Basic Lamp Shade Assembly Instructions
For tips on creating Fused Art Glass Panels, please see the other side of this sheet.

Please view the online Assembly VIDEO at spectrumglass.com/lamp

1. Create four Art Glass Panels (either straight cuts of standard thickness (3mm) Spectrum® glass or a copper foiled design) using the Cutting Template provided for the outer dimension of each of the Panels. The template is available from your supplier or at spectrumglass.com/lamp. (If creating fused art glass panels, please refer to the information on the other side of this sheet for tips.)

2. Set the metal shade Frame upside down on a sturdy table lined with something to cushion/protect the Frame. (Foam packing material works well.)

3. Place one of the glass Panels (with the desired-side facing out) into the nearest opening of the Frame. Begin by inserting the widest section of the Panel into the metal Channel (A), then gently lower it in place. Secure the Panel by bending down the metal Clip (B) in the center of the narrowest part of the Frame section. (See Photo 1.)

   **NOTE:** The lampshade will now be unbalanced, so be sure to hold onto it as you proceed!

4. For stability, work on the opposite opening next and rotate the Frame accordingly. Repeat.

5. Add the remaining Panels in the same manner.

6. When all four glass Panels are clipped in place, lay one of the metal Bars (C) in a corner between two Panels (ridge-side down) and insert one of the supplied 10mm Screws (D) into a screw hole, aligning it with the corresponding Mount Plate (E) beneath. (You may notice that the ridge of the metal Bar (C) extends beyond the gap between the two screw mounts (E). See Photo Insert at left. This is intentional as the design helps to protect the glass.)

   Tighten the Screw just enough to hold the glass in place. Note that only using one Screw at this point allows some “wiggle-room” as you position each of the four Panels.

   For Fused Panels, see your Retailer to obtain 12mm Screws that will accommodate the thicker glass.

7. Repeat Step 6 with the remaining three metal Bars. (Note that it can be easier to begin with a Screw already inserted into the Bar before laying it in place as shown in Photo 2.)

8. Insert the remaining four Screws and tighten all eight Screws gently but securely.

9. Double-check that all Screws and Clips are secure, but do not over-tighten.

10. Carefully place the finished shade over the metal Rod of the lamp Base.

11. Position the Decorative Cap on top of the shade Frame.

12. Screw the Finial onto the metal Rod (Photo 3). Lamp assembly is complete.

**Caution:** Do not use any type of bulb over 60-watts. LED bulbs are recommended.
Tips & Information for Creating **Fused Art Glass Panel** Inserts

- Use the **dotted line** on the Cutting Template as your bottom perimeter measurement when cutting your glass Bases.

- For safety and stability, your Fused Art Glass Panel inserts should be constructed as solid, 2-layer, full-fused panels. If you desire some textured detail, we recommend creating a solid, 2-layer Base first (using a Contour or Full Fuse schedule), then tack fusing the detail elements in a second firing.

- Make sure all your design will be seen — note that the Frame’s edge will slightly overlap your Art Glass Panel, so plan your design accordingly.

- Make sure that each of your panels are of similar weight so that your finished lamp is stable.

- If your finished Fused Art Glass Panels have spread more than intended in firing, you will need to use a glass grinder to shape the panels back to the pattern size so that they fit in the shade frame properly. Slightly beveling the bottom edges may help them fit more securely.

- **12 mm Screws** are necessary for thicker Fused Art Glass Panels and are available from your Spectrum Glass Retailer.
To Create **Stained Glass** Art Glass Panels, use the solid line as the perimeter of each of your panels.

To Create **Fused** Art Glass Panels, use the **dotted line** as the bottom dimension for your Base glass. IMPORTANT: Please read the "Tips and Information" section on the back side of the Assembly Instruction sheet if you intend to create **Fused Art Glass Panels** for your Lamp Shade.

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**Lamp Shade: Art Glass Panel Cutting Template**

Gray area approximates the dimensions of the frame. Be sure to plan for the overlap in your design.

PRINT AT 100% ON LEGAL-SIZED PAPER (8.5 x 14-inches)

Dotted Line = **Fused** Art Glass Panel Dimension

This pattern extends nearly the full length of a legal-sized sheet of paper. If the outermost edges have been cut off, simply draw in the lines before using.
Lamp Shade: Art Glass Panel
Pattern: Contemporary

Design by
Dione Roberts
D&J’s Glassworks
Billings, Montana

Spectrum Glass Suggestions:
A. 305S Clear/White
B. 280-76SF Charcoal
C. 1009CSF Black Cord
D. 223-74SF Peacock Green
E. 6051-83CC Autumn Flame

PRINT AT 100% ON LEGAL-SIZED PAPER (8.5 x 14-inches)

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Lamp Shade: Art Glass Panel
Pattern: Floral

Design by
Dione Roberts
D&J's Glassworks
Billings, Montana

Spectrum Glass Suggestions:
A. 6022-81CC Key Lime
B. 6067-83CC Mimosa
C. OA/675-5SF Godiva
D. 327-6S Dark Green/White

PRINT AT 100% ON LEGAL-SIZED PAPER (8.5 x 14-inches)

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Lamp Shade: Art Glass Panel

Pattern: Mission Style

Design by
Dione Roberts
D&J's Glassworks
Billings, Montana

Spectrum Glass Suggestions:
A. 6011-83CC  Golden Honey
B. 110.8W   Med. Amber Waterglass®
C. 6051-83CC  Autumn Flame
D. 411-15G   Brown/Gold Granite
E. 123H     Green Hammered

PRINT AT 100% ON LEGAL-SIZED PAPER (8.5 x 14-inches)

© Dione Roberts and Spectrum Glass Co. Pattern is for individual use only, but may be photocopied for personal use.
Lamp Shade: Art Glass Panel
Pattern: Victorian

Design by
Dione Roberts
D&J's Glassworks
Billings, Montana

Spectrum Glass Suggestions:
A. 843-71S Lavender/White
B. 6022-81CC Key Lime
C. 543-2W Grape Waterglass®
D. 6043-86CC Purple Haze
E. 6022-82CC Congo
F. 6051-83CC Autumn Flame

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