Up to 12W Transformer/Lead Cable Installation

Be sure not to exceed the maximum wattage for the transformer used.

1. Attach the Transformer

Plug directly into GFI protected outlet with supplied cord. DO NOT USE AN EXTENSION CORD! Mount the transformer where it is protected from water.

2. Dimmer (Control Option 1)

The Dimmer is controlled by a smart phone app available for both Apple and Android. Simply turn on or off, set on/off times, dim lights and more from your phone.

3a. Photocell (Control Option 2)

The Photocell control uses the light to turn on/off the lighting system.

3b. Photocell/10' Extension

The 10 extension is used before the Photocell, if neccessary, to get the Photocell to the best position. It is best to have the Photocell exposed to direct sunlight.

4. 20' Direct Cable

This 20' direct cable will connect to the first light in the lighting system. This is only used with the "up to 12W" system.

5. Daisy Chain

The daisy chain system allows for one light to be plugged into the next.

6. 2-Way Splitter

Use the 2-way splitter to attach lights in multiple directions.

13-36W Transformer/Lead Cable Installation

Be sure not to exceed the maximum wattage for the transformer used.

1. Attach the Transformer

Plug directly into GFI protected outlet with supplied cord. DO NOT USE AN EXTENSION CORD! Mount the transformer where it is protected from water.

2. Dimmer (Control Option 1)

The Dimmer is controlled by a smart phone app available for both Apple and Android. Simply turn on or off, set on/off times, dim lights and more from your phone.

3a. Photocell (Control Option 2)

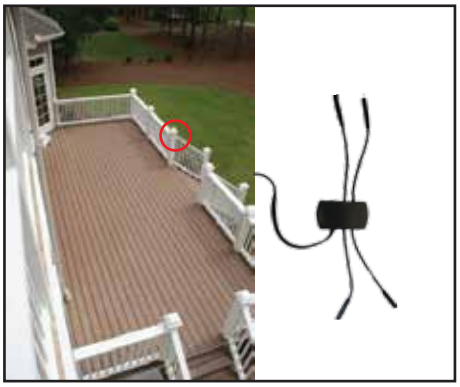
The Photocell control uses the light to turn on/off the lighting system.

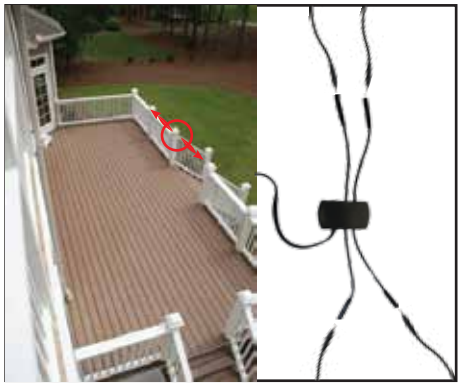
3b. Photocell/10' Extension

The 10 extension is used before the Photocell, if neccessary, to get the Photocell to the best position. It is best to have the Photocell exposed to direct sunlight.

4a. 20' Direct Cable with Junction Box

Locate this 20' direct cable with junction box near the middle of the jobto minimize wattage. This is only used with the "13-36W" system.





4b. Junction Box

Daisy chain light to light from this centrally located Junction Box. Be sure to NOT exceed 12W per wire or 36W per junction Box

5. Daisy Chain

The daisy chain system allows for one light to be plugged into the next.

6. 2-Way Splitter

Use the 2-way splitter to attach lights in multiple directions..

Post Lights Installation

Be sure not to exceed the maximum wattage for the transformer used.

1. Post Lights
Use the same installation procedure for both regular post light and slim post lights.

2. Wires
There are two wires under the light. One to connect to the last component and one to connect to the next one.

3. Connect
Plug the male end into the female end of the last component installed.

4. Install
After connecting the appropriate wires, the post light can be installed to the post. Make sure no wires are pinched during installation.

5. Complete

Post Light 12v LED Post Cap Frosted Lens Inserts

Installation Guide

1. Remove Post Cap Top by popping locking pins out of Post Cap assembly (Fig. 1).
2. Remove glass retaining ring and set it aside (Fig. 2).
3. Carefully slide clear lens inserts out (Fig. 2) and replace with frosted lens inserts (Fig. 3).
4. Reinsert glass retaining ring.
5. Attach Post Cap Top making sure to align locking pins.

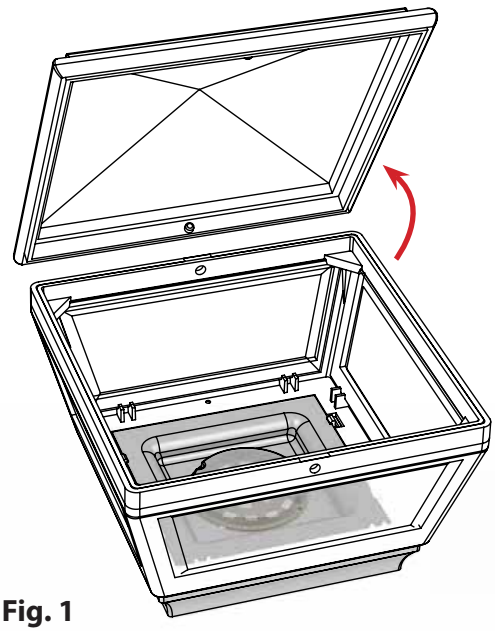


Fig. 1

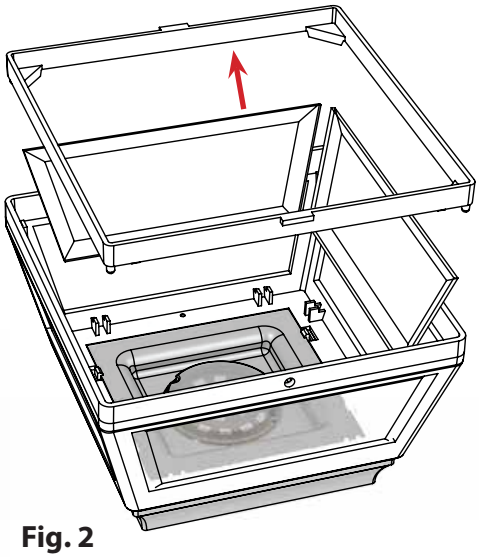


Fig. 2

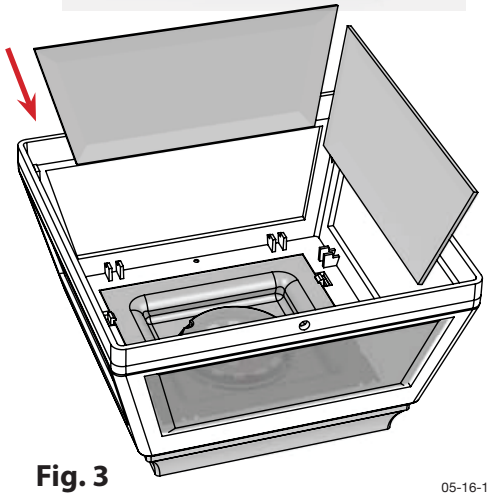


Fig. 3

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It is the responsibility of the installer to meet or exceed all code and safety requirements, and to obtain all required building permits. These instructions are only a guide and may not address every circumstance. The deck and railing installer should determine and implement appropriate installation techniques for each situation. **The manufacturer shall not be held liable for improper or unsafe installations.**

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Round Sconce Installation

LVX234SC

Be sure not to exceed the maximum wattage for the transformer used.

1. Drill Top Screw
Mark the position for the first screw hole. Using a 1/8" drill bit, drill top screw hole.

2. Mark
5/8" below the top screw hole, mark position for the wire hole.

3. Drill Wire Hole
Using a 3/8" drill bit, drill the hole for the wires.

4. Wires
Feed both wires through the 3/8" hole and pull up through top of post for easy access when making connection.

5. Top Screw
BE SURE THE ARROW ON SCONCE IS POINTING UP!
Now install top screw, using one of the screws provided.

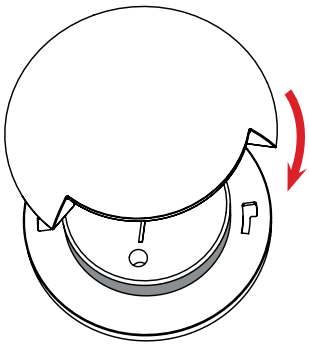
6. Drill Bottom Screw
Make sure that the screw holes line up vertically. Now using the 1/8" drill bit, drill the bottom hole through the sconces bottom hole.

Continued on Next Page

Round Sconce Installation

LVX234SC | **Be sure not to exceed the maximum wattage for the transformer used.**

7. Bottom Screw
Now install bottom screw, using one of the screws provided.



8. Cover
To replace cover, insert tabs on the cover into the slots on the sconce. While applying pressure to the cover, rotate cover clockwise

9. Complete
This is what the round sconce will look like installed.

10. Connect
Using the wires you pulled through the top of the post, find the female end from the last connection of the daisy chain, and plug the male end of the sconce into the female end.

Oval Sconce Installation

LVXOVSC

Be sure not to exceed the maximum wattage for the transformer used.

1. Top Screw
Mark the position for the top screw. Using a 1/8" bit, drill the top screw hole.

2. Bottom Screw
5/15" below the top screw hole, you can drill the bottom screw hole using the same 1/8" bit.

3. Drill Wire Hole
Using a 7/16" drill bit, drill the hole for the wires 3/4" below the top screw hole.

4. Bracket
Using the provided bracket and screws, attach the bracket with the tab pointing in an upwright position, creating a tab. As shown. This tab will slide into the back of the sconce. See Insert.

5. Feed The Wires
Feed the wires into the wire hole, and direct them up and out of the post for easy connection later.

6. Attach The Sconce
Press the sconce against the post while also sliding the sconce in a downward motion. You will feel the sconce attach to the bracket.

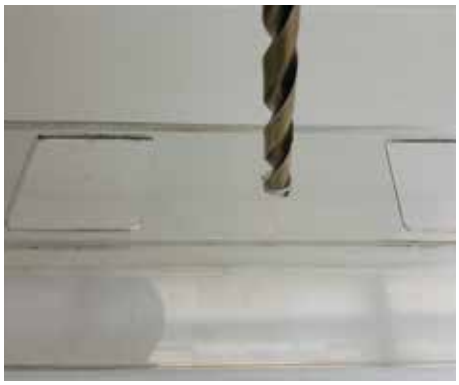
7. Connect
Plug the male end of the Sconce into the female end of the last component installed.

8. Complete

Star Bright Pin Light Installation

LVX38MINI

Be sure not to exceed the maximum wattage for the transformer used.



1. Drill
Drill a 11/32" hole for inserting the LED light flush to the rail.

2. Grommet
Remove the grommet completely from the wires.

3. Slide
Slide wires through 11/32" hole pushing the LED light flush.

4. Grommet Replacement
Pull the wires out through the routed holes next to the 11/32" hole.
Slide grommet over both wires and push it up to the silver of the light.

5. Reach In

6. Daisy Chain
The daisy chain system allows for one light to be plugged into the next. Connect this light with other Star Brights or run it through a hole in the post to continue the daisy chain to the next rail section.

Star Bright Stair Riser Installation

LVX125SRBK

Be sure not to exceed the maximum wattage for the transformer used.

1. Drill
Using a 15/16" drill bit, drill the hole for the light through the riser.

2. Feed The Wire
Feed the wire through the riser to connect later.

3. Press
You will need to apply pressure to install the light. It will be a snug fit.

4. Attach
The light will be flush with the riser for the finished look.

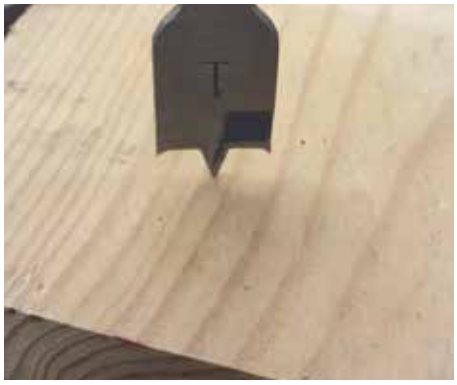
5. Connect
Plug the male end into the female end of the last component installed.

6. Complete

Star Max Deck Light Installation

LVX125MAX

Be sure not to exceed the maximum wattage for the transformer used.



1a. Solid Boards
When drilling your hole into a solid board, use a 1" spade drill bit as shown. Do not drill into the substructure.

1b. Hollow Boards
When drilling your hole into a hollow board, use a 15/16" drill bit as shown. Do not drill into the substructure.

2. Accent Collar
An accent collar is provided. Place the collar over the hole.

3. Feed The Wires
Feed the wires into the wire hole.

4. Press
Press the light firmly into the hole until the flange touches the surface of the board.

5. Connect
Plug the male end into the female end of the last component installed.

6. Complete

24” Strip Light Installation

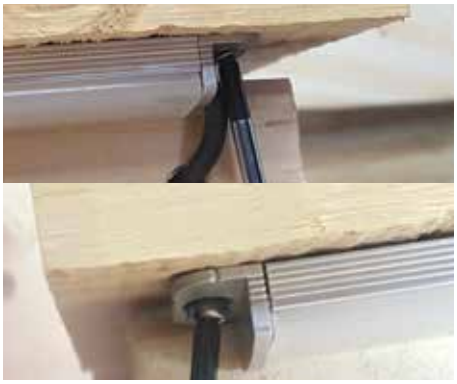
LVX2STRIP

Be sure not to exceed the maximum wattage for the transformer used.

1. Placement
The 24” Strip Light is to be installed under the step lip shining down onto the step below.

2. Drill Wire Hole
Using a 5/16” drill bit, drill the hole for the wires through the riser just below where the light will be installed.

3. Feed The Wire
Feed the wire through the riser to connect later.



4. Attach
Using the provided screws, attach the light under the lip/overhang at both ends.

5. Connect
Plug the male end into the female end of the last component installed.

6. Complete

24” Strip Light only has one wire (male end). Use a 2 to 1 splitter if not at the end of the daisy chain.

7. Alternate Support
If you feel the light needs more support, there is a middle bracket included with an extra screw. Attach under the lip before you attach the light. The open side of the bracket needs to be pointing downward.

8. Support
Here you can see where the bracket is attached.

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12V LED 2 to 1 Connector Cable Installation Guide

1. Connects 2 - 12V LED components into 1 female connector, **be sure not to exceed the maximum wattage (15W) of the connector box or of the suppling transformer.**

2. Plug the male end of the 2 to 1 splitter into the female end of the last component installed.

3. Plug male ends of desired components (Flush Pin, Post Light, Post Sconce, etc.) into female ends of 2 to1splitter.

12V LED Wattage Calculator Worksheet

Be sure not to exceed the maximum wattage for the transformer used.

Average Deck Light Package

Item Key	Description	Wattage (X)	Qty. Needed (=)	Total Watts
See Catalog	4" and 5" Low Voltage Post Lights	1.73W		
See Catalog	4" and 5" Low Voltage Slim Post Lights	1.73W		
LVX25PL	Low Voltage Light For Metal Post	1.08W		
LVX234SC	Round Sconce	0.58W		
LVXOVSC	Oval Sconce	0.36W		
LVX38MINI	Star Bright Flush Mount Pin Light	0.30W		
LVX125SRBK	Star Bright Stair Riser	0.26W		
LVX125MAX	Star Max Deck Light	0.24W		
LVX2STRIP	24" Strip Light	1.40W		
TRANSFORMERS				
LVX36WTRDC	36 Watt Transformer (Use with low votage light packages up to 36W)	0.00W		
LV120TRANSA	120 Watt Transformer (Use with low votage light packages from 37W to 120W)	0.00W		
CONTROLS				
LVX36WDIMAP	Dimmer Control	0.00W		
LVX36WPCS	Photocell Control	0.00W		
CABLES				
LVX36W20DC	18 GA Lead Cable - Under 12W for 36W Transformer	0.00W		
LVX36W20JB	18 GA Lead Cable - 12W - 36W for 36W Transformer (Junction Box)	0.00W		
LVX36W10EXT	10' Extension Cable	0.00W		
LVX3EXT	36" Extension Cable	0.00W		
LVX9EXT	108" Extension Cable	0.00W		
LVXSPLIT	2 to 1 Splitter	0.00W		
EXTRA				
LVX4CON	4 Outlet Junction Box	0.00W		
LV100WR	16 GA Wiring (for 121W Transformer)	0.00W		

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