions

1. Keep proper footing and balance at all times during installation.
2. People with pacemakers should consult their physician(s) before use. Electromagnetic fields in close proximity to heart pacemaker could cause pacemaker interference or pacemaker failure.
3. Use as intended only.
4. Maintain labels and nameplates on the String Light. These carry important safety information. If unreadable or missing, contact Harbor Freight Tools for a replacement.
5. The warnings, precautions, and instructions discussed in this instruction manual cannot cover all possible conditions and situations that may occur. It must be understood by the operator that common sense and caution are factors which cannot be built into this product, but must be supplied by the operator.



SAVE THESE INSTRUCTIONS.

SPECIFICATIONS

Battery Type	3.7V / 1500mAh Rechargeable Lithium
Solar Panel Input	5V / 0.2A / 1W
Single LED Bulb	3VDC / 0.1W

INSTALLING/REPLACING LED LIGHT BULBS



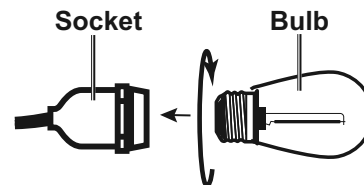
Read the **ENTIRE IMPORTANT SAFETY INSTRUCTIONS** section at the beginning of this manual including all text under subheadings therein before set up or use of this product.

Procedures not specifically explained in this manual must be performed only by a qualified technician.

WARNING

TO PREVENT SERIOUS INJURY: Unplug the String Light from the Solar Panel and allow it to cool before performing any procedure in this section. Do not replace light bulbs during rain or when wet.

1. Unscrew existing bulbs carefully, they should be tight to keep moisture out.
2. Replace with medium base .1 Watt LED light bulbs. Screw each bulb into socket clockwise until top of socket forms a tight seal around the light bulb and bulb makes solid contact with socket. See below. **Incorrectly installed bulbs will not seal correctly and can cause injury or death from electric shock.**

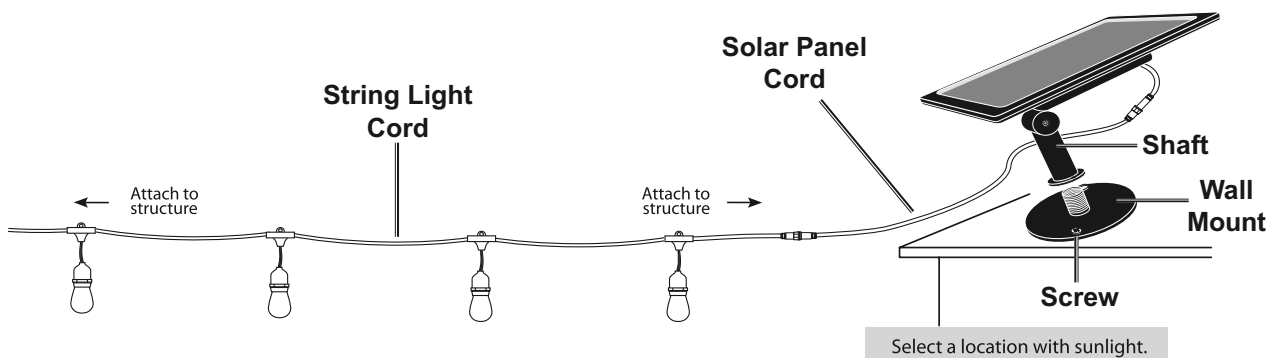


Installation

Note: Attachment hardware, such as hooks or nylon cable ties, is sold separately.

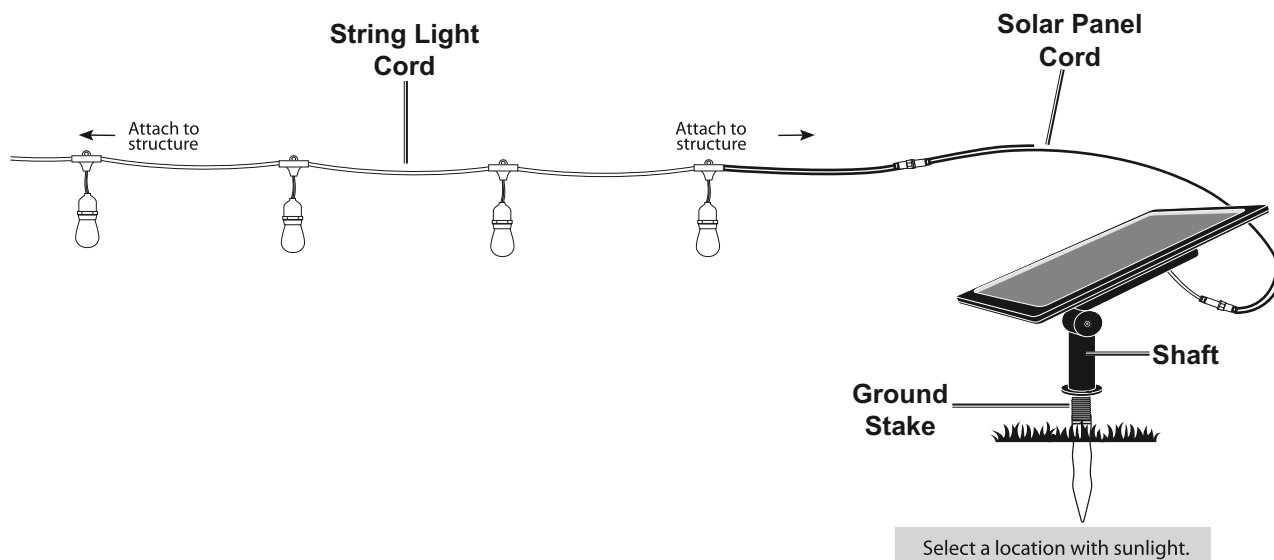
Installing Solar Panel on a solid surface

1. Choose a stable location that can safely hold the weight of the Solar Panel and receives full, direct sunlight a minimum of 8 hours a day.
2. Secure Wall Mount to surface using two screws.
3. Thread the panel shaft onto Wall Mount.
4. Adjust the position of the Solar Panel using the thumbscrew at the panel's base.



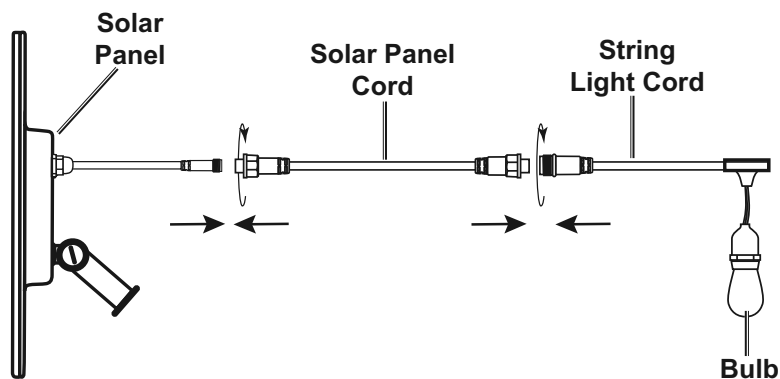
Installing Solar Panel in the ground

1. Decide where you want to place the Solar Panel. Choose a location that receives full, direct sunlight a minimum of 8 hours a day. The location should not be near nighttime light sources such as porch lights or streetlights as this will cause the panel to remain off.
2. Confirm that the location is clear of lines, cables and conduits.
3. With a rubber mallet (not included), tap the Ground Stake into the ground.
4. Thread the panel shaft onto Ground Stake.
5. Adjust the position of the Solar Panel using the thumbscrew at the panel's base.



Operating Solar Panel

1. Charge Solar Panel in direct sunlight for at least 6 hours.
2. After charging time has elapsed, connect String Light Cord to Solar Panel Cord, then connect Solar Panel Cord to Solar Panel.



3. Press Power button on back of Solar Panel to turn on.
4. Locate the Toggle Switch on the back of Solar Panel. Settings are as follows:
 - a. **Toggle Right - Auto On:** Lights turn on at dusk. Lights turn off either after 6 hours or at dawn.
 - b. **Toggle Left - Manual On:** Lights turn on immediately and will turn off when battery discharges. When battery discharges and is under sunlight, the battery will begin to charge. Switch to **Auto On** for the light to turn on at dusk.

Note: Lights will operate up to 6 hours with a full charge.
For optimal performance at night, Solar Panel should receive approximately 8 hours of sunlight per day.

Maintenance

1. Clean regularly with a damp towel.
Do not clean with solvent.
Do not put too much pressure on the Solar Panel or accessories while cleaning. Dry thoroughly.
2. **BEFORE EACH USE**, inspect the general condition of the tool. Check for:
 - leaking, swollen, or cracked battery,
 - loose hardware,
 - misalignment or binding of parts,
 - cracked or broken parts, and
 - any other condition that may affect its safe operation.
3. **AFTER USE**, wipe external surfaces of the tool with clean cloth.
4. Contains Li-Ion battery. Battery must be recycled or disposed of properly. Do not open, crush, heat above 140° F or incinerate. **BEFORE EACH USE**, inspect the general condition of the tool. Check for:
 - loose hardware,
 - damaged cord/electrical wiring,
 - cracked or broken parts, and
 - any other condition that may affect its safe operation.
5. To replace battery, open battery cover on back of Solar Panel using a screwdriver (not included), remove old battery, and replace with a new 3.7V, 1500mAh Li-Ion battery.

Record Product's Serial Number Here: _____

Note: If product has no serial number, record month and year of purchase instead.

Note: Replacement parts other than fuses are not available for this item. Reference UPC 193175434340.

Limited 90 Day Warranty

Harbor Freight Tools Co. makes every effort to assure that its products meet high quality and durability standards, and warrants to the original purchaser that this product is free from defects in materials and workmanship for the period of 90 days from the date of purchase. This warranty does not apply to damage due directly or indirectly, to misuse, abuse, negligence or accidents, repairs or alterations outside our facilities, criminal activity, improper installation, normal wear and tear, or to lack of maintenance. We shall in no event be liable for death, injuries to persons or property, or for incidental, contingent, special or consequential damages arising from the use of our product. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation of exclusion may not apply to you. This warranty is expressly in lieu of all other warranties, express or implied, including the warranties of merchantability and fitness.

To take advantage of this warranty, the product or part must be returned to us with transportation charges prepaid. Proof of purchase date and an explanation of the complaint must accompany the merchandise. If our inspection verifies the defect, we will either repair or replace the product at our election or we may elect to refund the purchase price if we cannot readily and quickly provide you with a replacement. We will return repaired products at our expense, but if we determine there is no defect, or that the defect resulted from causes not within the scope of our warranty, then you must bear the cost of returning the product.

This warranty gives you specific legal rights and you may also have other rights which vary from state to state.

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