



Installation Steps:

Location and Orientation of Lights

1. Choose the location of where the light will be installed. In the case of recess stair lights a general rule of thumb is 4-5" above the tread and spaced at 18-24" apart. We suggest wiring up one light and under dark conditions try the light at different heights and spacing until the desired affect is achieved. Dek Dots can either be placed in the stair tread or riser for equal effect.
2. Drill hole for light using kit Forstner Bit to a minimum depth of 1" for recess lights and 5/8" for Dek Dots. Verify correct hole depth using Dek Dot depth gauge. In the case of material thicker than 1" or for all Dek Dots a secondary smaller (1/4-3/8") through hole is required for passage of wires.
3. Thread wires through hole in light cups while gently pushing led into cup.  
\*\* CAUTION: Do not pull LED into cup by pulling on wires as they will break eternally, guaranteed! \*\*

NOTE: To determine orientation of recess stair lights look at face of LED. The resistor should be up to signify angled down direction of led light beam.



4. Thread wires into through hole and using your thumb or a soft ended tool push cup or Dek Dot into hole.
5. Once LED's are wired and on, determine whether to use diffuser disc or not. If you do just peel back pressure sensitive carrier paper and place over LED and gently press in place.

6. Optional Diffuser Discs

Once Led's are wired and on, determine whether to use diffuser discs or not. If you chose to do so there are some surface preparations you have to make in order for it to stick properly and stay in place over time.

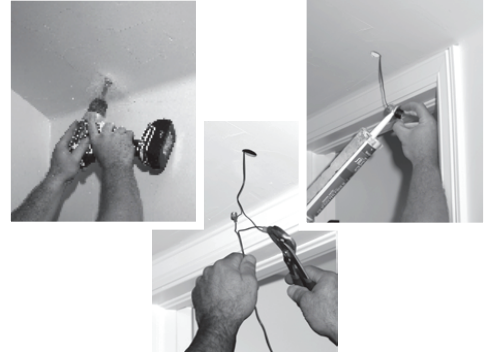
- Clean the contact surface of the light with a damp cloth or alcohol wipe and allow it to dry (a wet surface will not allow a proper bond)
- Peel the carrier paper back and place over LED and press firmly around the perimeter contact edges only.

• Caution: If you do not locate the disc properly on your first try and try to peel the disc away and reapply the disc will lose its bond strength and fail.

Lights can be installed in Drywall



Sample Dry wall installation



Use in Cabinets

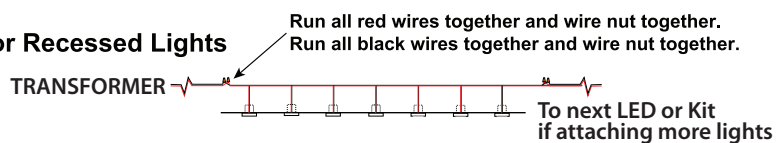


Connect wire with wire nuts or IC connectors

Place transformer in accessible area

Wiring

Sample Wiring Diagram for Recessed Lights



1. LED's are polarity sensitive. Wire all + (red wires) and all - (black wires) in parallel to the transformer. We recommend using 18 gage stranded outdoor wire (available at de-kor.com) for our products where the total wire run is less than 100'. If wire run will exceed 100' increase wire gage size. Our wire has white lettering on one wire to designate it as your + wire through the circuit.

NOTE: Use the 6' pigtail to your advantage by combining as many wires as you can into one wire nut.

2. Locate transformer in a location that is accessible in the unlikely event of servicing.
3. Connect main bus wires to transformer maintaining polarity in circuit. In other words (+) to all the red LED wires and (-) to all the black wires.
4. Plug transformer in and lights should light up. If they do not the problem will be in the wiring.
5. You can have the transformer hooked up to a wall outlet that is switched or hardwire the transformer directly to a switched circuit as long as you leave access to the transformer per electrical code.

Kit Contents:

- (8) Recess or Dek•Dot LED lights w/ 6' pigtails
- (1) Custom sized (.900) diameter Forstner Bit
- (1) Dek•Dot depth gauge
- (1) 12V DC Power Supply
- (8) \*Recess light cups
- (8) \*Diffuser Disc's
- (16) Wire Nuts

\* Not required for Dek•Dots  
No wire is supplied in kit but can be purchased through our website at the lowest price anywhere.

Technical Information

Transformer:

2amp 12v DC constant current.  
Light capacity 24-recess or Dek Dot lights  
Thermal and voltage overload circuits  
Physical size 1" tall x 1 3/4 wide x 3-3/4" long  
Works with US and European voltages  
UL and CUL approved

LED's:

No thermal/heat output  
3500 Kelvin Color (warm white)  
Waterproof and can be submerged in water  
Highest grade LED and high lumen output