

# H. L. Worden Co. GF16-17 Mirrored Rose Ceiling Shade

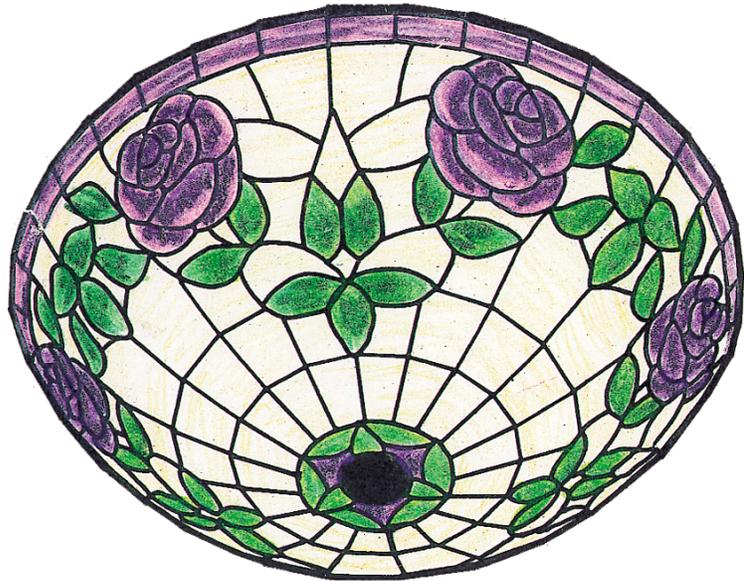
“Make a Lamp”

Cartoon Pattern Packet

## System

### Lamp Specifications

- No. Glass Pieces: 288
- Glass Needed: 3.75 sq. ft.
- Diameter: 14”
- Height: 4.5”
- Aperture: 1.25”
- Design Repeats: 3



### Needed to make this lamp

- Pattern Packet No. GF16-17\*
- FullForm™ No. GF16\*\*
- Stained Glass
- Lamp Base or Hanging Hardware to Swag

### Additional Items Needed

- Basic Supplies
- Basic Tools
- 1 1.25” Check Ring  
Use as Vase Cap

### \*No. GF16-17 Pattern Packet

#### Includes:

- 1 Paper Pattern Sheet
- 4 MagicStrip™ Sheets
- 1 Instructions
- 1 Color Key w/ Glass Descriptions

### \*\*No. GF16 FullForm™

360° form embossed and numbered to accept glass

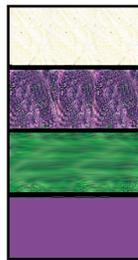


placement guides (cartoon)

One Reusable FullForm™ is used to make this 3-repeat design

### Lamp

#### Color Key

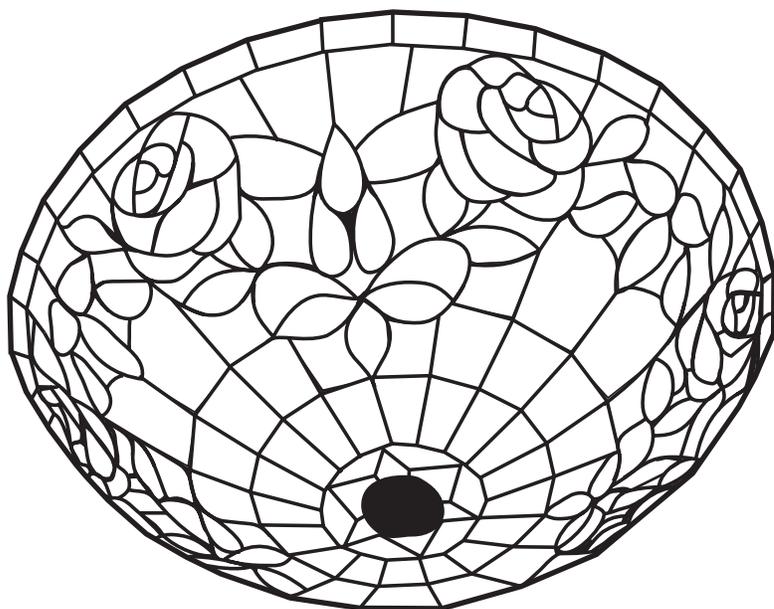


Description	Glass Type	Sq. Ft.
N Background	White Opal	2
R Roses	Purple Opal	.75
L Leaves	Green Opal	.75
B Borders	Purple Cathedral	.25

## FULL FORM CONSTRUCTION TIPS

Follow the Basic Method detailed in the WordenSystem™ Instruction Manual.

- (1) Select, cut, trim, and pin all stained glass pieces over the MagicStrip™ cartoon on the form. COMPLETELY COVER THE FORM. Use glass headed pins or common pins. Be sure to push the pins all the way in to hold each glass piece securely.
  - (2) To ensure the vase cap will be level: If using a positioner; place vase cap at the top of the form; secure with a lock nut; cut and fit glass to the vase cap; tack solder before removing shade from the form.
  - If not using positioner: place a 4" threaded rod through the hole in the form; place vase cap at top of the form; put a second vase cap or a check ring or washer inside the form; secure with lock nuts at both ends of the rod; cut and fit glass to the vase cap as above. If necessary, trim the top of the form to fit the vase cap in place.
  - (3) To foil, pull the pins part way out, just far enough to remove each glass piece one at a time; foil & repin.
  - (4) Tack solder all glass pieces together. Wipe and burnish with a wet cloth to stop oxidation.
  - (5) Remove all of the pins. Leave the lamp on the form and make a flat seam by tinning all exposed copper foil. Wipe and burnish with a wet cloth.
  - (6) DO NOT BUILD ROUNDED SEAMS ON THE FORM. Remove the lamp and fill and then build the inside seams then do the outside.
- By filling the inside first, any flow through will be removed when building the outside seams.



Make copies of this picture to try different color combinations for your lamp. Use the paper pattern for glass piece description.

## Strip Grid Cutting

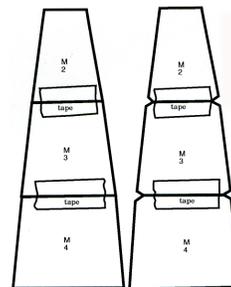
For fast, easy cutting, background may be assembled in strips either horizontally or vertically. Assemble grid vertically so that color flow and grain extends from one part to the next.

**Vertical:** Arrange the background pieces together similar illustration with no space between. Fasten together with cellophane tape. Notch out between the pieces so a line can be drawn on the glass with a straight edge. **Score in the center of this line between the parts.**

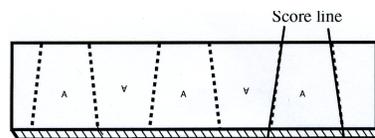
Score, break and check fit of one section before proceeding with the balance of the parts.

Fig. 3 illustrates how patterns can be grouped together and then cut apart.

**Horizontal:** First cut a strip of glass that is equal to the height of each piece. The height of the pieces in each row around the lamp will be the same; however, not all the rows in a lamp will be the same height. Mark each grid pattern on the glass while turning the pattern end over end until you have enough to cover one sectional form or one pattern repeat. Make adjustments if necessary and cut out the number you will need for the entire lamp. *Overlap the grid pattern pieces so that adjoining pieces share a score line.*



**Tape Pattern Together**  
**Pattern pieces arranged to cut gridwork vertically**



**Arrange grid work pattern on strips, mark and score**



Use our No. 330 Positioner for working with full forms. The No. 330 is also great for working with partially finished shades whether built on sectional or full forms. Once the vase cap is installed put your lamp on the No. 330 and position the shade to have a level surface for final soldering.

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