TREX® OUTDOORLIGHTING™ TROUBLESHOOTING GUIDE

DECK LIGHTING

If you're experiencing a problem with any part of the Trex Deck Lighting system, please reference the troubleshooting flow charts below.

Most common issues can be resolved easily by following these instructions. Should you require additional support,

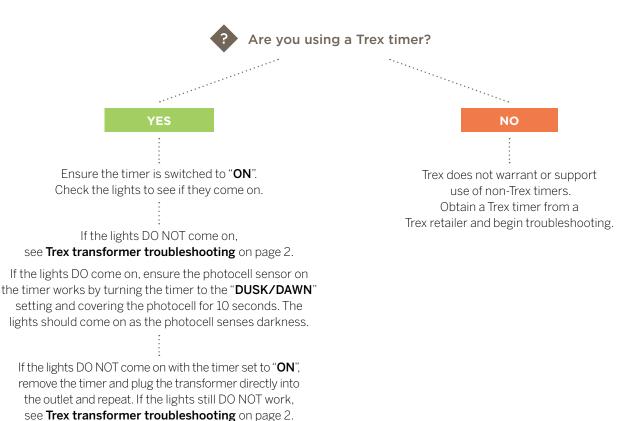
please call 1-800-BUY-TREX or send an email to question@trex.com.

If all of your Trex® lights are out...



If the GFCI outlet is working, but the lights are not working, see **Trex timer troubleshooting** on page 2.

If the GFCI outlet is not working, replace the GFCI outlet.

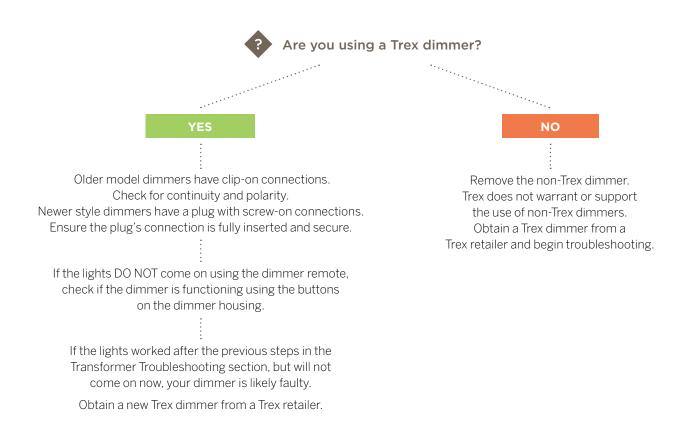


If all of your Trex® lights are out...

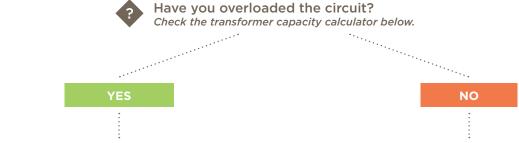


If the Transformer is working but all lights are out, the connection of the 20' transformer wire is the problem, or the wiring is not connected correctly with wire nuts. For Trex LightHub® plug-and-play lighting, ensure that the female splitter pins are intact (and not bent). If the lights still don't work, try another port.

If the lights DO NOT work and the transformer is not outputting power it should be replaced.



If all of your Trex® lights are out, or your lights are blinking...



Purchase another transformer and use it to power the second half of the circuit.

A short in the wiring can cause your lights to blink.

Connect the transformer to just the first light. If the light continues to blink, replace the transformer. If the blinking is not present, connect the first half of the circuit.

If the first half of the lights connected to the circuit blinks, work backwards checking each light. The possible short is likely in the first half of lights. If the lights do not blink while the first half is connected, go ahead and connect the second half of the circuit.

If the second half of the circuit blinks, work backwards from the last light checking each light. The possible short is likely in the second half of lights.

TRANSFORMER CAPACITY BY TYPE		
Type of light	5A transformer (DL TRANSFORMER)	2.5A transformer (2.5 DL TRANSFORMER)
Riser	180	90
Recessed	180	90
Post Cap	55	22
Deck Rail	180	90
Well Light	46	23
Path Light	31	16
Spot Light	7	N/A
Multifunction Light	31	16

Above listing is for maximum number of each individual types of lights. If mixing and matching lighting, contact Trex to determine if more than on transformer is required.

If you think you have found a short...



General guidelines regarding shorts:

If your lighting is wired with wire nuts, make sure the wire is not damaged and that a staple has not penetrated the wire sheath. If you're using Trex LightHub® plug-and-play lights, remove the 5' male/male wire that connects the light to the splitter, and try a known working 5' male/male wire.

If one or more of the lights are out, but many are working...



Identify the style of your Trex light components. Older styled components have black and red wires, while the newer models have silver colored wires and LightHub plugs. Then, follow the directions below, specific to each type of Trex deck light.

POST CAP LIGHT

Make sure power is **ON**.

OLD STYLE: Lift the light and first check the connection to the circuit board on underside of the cap. If it's installed with wire nuts, remove the wire nuts and ensure the **RED/BLACK** light leads are connected to the main power wires and polarity is correct.

NEW STYLE: Ensure the female plug pins are intact (not bent), and the light strip is not damaged.

OLD STYLE: Reinsert the small white plug into the cap circuit board if it was disconnected.

NEW STYLE: Take the Post Cap to a known good male plug and test.

OLD STYLE: If the light strip on your Post Cap Light is damaged, it cannot be repaired.

NEW STYLE: If the light test is working on another male lead, check the 5' male/male lead connection at the splitter for bent pins or a disconnection.

Try another port on the splitter.

If the light still doesn't work, replace the 5' male/male wire.

RECESSED DECK LIGHT

OLD STYLE: Go under the deck and check that the **RED/BLACK** lead wires are connected to the main power wires.

NEW STYLE: Check that female pins are intact (not bent) and fully inserted into the male plug.

OLD STYLE: Check that the **RED/BLACK** wires at underside of the deck are connected to the main power wires.

NEW STYLE: Push the housing **UP** from the bottom and take the light to a known good male plug to test.

NEW STYLE: If your light is working when tested on another male lead, check the 5' male/male lead connection at the splitter for bent pins or a disconnection.

Try another port on the splitter.

If the light still doesn't work, replace the 5' male/male wire.

DECK RAIL LIGHT

OLD STYLE: Twist off the aluminum cover by hand and pull out the LED engine. Ensure the white plug is connected.

NEW STYLE: You will not be able to remove the LED engine. Remove the two screws and ensure that the female pins are intact (not bent) and fully inserted into the male plug.

OLD STYLE: Reconnect the white connector if disconnected. Check that the **RED/BLACK** wires at the underside of the deck are connected to the main power wires.

NEW STYLE: Connect the housing to a known good male plug and test.

NEW STYLE: If your light is working when tested on another male lead, check the 5' male/male lead connection at the splitter for bent pins or a disconnection.

Try another port on the splitter. If the light still doesn't work, replace the 5' male/male wire.

LED STAIR RISER LIGHT

OLD STYLE: Go under the deck and check that the **RED/BLACK** lead wires are connected to the main power wires.

NEW STYLE: Check that female pins are intact (not bent) and fully inserted into the male plug.

OLD STYLE: Reconnect the **RED/BLACK** leads to the main wire if disconnected.

NEW STYLE: Push housing **OUT** from back, and take the light to a known good male plug to test. If another riser lead is close by, simply it switch with the known good lead.

NEW STYLE: If your light is working when tested on another male lead, check the 5' male/male lead connection at the splitter for bent pins or a disconnection.

Try another port on the splitter.

If the light still doesn't work, replace the 5' male/male wire.



General guidelines regarding older styled light with RED/BLACK wire leads:

Any of these lights can be tested using a standard 9V battery. Ensure polarity is correct.

If your dimmer remote does not work...

call 1-800-BUY-TREX for a replacement.

