



Shine a light on your creativity with custom lighting. Pendant lights are a stylish way to update your home and show off fused and stained glass art.



Fused Pendant Lamp

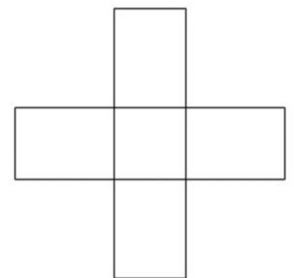
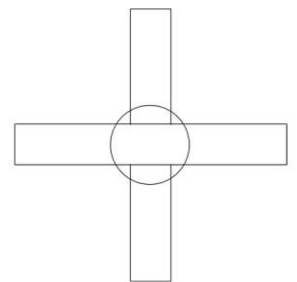
Artist: Julie Haan

Materials:

- # B011330 Bullseye White Opal Glass
- # B2124F Bullseye Red & White Opal Streaky Glass
- # U630090 Uroboros Clear
- # B111830 Bullseye Midnight Blue Transparent
- # 16620 Black Pendant Lamp Hardware
- # 16622 1-1/8" Diamond Core Drill Bit
- #425720 Large Floral Vase Slumper
- # 88101 Hi-Temp 1800 Mold Release

Instructions:

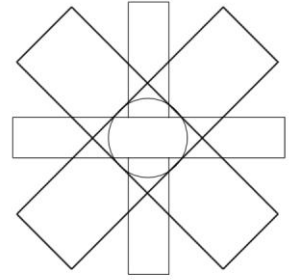
1. Prepare stainless steel floral vase slumper mold with Hi-Temp 1800 Mold Release according to manufacturer directions.
2. Cut glass:
 - a. Inside layer: 2 pieces 2" x 10" (1 clear, 1 blue), 4 pieces 2" x 4" (2 clear, 2 blue) and a 1-1/2" – 2" circle of clear
 - b. Outside layer: 8 pieces 2" x 4" (4 red, 4 white) and 2 pieces 2" x 2" (1 red, 1 white)
3. On a prepared kiln shelf, arrange glass to form the inside layer and outside layers separately as shown in the figures at right.
4. Fire to a full fuse. Once fused and fully cooled, remove from kiln and clean pieces.
5. Position the prepared floral former mold on a kiln shelf. Center the fused inside (blue) layer of glass on the mold.



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6. Stack the fused outside (red) layer of glass on top of the mold, rotated 45° in relation to the inside layer as shown in the figure at right.
7. Fire to slump, the layers will tack fuse during the slump firing. Note: Due to the additional layers of glass at the center, it may be necessary to adjust your ramp rate or firing schedule to produce ideal results.
8. Once cooled, remove the fused and slumped glass from the form. Locate and mark the center of the fused glass.
9. Using the 1-1/8" diamond coated drill bit, drill the hole to accommodate the lamp hardware.
10. Clean the fused lamp shade before assembly.



Stained Glass Pendant Lamp

Project shown by Artist Steena Gaut.

Materials:

- # Y1174SP Youghioghney White, Dark Green, Gold Pink Stipple
- # 16628 2-3/4" Square Brass Cap
- # 5511 Black Patina
- # 5596 7/32" Black Back Foil – 1.25 mil

Instructions:

1. Select a pattern for a 4-Sided panel lamp of your liking. Adjust as needed to fit a 2-3/4" Vase Cap.
2. Cut four pieces of Youghioghney White, Dark Green, Gold Pink Stipple to fit the pattern.
3. Foil each piece with black backed foil and burnish well.
4. Assemble the panel lamp, creating a solid and smooth solder bead both inside and outside.
5. Attach the brass vase cap (find additional helpful tips below).
6. Thoroughly clean with flux remover.
7. Apply black patina to solder lines, add a dark patina to the vase cap if desired by following additional tips below.



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How To Solder and Patina a Brass Vase Cap



In addition to the vase cap, you will need flux, solder, patina, salt, flux remover, and Stained Glass Finishing Compound.

- 1 Carefully apply flux to the bottom 1/8" edge of the vase cap. You should solder this bottom edge only and not the entire cap.
- 2 Place the top of the hot soldering iron through the hole of the vase cap and allow the brass to heat up for two or three minutes.
- 3 Hold the vase cap with a pair of pliers. Gather a bit of solder on the tip of your iron and touch it to the fluxed edge of the cap. The solder should flow easily. If the solder "peaks" when you lift the iron, the brass cap isn't hot enough for the bond to take place. Continue to tin the edge evenly all around.



- 4 While vase cap is still warm, center it on the top aperture of the lampshade and solder securely. Be careful not to get solder on the upper surfaces of the vase cap.

Note: For best results always keep the iron tip well tinned and free from carbon build-up.

- 5 Clean lampshade with flux remover and rinse with water. Apply black patina to all solder lines.



- 6 To plate the brass cap, salt must be added to the black patina. Dissolve one teaspoon of table salt in 1/4 cup black patina in a glass or plastic container. Do not use a metal container. Apply to the cap with a paper towel. The brass will turn a deep bronze color. Rinse with water and dry.
- 7 Wipe the entire lampshade with finishing compound and allow to dry. Buff with a soft cloth.

Questions? Talk to a Delphi glass expert. Project Help Line 800-821-9450

Assembling Your Pendant Lamp

The pendant lamp hardware is designed to be directly wired into your household. It is pre-wired and includes the cross bar for mounting to the electric box, as well as decorative canopy hardware to cover the installation. Delphi recommends having the pendant lamp hardware properly installed before adding your finished art.



Unscrew and remove the thumb nut from the threaded exterior of the candelabra socket.

Slide the fused or stained glass shade onto the socket until it seats flush with the domed exterior fitting.

Screw the thumb nut back onto the exterior of the socket until it is firmly supporting the shade from inside. Do not attempt to over-tighten – hand tight should provide adequate support.

Add a candelabra bulb to complete assembly, then enjoy your custom glass art lighting!