

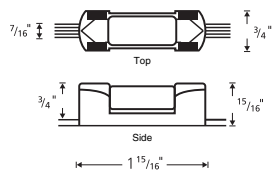
IMPORTANT

The following instructions are provided to assure safe installation and operation of Brite Strip. Please read carefully before connecting or installing Brite Strip.

- Brite Strip is presently Engineer Testing Laboratories (ETL) listed for indoor and protected outdoor locations ("dry locations").
- Do not mount or support Brite Strip in a manner that can cut the outer jacket or damage wire insulation.
- Always make sure power is disconnected from Brite Strip before cutting, mounting, attaching terminal block, attaching end cap, or modifying in any way.
- Do not mount in a manner that the bulbs have a clearance of less than the minimum outlined in this instruction manual.
- Do not exceed 480 watts per single run in a 24 volt configuration. Do not exceed 240 watts per single run in a 12 volt configuration.
- These products may represent a possible shock or fire hazard if improperly installed or attached in any way. Products should be installed in accordance with the owner's manual, current local codes, and/or the current National Electrical Code (NEC).

● SPECIFICATIONS:

- 2, 3, or 4 bulbs per foot configuration
- 12V, or 24V power source required (AC or DC)
- 5 watt or 10 watt incandescent (12V or 24V), 5 watt or 10 watt Xenon (12V or 24V) festoon bulbs, 20 watt halogen (12V or 24V) MR-11 bulbs
- Maximum total wattage per run is 480 watts (24V), 240 watts (12V)
- Totally parallel wired



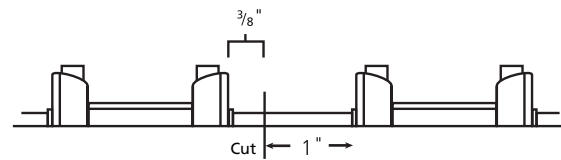
CUTTING BRITE STRIP

1. Always make sure Brite Strip is disconnected from power source before cutting.
2. Determine which voltage and wattage bulb you will be using. Cut in runs of maximum number of bulb sockets per the following table.

	24V	12V
Incandescent/Xenon 5 watt	96	48
Incandescent/Xenon 10 watt	48	24
Halogen MR-11 20 watt	24	12

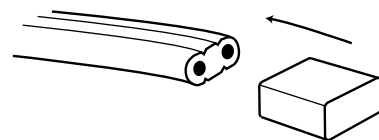
Remember, in any case, do not exceed single runs of 480 watts for 24 volt installations, or 240 watts for 12 volt installations.

3. Utilizing a good pair of shears, cut Brite Strip between appropriate bulb sockets. You will need at least 1" of wire to attach terminal block and junction box. You will need at least 3/8" of wire to attach the end cap. There is ample wire between bulb sockets in the BL-2 (2 sockets per foot) and BL-3 (3 sockets per foot) to provide 1 3/8" of wire. You will have to sacrifice one bulb socket to acquire 1 3/8" of wire in the BL-4 (4 sockets per foot) design.



ATTACHING END CAP

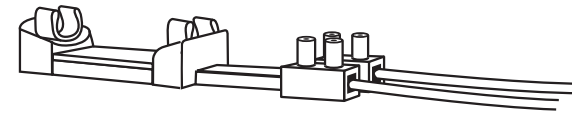
1. Push BL-003 end cap onto 3/8" cut from above so that end cap is snug.



BL-003

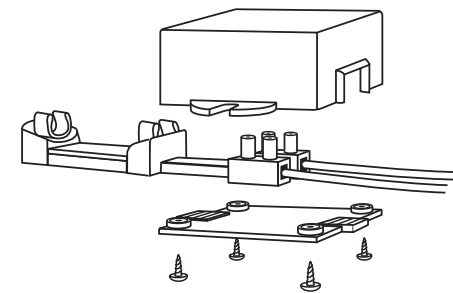
ATTACHING POWER CONNECTOR

1. Assure both Brite Strip run and 12 gauge power feed are without power.
2. Strip insulation back 1/16" on both Brite Strip lead and 12 gauge power feed leads.
3. Place stripped Brite Strip leads into one side of LW-1 terminal block connector. Tighten screws on top of LW-1 connector into Brite Strip leads.
4. Place stripped 12 gauge power feed leads into other side of LW-1 connector. Tighten screws on top of LW-1 connector into power feed leads.



ATTACHING JUNCTION BOX

1. In order to meet ETL, and NEC code, each LW-1 connector must be placed in an approved junction box with strain relief (BL-JB or other ETL listed box).
2. Assure power is removed from power feed and connector.
3. Place Brite Strip connection assembly into top of BL-JB junction box.

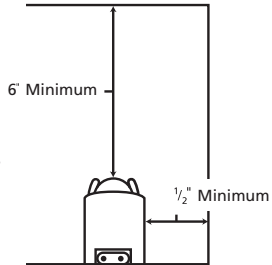


4. Assure entire LW-1 connector assembly fits into junction box and enclose with BL-JB bottom. Tighten four junction box screws through bottom into top of BL-JB.

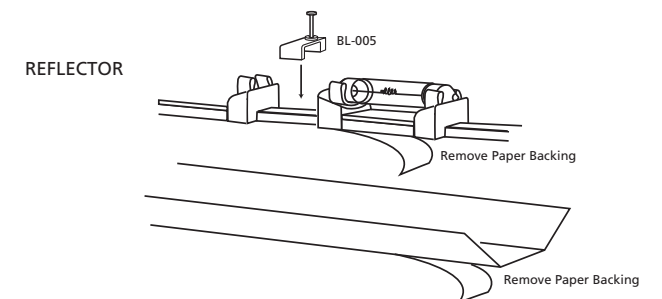
MOUNTING BRITE STRIP

1. Always make sure power is disconnected before modifying, mounting, or installing a section of Brite Strip.

2. Do not mount Brite Strip in a situation that does not have at least 1/2" clearance on the side of the fixture, and 6" clearance above the bulb. Make sure area is well ventilated to dissipate bulb heat. Wall or cabinet mount only.

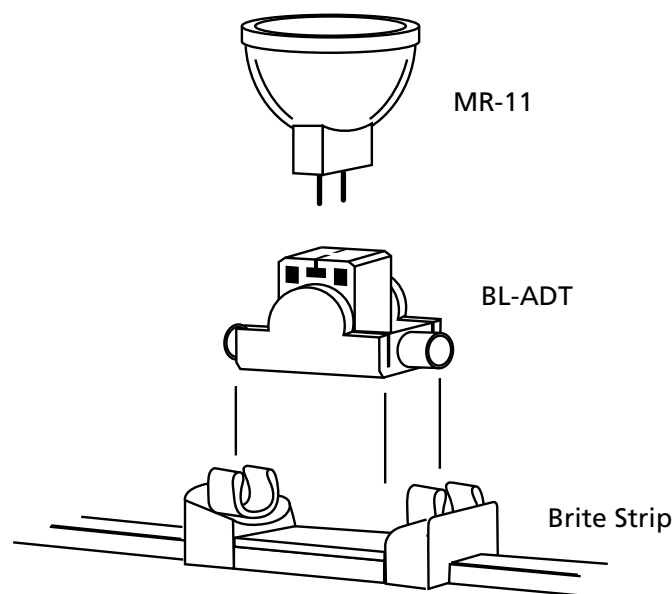


3. Maximum wattage per run is 480 watts (24V), or 240 watts (12V). Sum the number of bulbs and respective wattage to assure you do not exceed this.
4. In most applications you simply have to clean mounting surface, remove paper backing from double-sided tape on bottom of each socket, and attach Brite Strip socket-by-socket to mounting surface.
5. In situations where Brite Strip is continually mounted with bulbs facing down, we suggest both affixing with double-sided tape as per above, and using BL-005 mounting clips every 12".
6. In applications utilizing BLF reflector, or BLFAS fascia extrusion, follow steps #1, #2, and #3 above. Clean both the mounting surface and the extrusion for good adhesion of double-sided tape. Remove paper backing on the double-sided tape from bottom of extrusion. Attach extrusion to mounting surface by firmly pressing extrusion onto mounting surface. Remove paper backing from double-sided tape on Brite Strip sockets. Attach Brite Strip by firmly pressing sockets onto extrusion.



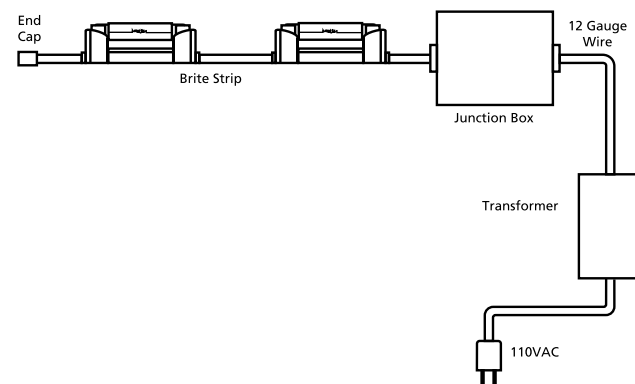
INSTALLING BULBS

1. Assure power is disconnected from Brite Strip.
2. For festoon bulbs, check that filament is in operable condition. Push individual bulbs into open connection of each socket.
3. For halogen MR-11 bulbs you must utilize the BL-ADT adapter. Push BL-ADT adapter into open connection of each socket. Check MR-11 is no more than 20 watts and in operable condition. Match pins of MR-11 bulb to slots in BL-ADT and push into adapter.
4. Recheck bulb clearances of ½" minimum side bulb clearance and 6" top bulb clearance.



POWERING BRITE STRIP

1. Check to see that each single run has a terminal block, end cap, and junction box attached.
2. Check to assure transformer has proper secondary voltage of 24 volts or 12 volts and proper wattage rating (i.e., 480 watts for a 24V Brite Strip run), and circuit breaker on the secondary side.
3. Run 12 gauge lead wire from Brite Strip to transformer. Check all connections and clearances. Plug or wire transformer into 110 volt.
4. This product may represent a possible shock or fire hazard if improperly installed. Install in accordance with current local codes, and/or the current National Electric Code.



Our 12 gauge lead wire (LW-12G/WH/BK) **IS NOT** UL Listed for use interior to any wall, or attic, or outside building use. A UL Listed Romex type product is normally accepted for lead wire interior to walls or attics in residential locations. Commercial applications are generally more restrictive.

This lead wire **IS** normally acceptable for interior use, external to walls and attics, including cabinet sections accessible without the use of a tool in residential locations.

MAXIMUM LOAD OF 20 AMPS
CONSULT YOUR LOCAL BUILDING CODE & THE CURRENT NEC.

ACCESSORIES

FESTOON BULBS

BL-24-5W	Incandescent, 24V, 5 Watt*
BL-12-5W	Incandescent, 12V, 5 Watt*
BL-24-10W	Incandescent, 24V, 10 Watt*
BL-12-10W	Incandescent, 12V, 10 Watt*
BLX-24-5W	Xenon, 24V, 5 Watt*
BLX-12-5W	Xenon, 12V, 5 Watt*
BLX-24-10W	Xenon, 24V, 10 Watt*
BLX-12-10W	Xenon, 12V, 10 Watt*

*Also available in frosted bulb

HMT-20W Halogen, MR-11 design, 20 watt

BL-ADT Adapter. Required to mount halogen MR-11 bulb into Brite Strip sockets

LW-12G/WH LW-12G/BK 12 Gauge Lead Wire. To be used from Brite Strip to transformer.

BL-005/WH BL-005/BK Brite Strip Nail Clips (30 per bag)

BL-001/WH BL-001/BK Connector Assembly Kit: Brite Strip Terminal Block, Junction Box, and End Cap

BLF Brite Strip Reflector

BLFAS Brite Strip Fascia Extrusion

WH = White
 BK = Black

INSTALLATION INSTRUCTIONS

BRITE STRIP

THE BRIGHTEST LOW-VOLTAGE LIGHTING SOLUTION AVAILABLE!



The "snap-in" choice for a high output linear light fixture. Versatile design accommodates both festoon incandescent and Xenon bulbs, and halogen MR-11s. Parallel wiring, flexibility, and field cutability make Brite Strip the professional's choice for coves, display cases, under cabinet lighting, shelf lighting, architectural accents, and much more.

It's our brightest idea for flexible linear lighting.

NSL
 ARCHITECTURAL AND DECORATIVE LIGHTING
 www.nslusa.com

