

INSTALLING OR REPLACING LIGHT BULBS

WARNING - Risk of Electric Shock!

Disconnect power at source before replacing light bulbs. Never replace or install bulbs when rainy or wet.

- **Use only** 2 Watt maximum, AC, A19 style, E26 standard base, shatterproof **Norb STAR** brand LED light bulbs. Maximum of 8 consecutive strands, not to exceed 256 Watts total.
- **Do not overload:** Each light string is rated for 32 Watts, use only recommended 2W, AC, A19 style, E26 standard base bulbs.
- **Work from** a secure stable platform.
- **Work when** weather is calm and dry (no rain, ice or hail).
- **Do not** remove bulbs or inspect product unless disconnected from power source.
- **Do not** open or break bulbs—there are no serviceable parts inside.
- **Do not** operate product with missing bulbs and open sockets.
- **Removal:** While wearing thin gloves (for grip and safety) remove bulbs by lightly gripping socket in one hand and rotating bulb counterclockwise with other hand.
- **Replacement:** While wearing thin gloves, insert new bulb, screw bulb into socket, in clockwise motion, until snug and forming tight seal. Do not over tighten.
- **Original package includes two spare bulbs**, other bulbs available through NorbLighting.com.
- Use only on 120 volt, 60 Hz circuits.
- Questions? Call 877-554-4065 or email info@Norb-Light.com.

Lighting Facts Per Bulb

Brightness

40 lumens

Estimated Yearly Energy Cost

\$2.57*

*Based on 2 hrs/day, 11 cent per kWh. Cost depends on rates and use.

Life Based on 2hrs/day

20+ years

Light Appearance - Starlight-like

Warm

Cool

2700 K

Energy Used

32 Watts per light string (16 x 2 Watts per bulb)

Size - A19 2.25" W X 3" L, inserted, E26 standard base

Beam Angle - 360 degrees

40 Lumens - similar to a 2.6W incandescent bulb

Warranty - 2 years

TROUBLE SHOOTING

- **No lights come on:** Check wall and/or electrical box switch to insure circuit breaker and power are on. If using timer or photo eye controller, re-read product instructions and make sure product is set properly and working correctly.
- **Individual bulb(s) won't light:** **DISCONNECT FROM POWER**, and only after disconnecting from power, remove faulty bulb/s and check position of brass contact point at bottom of socket, which should be raised to appx. 20 degree angle to insure contact with bulb base. If necessary to raise the brass contact point, use a small flat bladed screwdriver to do so GENTLY and not repeatedly as to avoid breakage.

- **Bulb(s) burned out:** **DISCONNECT FROM POWER** (unplug from wall socket) and only after disconnected, remove affected bulb by gently gripping socket and turning bulb counter-clockwise. Replace lamps only with 120V 2 Watt, AC, **Norb STAR** bulbs, available from **NorbLighting.com**.
- **Product comes with two spare bulbs, others available from NorbLighting.com.**
- **NOTHING WORKING?** Please consult a certified electrician.

LIMITED WARRANTY

This product is warranted to be free from defects in workmanship and materials for up to 2 years from purchase date. If product fails during warranty period (provided failure was not the result of misuse, abuse or improper installation) original purchaser may return product (at own expense) with proof of purchase to **Norb Lighting, LLC, 14109 Cleveland St., Nunica MI 49448**. Or contact us via info@Norb-Light.com for assistance or replacement. REPLACEMENT OR REFUND REQUIRES PROOF OF PURCHASE AND REPLACEMENT IS YOUR SOLE REMEDY, EXCEPT TO THE EXTENT PROHIBITED BY APPLICABLE LAW; ANY IMPLIED WARRANTIES ARE LIMITED IN DURATION TO THE DURATION OF THIS WARRANTY. LIABILITY FOR INCIDENTAL OR CONSEQUENTIAL

DAMAGES IS HEREBY EXPRESSLY EXCLUDED. Some states and provinces do not allow the exclusion of incidental or consequential damages, therefore the above limitation or exclusion may not apply to you individually. This warranty gives you specific legal rights, but you may have other rights which vary from state to state or province.

- Use only on 120 volt, 60 Hz circuits.
- Questions? Call 877-554-4065 or email info@Norb-Light.com.

ID No: 904796 Model No: STAR-STRAND-A19-2W Made in China

FCC Compliance Statement

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

FCC WARNING

This equipment has been tested and found to comply with the limits for a Class B digital device pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio or television

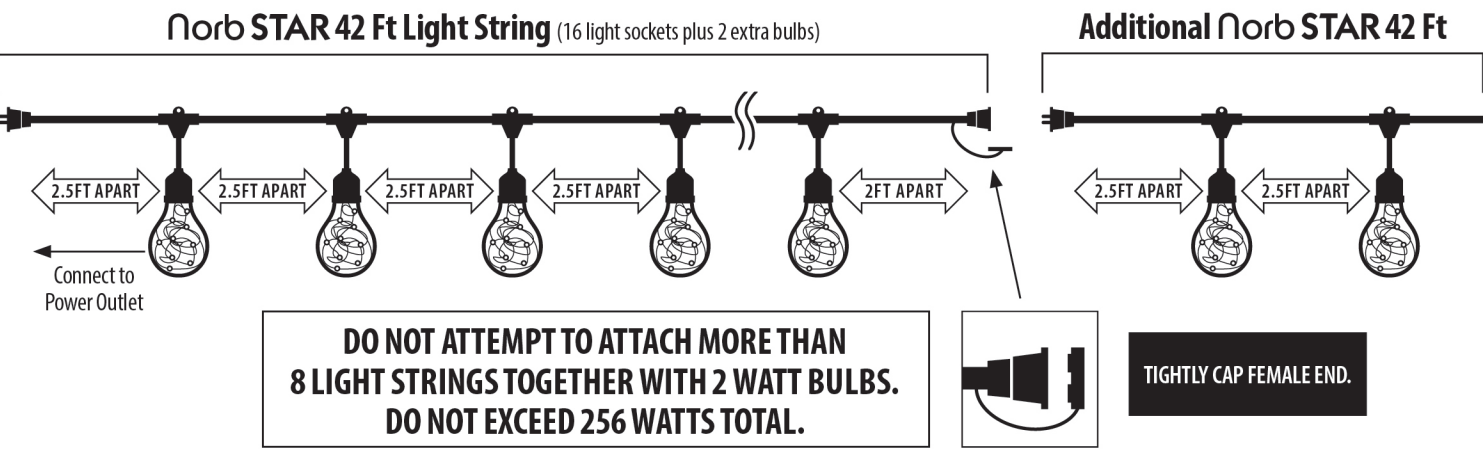
communications. Such interference can be determined by turning the equipment off and on. If this confirms that interference is caused by the device, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and the receiver.
- Connect the equipment into an outlet different from that to which the receiver is connected.
- Consult dealer or an experienced radio/TV technician for help.

Norb® STAR® Star-Filled™ String Light 42 Ft

Plug-in outdoor/indoor, waterproof/shatterproof LED string light—with 2 Watt AC, A19 style LED bulbs in Norb STAR Starlight Spectrum.™

- Dreamy star-filled™ glow is relaxing, peaceful and inspiring.
- For rec room, bedroom or dorm, patio, pergola, trellis, lanai, garage, business, bistro, restaurant, event center or campsite.
- For outdoor or indoor use.
- Flexible cord, commercial grade, pendant weatherproof patio string lights with shatterproof A19 style, E26 standard-base LED bulbs in **Norb STAR** Starlight Spectrum™.
- Can serve as a light canopy (indoor or outdoor) for weddings, reunions, birthdays and events.
- Easily installed with standard hooks, copper wire or heavy duty UV-resistant cable ties.
- Can be plugged in or controlled automatically by timer or dark-sensing switch (available separately).
- 42 feet long; 16 bulbs spaced 2 ½ feet apart (includes 2 spare bulbs).
- Connect up to 8 strands together (2 Watt AC bulbs), maximum of 256 Watts total. Do not exceed 256 Watts total.
- Easy to use standard 2-prong end plugs.
- Durable UL-listed, rubberized strands and light housings are flexible and long lasting, warranted for 2 years, and tolerant of the elements, heat, rain, sun and cold.
- Bulbs are low energy, high efficiency, 2 Watt, AC, polycarbonate A19 style, E26 standard base, copper strand LED bulbs.
- Entire strand uses only 32 Watts and can be run every day for 2 hours for an entire year for only \$ 2.57 in electric cost! Based on \$.11/KwHr energy cost.
- Norb Lighting is US based, service oriented and quality conscious.
- Works even if a bulb is burned out (so you know which one to tighten or replace).



Directions for Installation and Use

Read and follow ALL SAFETY INSTRUCTIONS before assembly, installation and use.

WARNING: When using electrical lighting products, basic safety precautions must always be followed to reduce risk of electric shock, fire and personal injury.

Retain instructions for future reference.



THE COSMIC LIGHT™
NorbLighting.com

Norb Lighting, LLC 14109 Cleveland Street, Nunica MI 49448 Email: info@Norb-Light.com NorbLighting.com

CAUTION: Risk of Shock and Fire

This is an electrical product with inherent risks! To avoid risk of burns, fire, personal injury or electrical shock, it must be used properly and kept out of reach of children. It is not a toy!

- Connect to Ground Fault Circuit Interrupter Outlet (GFCI) when used outdoors.
- USE ONLY 2 Watt AC bulbs.
- DO NOT EXCEED 2 Watts per bulb.
- DO NOT USE DC bulbs (use only 2 Watt AC LED bulbs with E26 standard base).
- Do not allow bulbs (lamps) to rest upon supply cord, electrical cord or any wire.
- Do not cover the light string or bulbs with paper, plastic, cloth or any other material.
- Do not remove bulbs or inspect product components unless disconnected from power source.
- Do not open bulbs—there are no serviceable parts inside.
- Do not operate product with missing bulbs or open sockets.
- Replace missing bulbs promptly (before further use).
- Do not place near electric or gas heater, candles, fireplace or any other heat or combustion source.
- Do not run cord or string through doors or windows, which upon closing could abrade or damage the wire coatings.
- Do not submerge in water or other liquid.
- Do not secure the wiring of this light string with sharp hooks, staples or nails.
- Do not use on trees unless living, fresh, hydrated, mechanically intact and secure against breaking or tipping with no contact between bulbs or sockets and branches or leaves.
- Do not use for marking emergency exits.
- Do not use within 16 feet of hot tubs, pools or spas or anywhere it might fall and become submersed in such liquid filled devices.

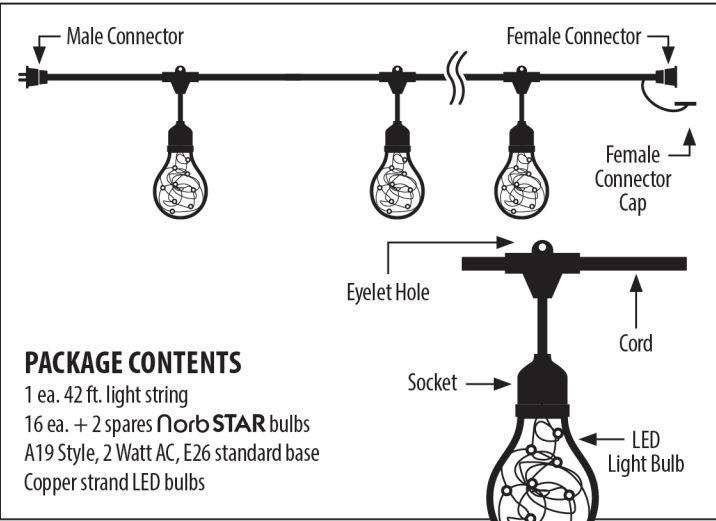
- Do not hang ornaments, clothing or any other object from cord, bulb, wire or any other part of extension cord or light string.
- Do not use where water can pool or accumulate near or around extension cord, bulbs, or either end of light string.
- Install only using the recommended means of mounting.
- Use only outdoor rated extension cords (if using outdoors). Look for “outdoor use” designation on packaging of extension cord.
- Unplug product when leaving vicinity or leaving unattended.
- Not designed for permanent installation—this is a seasonal use product.
- Use with compatible power source—product operates with 120V, 60Hz, maximum 32 Watts per light string. 8 strings maximum; do not exceed 256 Watts total.
- Insure that support object has sufficient structural capacity to support weight of light string and bulbs, even in high wind.
- Do not use product for other than its intended use.
- Exercise good sense, common sense and caution in accord with your intended use.
- If in doubt about the installation or application of this product, consult info@Norb-Light.com.
- If not installed and used per instructions, may cause excess heat or harmful interference to radio communications.

INSTALLATION: Warning

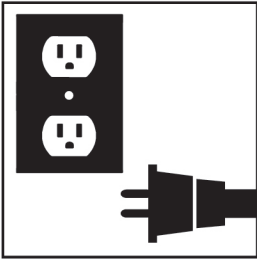
- Disconnect power at the source before installing or servicing this product.
- Tools needed for installation (not included) include safety glasses, ladder, supporting hardware (based on your setting which may include eyebolts, brackets, heavy duty UV resistant cable ties and/or guide wire), pliers, screwdriver and scissors are commonly employed. Typical set up and installation time is 20-30 minutes.

STEP 1: INSPECT Carefully remove components from packaging and lay them out on a smooth work-surface. Carefully uncoil light string. Inspect all aspects of product carefully. Return product to manufacturer if any part of the light string, cord, or plug is cut, damaged, cracked, frayed or if any plug or lamp-socket is damaged or loosened, or any wire is exposed. Damaged or cut wire insulation or coating could result in serious injury or death from electric shock.

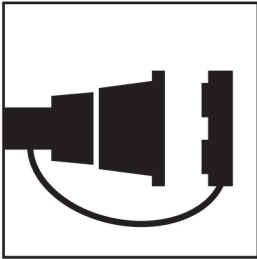
NOTE: If any part is missing, do not attempt to assemble and use. Contact Norb Lighting info@Norb-Light.com for shipment of missing part.



STEP 2: ASSEMBLE With light string un-plugged (no power), insert provided A19 Bulbs into each socket and gently tighten clockwise until fully seated in rubber seal. Do not over tighten.



STEP 3: TEST Plug the male end of the light string into proper power outlet and check each bulb to see that it is lit up. If not working, **DISCONNECT FROM POWER**, then try the following...



Adjust tension on bulb, or try spare bulb. If this doesn't work, then **DISCONNECT FROM POWER**, and only after disconnecting from power, remove faulty bulb/s and check position of brass contact point at bottom of socket, which should be raised to appx. 20 degree angle to insure contact with bulb base. If necessary to raise the brass terminal, use a small flat bladed screwdriver to do so, GENTLY and not repeatedly, as to avoid breakage. After adjusting, insert bulb, then plug in power cord and see if the bulb lights. If this doesn't work then... **DISCONNECT FROM POWER**, and insert new spare bulb. Then, plug in power cord and see if it lights.

During Testing: **DO NOT LEAVE UNATTENDED.**

MAKE SURE TO INSERT END CAP into the female end of the light string.

See next page for STEPS 4 & 5.

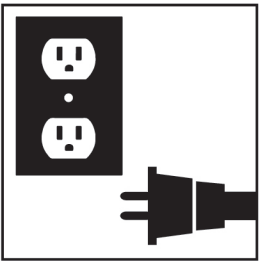
INSTALLATION: Warning *continued.*

STEP 4: INSTALL WITH LIGHT STRING UN-PLUGGED (no power) attach “eyelet holes” to supporting structure or guide wire using smooth surfaced fasteners such as 12 gauge copper wire, eyebolts, brackets (not included), or heavy duty uv resistant cable ties.

NOTE: maximum unsupported distance is 20 feet.

NOTE: use only appropriately rated guide wire (cable) for spans beyond 20 feet.

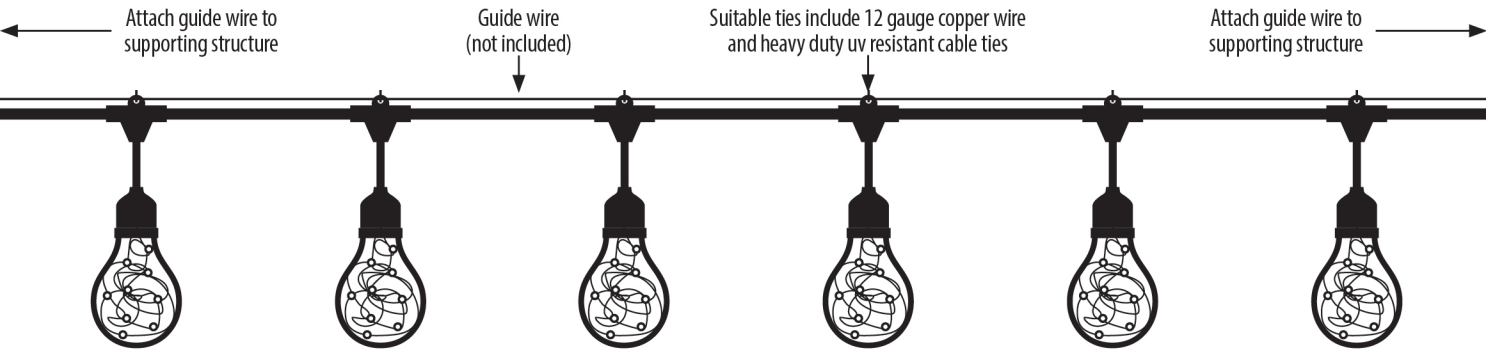
NOTE: light sockets must hang downward, not sideways or upward. This is to prevent water from getting in the socket.



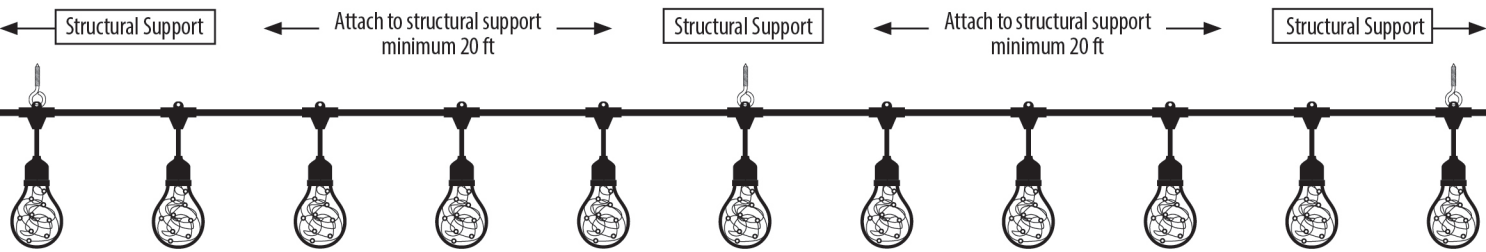
NOTE: light sockets must be a minimum of 3 inches from any object—this is a fire prevention measure.

STEP 5: OPERATE Finally plug male end of light string into proper power outlet and re-check each bulb to see that it is lit up. If not, **DISCONNECT POWER** and adjust tension on bulb, or try spare bulb.

Installation Method A: Using a guide wire with ties (not included).



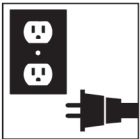
Installation Method B: Attach to a structure.



ROUTINE MAINTENANCE

- Regularly inspect condition of fasteners and fix or replace if showing wear or insecure attachment or support.
- Regularly inspect light bulbs and replace if burned out or broken—after unplugging (disconnecting power source). Replace only with Norb STAR 2W AC standard E26 base LED bulbs.
- Regularly inspect condition of light string and power cord. If light string, sockets or any other aspect of light string or power cord are showing signs of abrasion or wear and tear, then discontinue use and properly dispose of.

CONNECTING LIGHT STRINGS FROM END TO END



- CAUTION: Do not OVERLOAD CAPACITY: maximum of 8 identical strings. DO NOT EXCEED 256 WATTS maximum.
- Do not intermix with other model, type or brand light string.
- UNPLUG from power source all light strings before connecting additional light strings.



- CONNECT light strings together by inserting male plug (connector) into female plug (connector).
- NOTE: make sure that the very last light string has the cover inserted into female end.

DISCONNECTING & STORING STRING LIGHTS: Warning

- Carefully remove product from its support including trees, branches, or bushes in order to avoid any undue strain or stress on the product conductors, connections, and wires. Neatly wrap product and store in cool dry place protected from sunlight.
- When ready to reuse: FOLLOW THE SAME STEPS AS FOR INSTALLATION (SEE ABOVE).