

H. L. Worden Co.

"Make a Lamp" System

G19.5-9 Classic

Rev. 9/11

Cartoon Pattern Packet

Lamp Specifications

No. Glass Pieces: 672
 Glass Needed: 12 sq. ft.
 Diameter: 19.5"
 Height: 11.5"
 Aperture: 4"
 Design Repeats: 3



Needed to make this lamp

Pattern Packet No. G19.5-9*
 SectionalForm™ No. G19.5**
 Stained Glass
 4" Vase Cap***
 Lamp Base or Hanging Hardware
 to Swag

Additional Items Needed

Basic Supplies
 Basic Tools

*No. G19.5-9 Pattern Packet

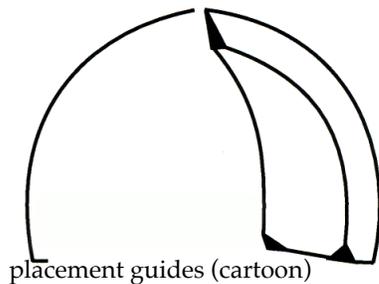
Includes:

2 Paper Pattern (black) Sheet
 2 MagicStrip™ (blue) Sheets
 1 Instructions
 1 Color Key w/ Glass Descriptions
 1 Sideboard

**No. G19.5

SectionalForm™

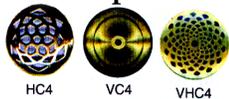
Sectional form embossed and
 numbered to accept glass



placement guides (cartoon)

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

***4" Vase Cap



Need One 4" (10.2cm) Vase Cap
 Sold Separately

Lamp

Color	Key	Description	Glass Type	Sq. Ft.
	E,D1	Dome Bckgd, Design 1	Dk. Amber Opal	5.75
	A,D2,D3	Skirt Bckgd, Design 2, Rope	Amber Opal	4
	L	Leaves	Dark Green Opal	2
		Highlights	Pink Opal	.25

Paper Pattern
 MagicStrips™
 MADE IN USA

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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. Copper foil is easily trimmed. These pieces should be wrapped with at least a 1/32" overlap. Increasing size of the overlap adds strength to lamp. If you have foil that is too wide it can be easily trimmed with scissors. Leave the paper backing in place while trimming; the untrimmed edge is placed on the outside for nice even seams.



Strip Grid Cutting

For fast, easy cutting, background may be assembled in strips vertically. Assemble grid vertically so that color film extends from one part to the next.

Vertical: Arrange the background pieces together similar Fig. B 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.

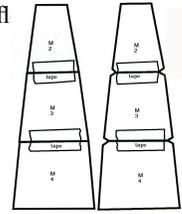


Fig. B Fig. C
Tape Pattern Together

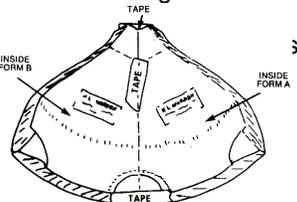
Score, break and check fit of one section before proceeding with the balance of the parts. Fig. C illustrates how patterns can be grouped together and then cut apart.

Two Form Method

The two form method can be used to make any lamp that has more than one set of MagicStrips™ or two sets of identical single form MagicStrips™. Purchase two blank forms of the same size and alternate the forms as outlined below. This method is really very easy to do once you understand how it works. The two form method is the closest thing to working on a full form and still allow the construction of the lamp in sections. Make the same number of SEPARATE GLASS SECTIONS as you would in the single form method. The bridging glass pieces can be fitted in place and the leaded seams perfectly matched while the GLASS SECTIONS ARE BEING MADE; rather than after. This unique Two Form Method can be used on any number of form repeats and with any number of design repeats, simply by alternating two forms from one side to the other. The instructions below explain how a three repeat design, on two forms.

For TO Step 2) temporarily attach the two forms together with tape. Don't use glue. Forms must be taken apart and alternated from one side to the other after each glass section is completed. Sideboards are not used in this method. Step (3) With the two forms fastened together; cut, grind, foil and pin glass pieces on both forms including the bridging pieces. COVER AN AREA BETWEEN THE FORMS at least three glass pieces wide on each form extending from the top to the bottom.

Step (4) Tack solder at least two from top to bottom. DO NOT SOLDER TOGETHER. Bridging pieces will hold the other. If the glass sections are a mistake....remelt and separate. Step (5) Now the forms can be separated. Finish the glass section, tack solder, build seams, attach



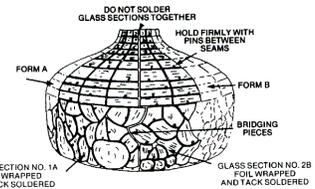
wire solder assembly loops and clean. When completed, remove and label this glass section 1A. Remove the form; switch and fasten it to the other side.

DO NOT COMPLETE AND REMOVE BOTH GLASS SECTIONS AT THE SAME TIME. THE GLASS SECTION AND THE FORM ON THE RIGHT MUST BE MOVED TO THE LEFT TO FIT THE GLASS PIECES ON THAT SIDE TO THE OTHER GLASS SECTION.

Step (6) Repeat steps 3, 4, 5, labeling the glass section each glass section is made forms; label the next section will look the same, but for in the left of 4B and at the same time 2B.

Step (7) When it's time to make glass section 6B; you must re-pin glass section 1A to the form and match it up on the right side. Now glass section 6B can be constructed, since the alternating of the forms and the six separate glass sections are completed: glass sections 6B and 1A may be tack soldered together while on the forms.

Step (8) When all glass sections are made and removed from the forms, use assembly loops and finish the lamp as in step(9) of the single form method.



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