

Sideboard Light “ Swing “

Step by step instruction sheet



The lights from the design line "Sideboard Lights" consist of two separate parts, the light and the light base.

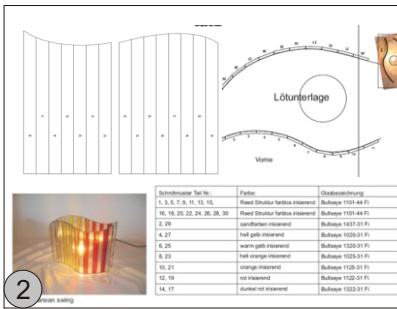
This instruction sheet is concerned with the light .

The instruction sheet for the light base you find here:

<http://www.inspiration-for-glass.com/english/download/detailed-instruction-sideboard-light-base.pdf>

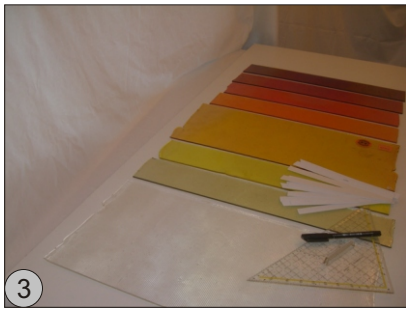


Sideboard Light
"SWING"
step by step...

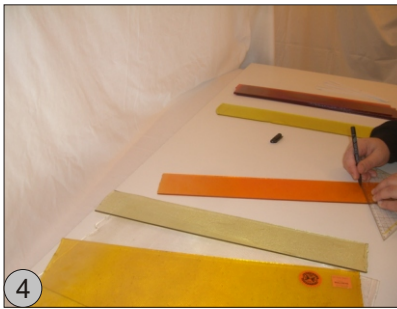


Free pattern
download
with
proposal for
glass selection.

Abmessungen Teil Nr.	Farbe	Streifenrichtung
1, 3, 5, 7, 9, 11, 13, 15	flaech (flaecher farbiges glas)	Bulnape 1101-44 (f)
16, 18, 20, 22, 24, 26, 28, 30	flaech (flaecher farbiges glas)	Bulnape 1101-44 (f)
2, 29	laech (laecher farbiges glas)	Bulnape 1102-51 (f)
4, 27	hell gelb (hell gelbes glas)	Bulnape 1102-51 (f)
6, 25	warm gelb (warm gelbes glas)	Bulnape 1102-51 (f)
8, 23	hell orange (hell oranges glas)	Bulnape 1102-51 (f)
10, 21	orange (orangees glas)	Bulnape 1102-51 (f)
12, 19	rot (rotes glas)	Bulnape 1102-51 (f)
14, 17	rotbraun (rotbraunes glas)	Bulnape 1102-51 (f)



Your personal glass
selection,
here:
Bullseye
transparent
iridescent coated
glasses with
especially noble
semi-gloss effect.



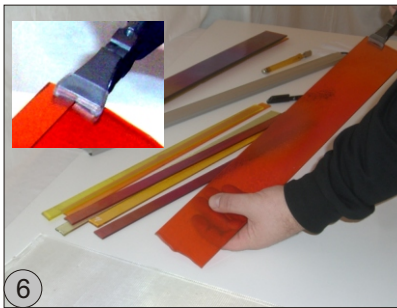
According to the
pattern you cut
20mm-wide stripes.

With two points you
mark first the
subsequent
cutting line.



Cut the glass along a
stable ruler.

!! Along the ruler
you lead the glass
cutter towards
your body !!

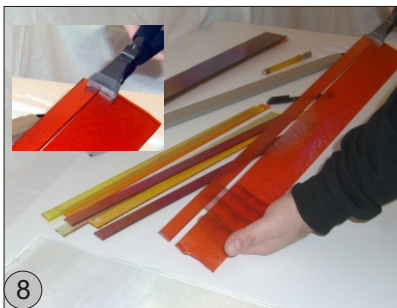


Use a glass breaking
pliers to open (break)
to the cutted line.

!! Hold the pliers right
- inside curve
upwards !!



Light pressure of the
pliers is enough to
open the cut.



With the free hand
you hold the glass
stripe like in photo
6-8 illustrated.



Adapt the glass
stripes in the length
roughly to the pattern
(leave stripes
approx. 2 cm longer
than pattern).



After you have cut
the cutting line with
the glass cutter,
break the glass stripe
simply at the
working surface.



... therefore the cut
place lies exactly
about the table edge -
press the free end of
the glass stripe light
down.

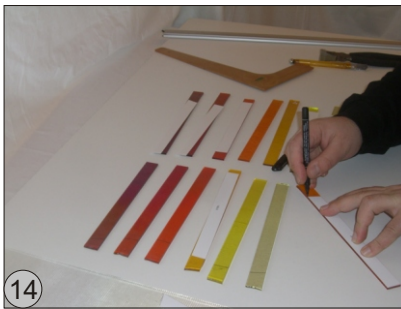
crack - the cut
is opened...



... of course you may
make use of a glass
pliers to open
the cut...



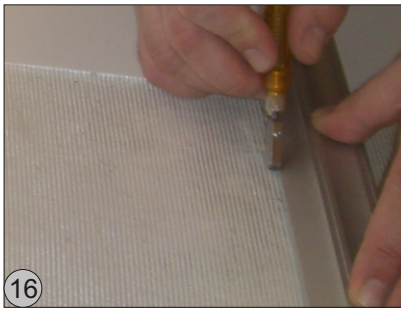
Now the coloured stripes are cut...



Now you transfer the pattern on the glass stripe.



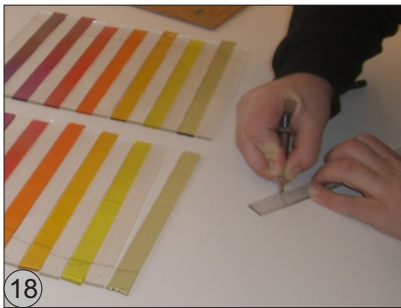
Now you cut the clear 2cm wide stripes. (see pattern)



Use only a ruler not sliding on glass, or cut the glass stripes along a glazier's angle.



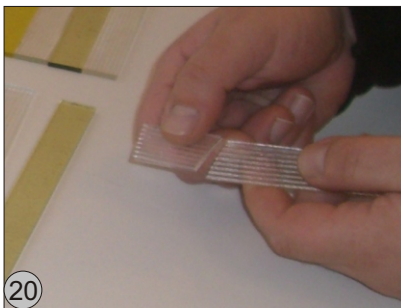
Cut all stripes according to the pattern.



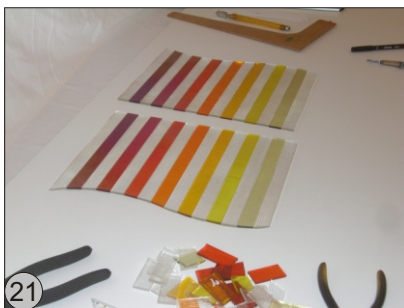
Freehand move the glass cutter of the body away. Thus you always see the marked route..



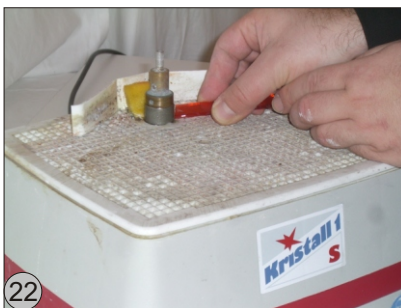
You can break the glass also without pliers. Lay the glass as illustrated on forefinger and make a light lever movement.



Crack and the part breaks off...



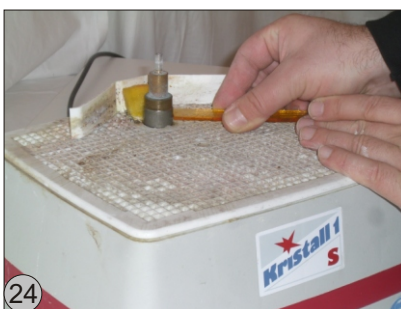
Now all glass stripes are cut out according to pattern.



In the next step you grind the parts with a glass grinding machine. Pay attention to the fact that you grind with enough water. Never ever gring without enough water.



You should grind textrued glasses against all four edges. After breaking textured glass ununique edges often remain. Grind these off.



If the cut stripes show a clean edge, then it is enough to grind the glass pieces at the ends a bit according to the right form.



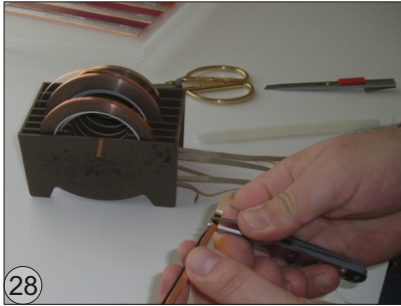
.. all-important ..
Wash the grinded glass pieces with water - clean the glass pieces of the swarf or grinding debris.



Before the next working step dry the glass pieces well.



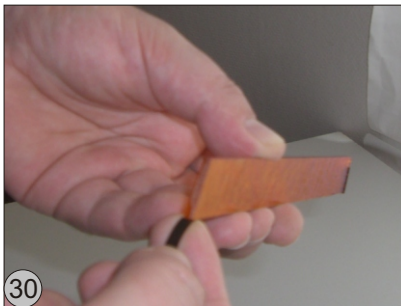
Now every piece is enclosed with self-adhesive copper foil. Different tools are offered to it. Here see how it also works without.



Copper foils are offered with clear glue, silvery and black glue. Especially for transparent glasses you choose black back copper foil.



As right hander you hold the glass in the left hand. With right you lead the copper foil.



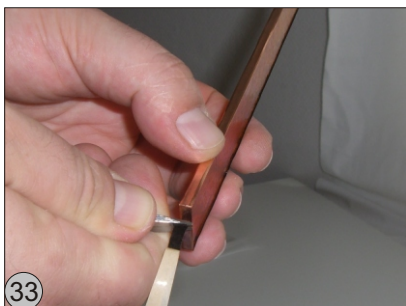
With the forefinger you lead the copper foil around the glass and press the self-adhesive copper foil always a bit against the glass edge.



Pay attention to the fact that the glass sticks preferable in the middle of the foil.



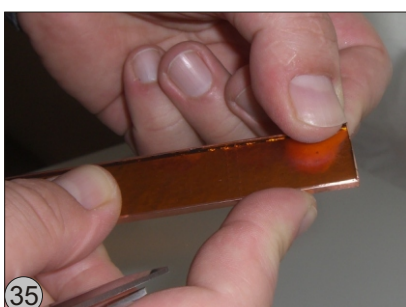
Let the end overlap approx. half a centimetre.



Cut the foil with scissors. Tearing is not recommended, because the foil may unintentionally become detached from the glass again.



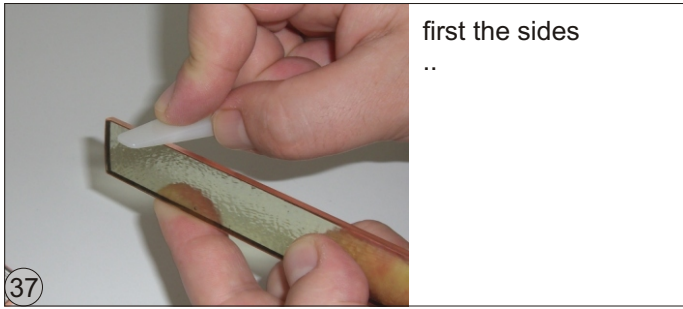
Now press the foil around the edges...



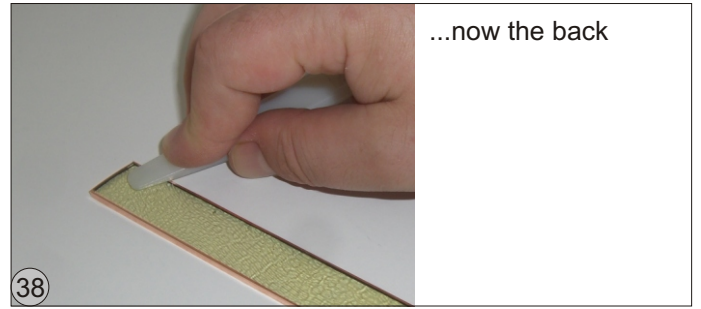
... The easiest way would be to run your thumb and index finger around the glass edges.



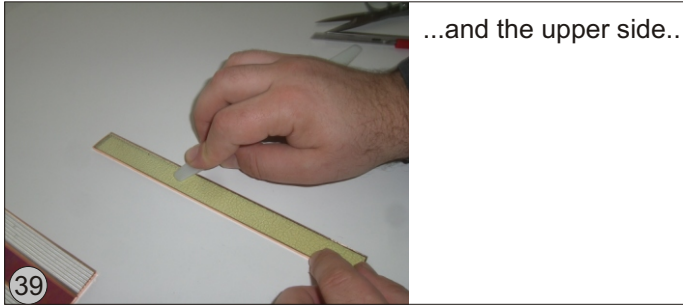
Now in the next step the copper foil must be firmly pressed to the glass with the help of a plastic foil presser.



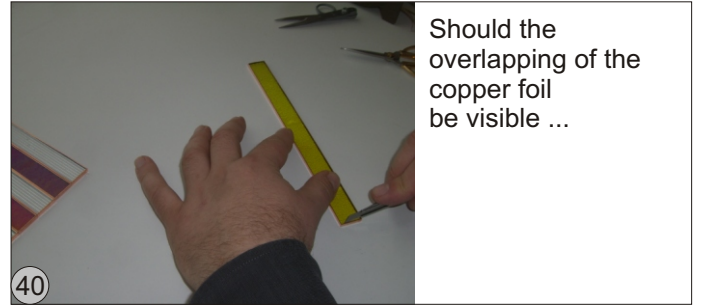
first the sides ..



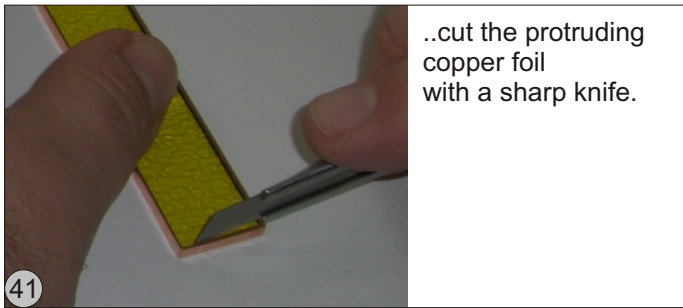
...now the back



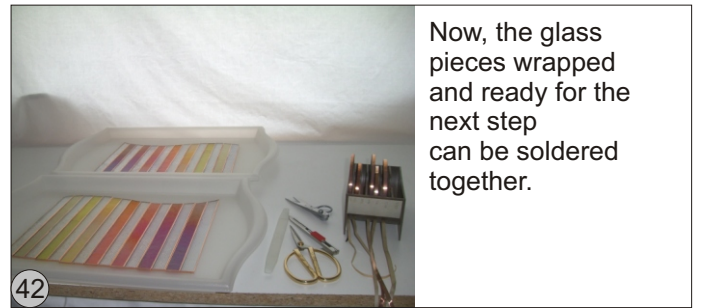
...and the upper side..



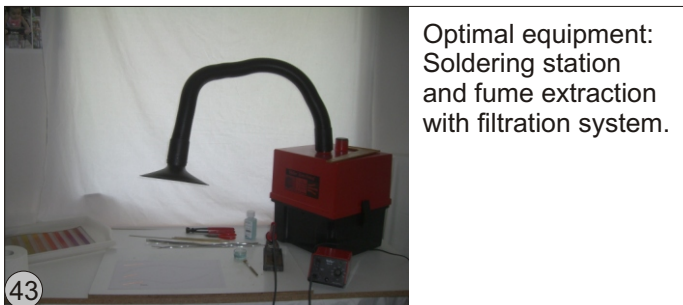
Should the overlapping of the copper foil be visible ...



..cut the protruding copper foil with a sharp knife.



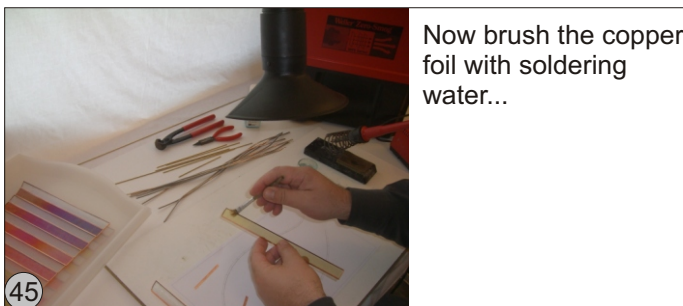
Now, the glass pieces wrapped and ready for the next step can be soldered together.



Optimal equipment: Soldering station and fume extraction with filtration system.



The printed blueprint helps positioning the glass segments in the correct position.



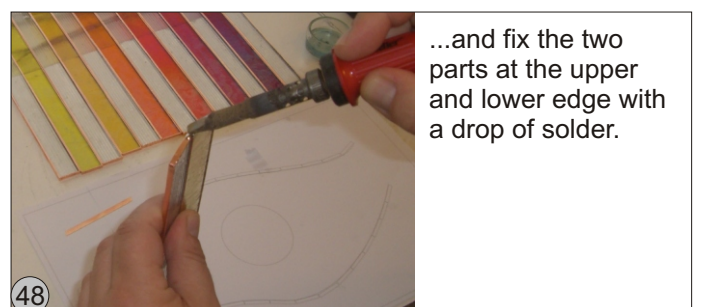
Now brush the copper foil with soldering water...



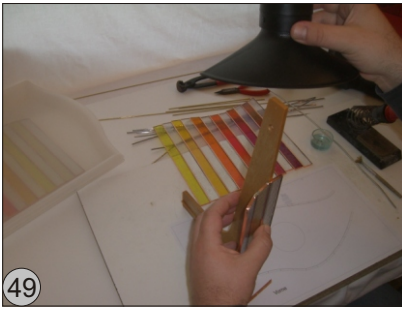
...so you can solder the glass pieces soon.



Hold the first two pieces of glass in the correct position...

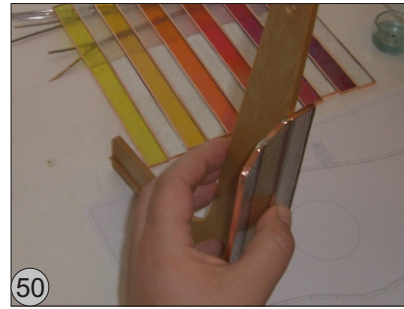


...and fix the two parts at the upper and lower edge with a drop of solder.



Make sure that the stripes stand vertical - otherwise the lamp will be awry.

49



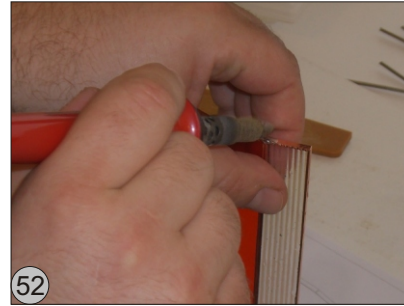
check regularly...

50



First only fix the pieces at the top and bottom. By that you still can change some solder joints if the setup runs out of the angle.

51



One drop of solder is enough..

52



...for first fixing the pieces.

53



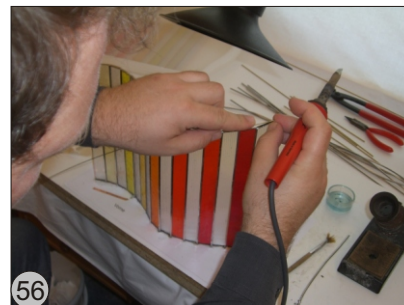
Now roughly solder the sides.

54



The seams are carefully soldered again later - now it is for now only for the stability.

55



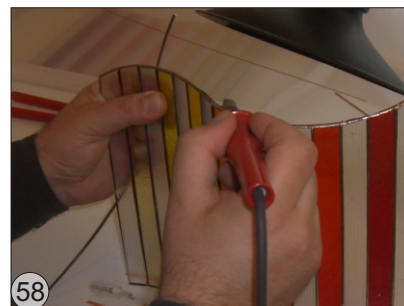
Solder on the side top 1mm brass wire. Soldered brass wire leads of sufficient stability. 4253000: 1mm brass wire.

56



Fix the brass wire first with a few drops of solder only...

57



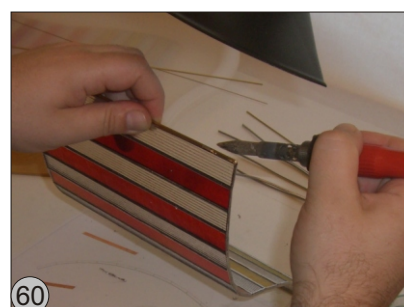
...and then solder the wire properly and form a round edge.

58



Now you solder the sides again. With enough solder you form uniform and round seams.

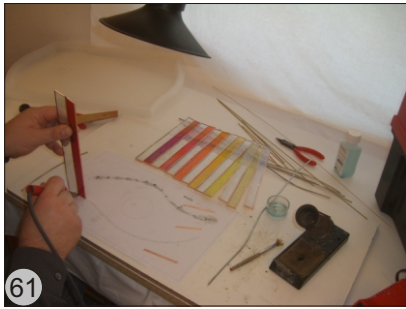
59



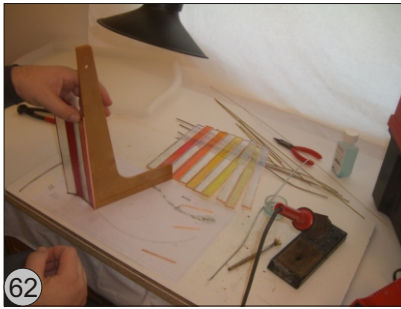
On the sides you solder a brass tube (diameter 2mm) 4251800

Now the first half of the lamp is finished...

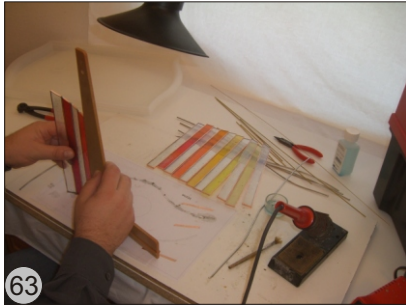
60



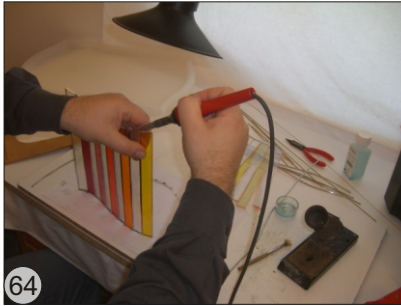
Turn the soldering blueprint and solder the second half together now.



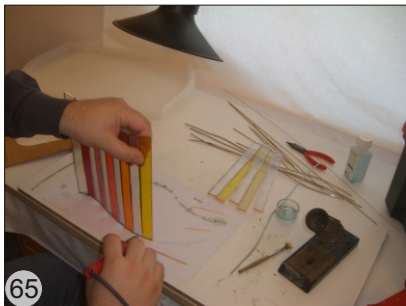
... also respect the fact again that the glass stripes must stand vertical ..



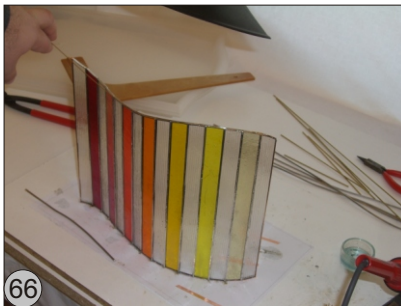
.. regularly check..
The easiest way .. with an angle..



Fix the parts first with solder points on top ..



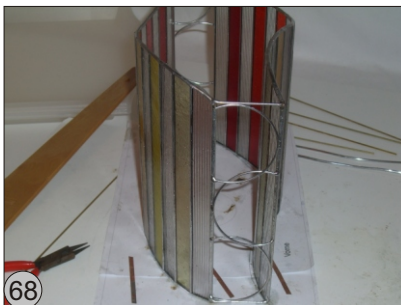
...and below



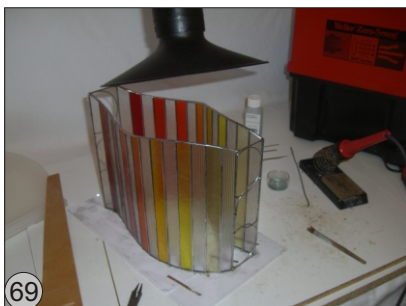
Reinforce this side again with a 1mm brass wire - and both sides with 2mm brass tube.



Now both halves are ready and need to get connected next



From self-solder-plated brass tube 2mm bend six circular segments, which are soldered as shown.



The straight connectors are made from 2mm brass tube too.



For better stability please solder at the bottom two pieces solder-plated brass 2mm tube.



..top view
Now wash the lamp with shampoo to wash off the solder seams and glass surfaces from flux residues.



Now the lamp is finished - at least the upper part.
The next step is to produce the lamp base. (See separate instructions)