

# E225 Recessed Light Kit

**Parts:** 6 Recessed Light Frames

See [www.dollhousewiring.com](http://www.dollhousewiring.com) for more photos and other ways to attach ExtraBrite® Striplights to dollhouse wiring.

**Supplies needed:**

- ExtraBrite LEDs (available at [www.realgoodtoys.com](http://www.realgoodtoys.com))
- False Ceiling material
- 7/16" Stripwood
- Crown Material - molding or stripwood
- Tapewire\*, eyelets, EL66 Electrification tool, hammer

\*This installation shows tapewire but can be done with E239 LED Connectors eyeletted into the Ceiling Run, or entirely with round wire instead.

This instruction assumes you have power on the ceiling where the light will go.

**Paint or stain the E225 Light Frames** before installation.



Make a False Ceiling to fit the room in which you will install the recessed light. I am using 1/4" Foamcore Board, but could use 1/8" MDF or Mat Board instead.



Cut and glue 7/16" Stripwood to the walls.



Leave a space at the back for the Ceiling Backer.



The Stripwood is a spacer for the recess above the False Ceiling.



Make a Ceiling Backer to fill the space above the False Ceiling.



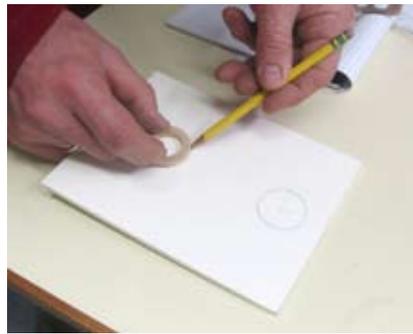
Glue the Ceiling Backer to the False Ceiling.



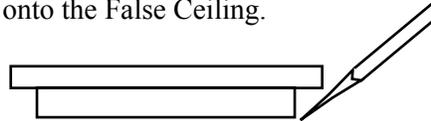
Cut Crown material to fit below the False Ceiling - here I am using crown from the JFK Finishing kit.



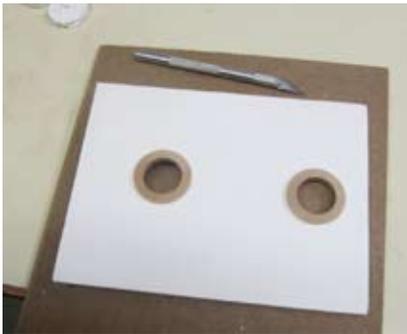
Place furnishings into the room; mark where the recessed lights will go.



Trace the narrow ring of the Frame onto the False Ceiling.



Cut the holes.



Glue the Recessed Light Frame to the Ceiling.



Trace the opening onto the structural ceiling.



Find the ceiling run of tapewire. Note that in *this* house, the blue wire is toward the back of the house.



Lay tapewire that extends past the tracings and overlaps the Ceiling Run (note: the LED can not be installed where the runs overlap).



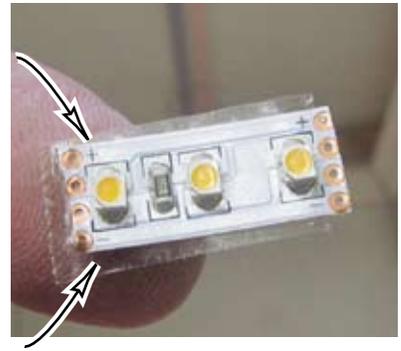
Test and mark the Ceiling Run.



Eyelet the Tapewire to the Ceiling Run, copper-to-copper and blue-to-blue.



Test.



Find the "+" and "-" on the ExtraBrite LED.



Eyelet the ExtraBrite LED to the Tapewire, "+" to the copper and "-" to Blue.



Do not hit the LED emitters with your tool.



Test - if it doesn't light, you may have to switch the wires at the transformer (to make the copper the "+" leg of the wire).



Do not glue in the False Ceiling (some day you may need to service these lights).



See how it lights up the space!