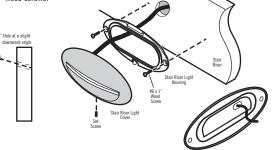
Installing Post Mounted Accent Light

Accent Light wire channel must be routed during the installation of the Post Sleeve. The Post Sleeve and the wood post must be prepared in advance to accommodate installation of the Accent Light. (No post preparation is necessary for the 5" and 5 ½" Post Sleeves.) If using the 4" Post Sleeve, prepare the wood post by routing a 1/4" wide by 1/4" deep wire channel up the center of If Using the 4 rust sheeve, prepare the mood post by routing a bit includes y and the post on the face where the Accent Light will be mounted. For main cable, slightly bevel the corner of the 4x4 post. 1 fa Post Skirt is used, install it over the wood post before installing the Post Sleeve. You will not be able to install Post Skirt after Post Sleeve and Accent Light are in place 3 Remove Accent Light Cover from Accent Light Back Plate by loosening Set Screw located at bottom of Accent Light Cover. Prepare the Post Sleeve in the following manner: • Cut the Post Sleeve to the desired length. • Determine the height the Accent Light will be mounted. . Mark the location of the wire hole and the mounting screw holes using the template provided on the instructions that come with the product. • Drill a 3/8" hole for the wire and drill two 7/64" holes for the mounting screws. (5) Route the Accent Light wire through the Back Plate then through the wire hole in the Post Sleeve then invert the Post Sleeve and allow the wire to extend out the top end of the Post Sleeve 6 Hold the Accent Light Back Plate loosely in position and slide the Post Sleeve over the wood post and into the Post Skirt. Make sure the wire is in the routed wire channel Attach the Accent Light Back Plate to the post using two #8 x 3/4" screws provided. 8 Re-install Accent Light Cover and secure with Set Screw with Allen Wrench. 9 Trim excess wire and make wiring connections. (See Connections section of manual).

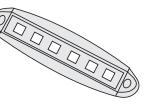
Installing Stair Riser Light

- 1 Locate and mark vertical and horizontal centerlines for Stair Riser Light location. Level the back plate and secure using #6 x 1" wood screws.
- 2 Use the back plate as a template to locate the center of the 1" hole for the wire.
- 3 Cut a 1" diameter hole at the center point, at a slight downward angle, using a 1" spade bit.
- 4 Trim excess wire length and make wire connection to main circuit wire using wire nuts provided.
- Align the light with the 1" hole and assure alignment between the Stair Riser light and the back plate
- 6 Secure housing to back plate using the set screw with a 2.5mm Allen wrench.

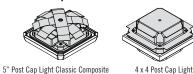


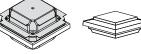
Installing Under-Rail Light

- Choose the location for the Under-Rail Light so it is centered in the balusters.
- 2 Drill a 3/8" hole to feed the wire through the RadianceRail Support Rail.
- 3 Feed the wire and mount the light to the recessed RadianceRail Support Rail making sure the light is tilted in (light comes with a 15° tilt which is usually facing the deck). Use the center alignment beam for a guide for the 2 screws. Use 8-3/4" screw size.
- 4 Trim excess wire length and make wire connection to main circuit wire using nuts provided.









Lighted Island Cap

3/16'

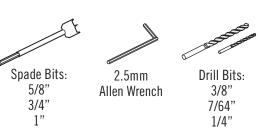
100W Transforme

Tools Required

5-1/2" Post Cap Light

In addition to a basic tool set, you will need the following for installation:

Composite Post Sleeve



Lighting Layout Overview

The TimberTech lighting system is designed for use with only TimberTech Railing products.

Below is a sample lighting layout showing fixture placement and wiring routes. When laying out the wiring for your deck, keep the following in mind:

- Building codes vary by locale, please consult all applicable codes before beginning project.
- Modifications must be made to railing components during assembly to accommodate wiring and fixtures. Do not begin deck construction until you have read the lighting instructions.
- Wiring for the lighting system shall be protected by routing in close proximity to the light, or next to a building structure such as a house or deck. The wiring may be buried in order to connect to the transformer or power pack.
- A maximum of 60W can be applied to a single run, and no more than 90W should be applied to the transformer. For power pack, refer to operating instructions. See the chart in the lower right corner for the wattage of each fixture.
- The 16AWG secondary supply wire can be buried for routing under deck or other obstacles. The fixture wires cannot be buried underground.
- Light fixtures are not to be installed within 10 feet (1.52m) of a pool, spa or fountain.
- Trim post covers to correct length see Post and Rail Prep page.

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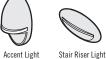
· Both the fixture wires and secondary supply wires have two wires to connect.







Visit www.timbertech.com/installation to view TimberTech installation videos SAVE THESE INSTRUCTIONS













Power Pack

Important Safety Precautions

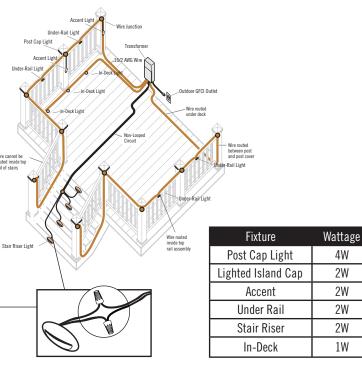
INSTRUCTIONS PERTAINING TO A RISK OF FIRE OR INJURY TO PERSONS **IMPORTANT SAFETY INSTRUCTIONS**

WARNING - TO REDUCE THE RISK OF FIRE OR INJURY TO PERSONS:

Turn off/unplug before servicing fixtures. Contact only switch/plug when turning on.

Keep lamp away from materials that may burn.

Do not operate the light fixtures with a missing or damaged cover.



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Installing In-Deck Light

- In-deck light should be installed in a low foot-traffic area. In-deck light can only be used when there is room under the deck to access the wires to make all of the connections
- Locate and mark the centerline of the deck plank where the in-deck light will be mounted.
- 2 Use a 31/32" drill bit to drill a "Press Fit" (snug) hole. If you only have a 1" drill bit available, use clear silicone to bond the light to the deck material.
- 3 Guide the light's wire into the through hole
- 4 Push the light fixture, without force on the lens, into the through hole until the flange touches the deck surface. If the hole was drilled too large, use clear silicone to bond the light to the deck.
- 5 The wire connections can then be made under the deck's surface.



Wiring Instructions

Wire Connections

Connections between the main 16/2AWG cable and the lighting fixtures are made using the space between the post and the Post Cap Light as a junction box.

When routing the main wire around the deck, leave a loop of extra wire at the top of each post to allow for splicing connections.

Use silicone filled wire nuts with corrosion protection and intended for outdoor use to make all connections. They shall be copper, copper alloy, or the equivalent

When making splices, do not pre-twist wires. Pre-twisting wires can lead to a poor seal inside the wire nut causing corrosion and/or voltage drop.

Wire Nut Instructions

Use the following guidelines for correct usage of wire nuts.

IMPORTANT: Turn off power before installing or removing connector. Product to be used in accordance with local and national codes.

- 1. Strip wires 5/8"
- 2. Align frayed strands of conductors.
- 3. Do not pre-twist. Place stripped wires together with ends even, but lead smaller stranded wires slightly ahead of larger solid or stranded wire.
- 4. Twist connector onto wires pushing firmly until hand-tight. DO NOT over torque.
- 5. Wipe excess sealant in and around conductors. DO NOT REUSE.

Power Pack

Refer to instructions provided with the Power Pack.

Transformer Connections

Consult the instructions provided with the transformer for additional information.

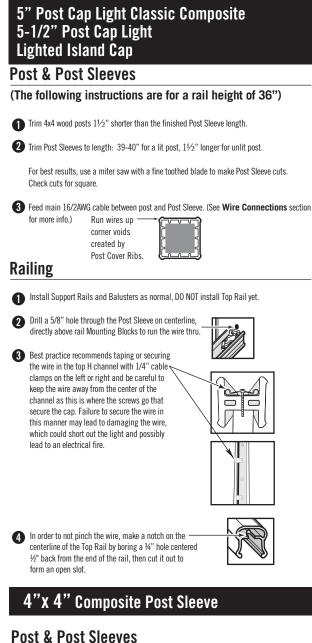
Power is supplied to the lighting fixtures via 16/2AWG wires connected to the provided transformer. One side of the 16/2AWG wire is connected to the Common terminal (C), the other side is connected to an Output terminal. One side of the 16/2AWG wire contains raised ridges to allow for easy identification (see Wire Connections section). The maximum recommended load for the transformer is 90 watts.



100 Watt Transformer On Turns unit on Off Turns unit off Outside GFCI Circui Auto Photocell Control "Auto" - Lights come on at dusk and go off at dawn 4H Stays on 4 hours after dusk 6H Stays on **6** hours after dusk 8H Stays on 8 hours after dusk

Transformer Settings

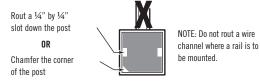
Post & Rail Preparation



(The following instructions are for a rail height of 36")

Trim 4x4 wood posts 11/2" shorter than the finished post sleeve length.

2 In order to provide clearance for wiring between the post and Post Cover you must create a wire channel



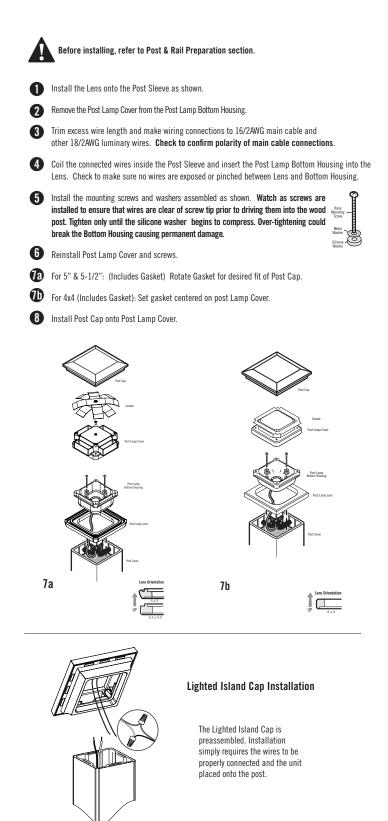
- 3 If you plan to install a post mounted Accent Light, you must rout a slot down the post to the desired fixture position. (See Accent Light instructions.)
- Trim Post Covers to length: 37-5/8" for a lit post, 1½" longer for unlit post. For best results, use a miter saw with a fine toothed blade to make Post Cover cuts. Check cuts for square.
- Feed main 16/2AWG cable up or down post using prepared feature. (See Wire Connections section for more information)





Installing Post Cap Light

Post Lamps must be installed after the rail assembly has been completed.



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