

OUTDOOR RECESSED LIGHT KIT INSTALLATION INSTRUCTIONS

Apply to:

DOWN LIGHTS: RDLKITOUTxx
STAIR LIGHTS: RSLKITOUTxx

Usage:

These waterproof, weatherproof, salt air resistant LED recessed lights are perfect for decks, steps, stairs, patios, dock lights and marine lighting. You can even embed them in concrete walkways or steps --wherever accent lighting is desired.



Outdoor Recessed Light kit contains:

- (8) Recessed LED lights w/ 6' pigtails
- (1) Custom sized (.900) diameter Forstner Bit
- (1) Waterproof 12V DC Power Supply
- (16) Outdoor UL approved Gel Filled Wire Nuts
- (8) Diffuser Discs with adhesive back
- (1) Photo Timer
- (1) Installation Instructions

Additional Tools or Items Required:

- Outdoor UL approved Wire (18 gauge)*
- Power Drill
- Measuring Tape

* No wire is supplied in kit but can be purchased through our website

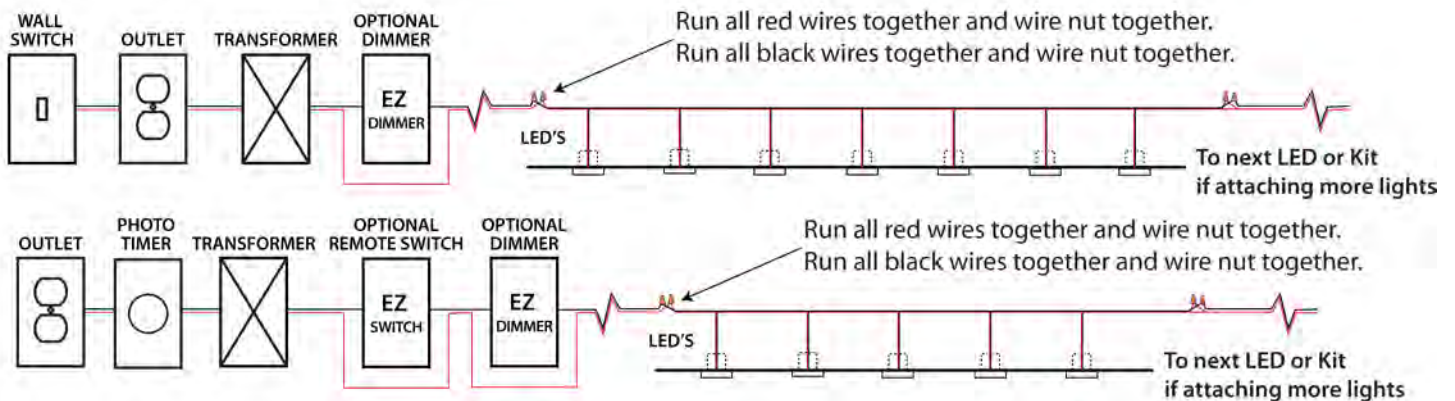
Optional Add-Ons

- Remote Controlled Dimmer
- 32 more recessed LED Lights**

** Power supply supports 40 Down or Stair LED light elements available for purchase in handy 4 packs. Please consult our online calculator for usage with other DEKOR lights.

PLAN YOUR INSTALLATION

Sample Wiring Diagram for Recessed Lights



Step 1 Transformer Location

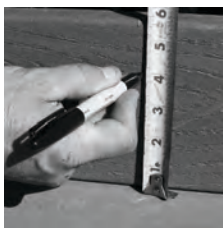
Determine where you will plug in your transformer / power supply. Locate transformer in a location that is accessible in the unlikely event of servicing.

You can have the transformer hooked up to a wall outlet that is switched or hard wire the transformer directly to a switched circuit as long as you leave access to the transformer per electrical code.



Step 2 Wire Requirements and Connections

We recommend using 18 gauge stranded outdoor wire (available at www.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 to 16 or 14 gage. For making the connections use our gel filled UL approved wire nuts.



Step 3 Location and Orientation of Lights

Choose the location of where the light will be installed.

The best way to determine the location that works for you is to wire and power up one light and under dark conditions try the light at different heights and spacing until the desired affect is achieved.

For stair risers general rule of thumb is 3-5" above the tread and spaced at 18-24" apart.

INSTALLATION AND WIRING



Step 4 Drilling

Drill hole for light using kit Forstner Bit to a minimum depth of 1".

In the case of material thicker than 1" a secondary smaller (1/4-3/8") though hole is required for passage of wires (see photo right).



- continued on other side-

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Step 5 Assemble lights & light cups

Thread 6' wire pigtail attached to LED light through hole in the bottom of the light cup while gently pushing led into cup.



Step 6 Insert light cups into holes

Thread wires into through hole, using your thumb or a soft-ended tool push assembled light and light cup into hole.



Step 7 STAIR LIGHTS ONLY: Set light angle

To determine orientation of recessed stair lights look at face of LED. The resistor should be up to signify angled down direction of led light beam. Something nifty about the lights is they can be rotated within the hole to give you even further directional capability.



Step 8 Combine pigtail wires and additional wire if needed

Run all red wires together and wire nut together. Run all black wires and wire nut together. Use the 6' pigtail to your advantage by combining as many wires as you can into one wire nut.

Wire all + (red wires) and all -(black wires) in parallel to the transformer. Our wire has white lettering on one wire to designate it as your + wire through the circuit per UL guidelines.

Step 9 Connect Wires to Transformer and Power Up

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. Finally, plug your transformer in and lights should light up. If they do not, the problem will be most likely in the wiring.

TROUBLE SHOOTING TIPS:

1. Verify that there is power coming from the transformer. No power no light.
2. If you have power make sure the polarity is correct. Red wires (+) to positive on transformer, black wires (-) to negative on transformer.
3. If one of your lights will not light and the others do and you have verified the wiring, take one of the other lighted lights and try it at the same location. If it still doesn't light then contact customer service at DEKOR.

FINISHING TOUCHES

Step 10 Optional Diffuser Discs



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.

Each and every project is unique. These instructions are given as know approaches and general guidelines to installing our product. Your project may dictate an entirely different installation approach, which makes your installation unique.

TECHNICAL INFORMATION

Transformer:

3amp 12v DC constant current
Light capacity 40-recess or Dek Dot lights
Thermal and voltage overload circuits
Physical size 1 3/4" tall x 1 7/8" wide x 7" long
Works with US and European voltages
Waterproof design IP66 rated
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

ORDERING INFORMATION:

Model Number Description

| | |
|---------------|-----------------------------|
| WIRE18/2LV100 | Outdoor UL approved Wire |
| WIRENUTSMGF | Wire nut gel filled. |
| EZREMDIM1 | Remote Controlled Dimmer |
| EZSWITCH | Remote Controlled Switch |
| RDL4xx | Recessed Down Light 4 Pack |
| RSL4xx | Recessed Stair Light 4 Pack |

Colors: Hammered White 01, Antique Metal Black 05, Oil Rubbed Bronze 07 and Dark Copper Vein 10.