

# H. L. Worden Co. "Make a Lamp" System

# GF16-38 Trumpet Vine w/Hummingbird Lamp

Cartoon Pattern Packet

## Lamp Specifications

No. Glass Pieces: 696  
Glass Needed: 5.96 sq. ft.  
Diameter: 16"  
Height: 8"  
Aperture: 3"  
Design Repeats: 4

## Needed to make this lamp

Pattern Packet No. GF16-38\*  
FullForm™ No. GF16\*\*  
Stained Glass  
Lamp Base or Hanging Hardware  
to Swag



## Additional Items Needed

Basic Supplies  
Basic Tools

### \*No. GF16-16 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 4-repeat design

### \*\*\*3" Vase Cap



HC3 VC3 VHC3

Need One 3" (7.6cm) Vase Cap  
Sold Separately

## Lamp

Color	Key	Description	Glass Type	Sq. Ft.
B	Background	Light & Dark Blue Opal	2.6	
FP	Flower Petal	Bright Orange Opal	.5	
FPY	Flower Petal	Bright Yel/Orange Opal	.5	
L	Leaves	Green Opal	1.6	
L1	Dark Leaves	Dark Blue/Green Opal	.2	
LGY	Wing	Lt. Grey Opal	.1	
DGY	Wing, Tail	Dk. Grey Opal	.1	
LOG	Body	Lt. Olive Green Opal	.1	
WH	Body	White Opal	.1	
RR	Throat	Ruby Red Opal	.1	

## 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.

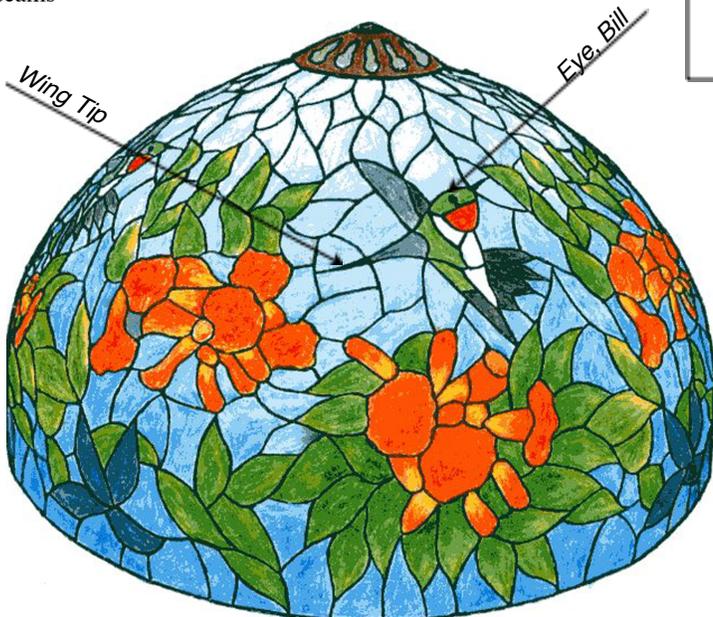
Construction tip for 360° Form which curve in at the bottom:

(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.

## Construction Tip

Hummingbird eye, bill and wing tip are made with a foil overlay. Cut foil to the size and shape needed and place on the glass. Cover the foil with solder. Be sure the foil overlay connects to the solder seams



## Foil Wrapping Small Pieces

When foiling small pieces such as flower centers, flower petals, and leaves, it is best to overlap foil on glass approximately 1/64"; wider foil will cover too much of the glass. The exception is on small pieces at the top of the lamp. These pieces should be wrapped with at least a 1/32" overlap. Copper foils base of the overlap adds strength to the lamp. If leave back ring is too wide, it can be easily trimmed with scissors: place while trimming. the untrimmed for nice even seams.



Use our No. 330 Positioner on sectional or full forms. The No. 330 is also used 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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