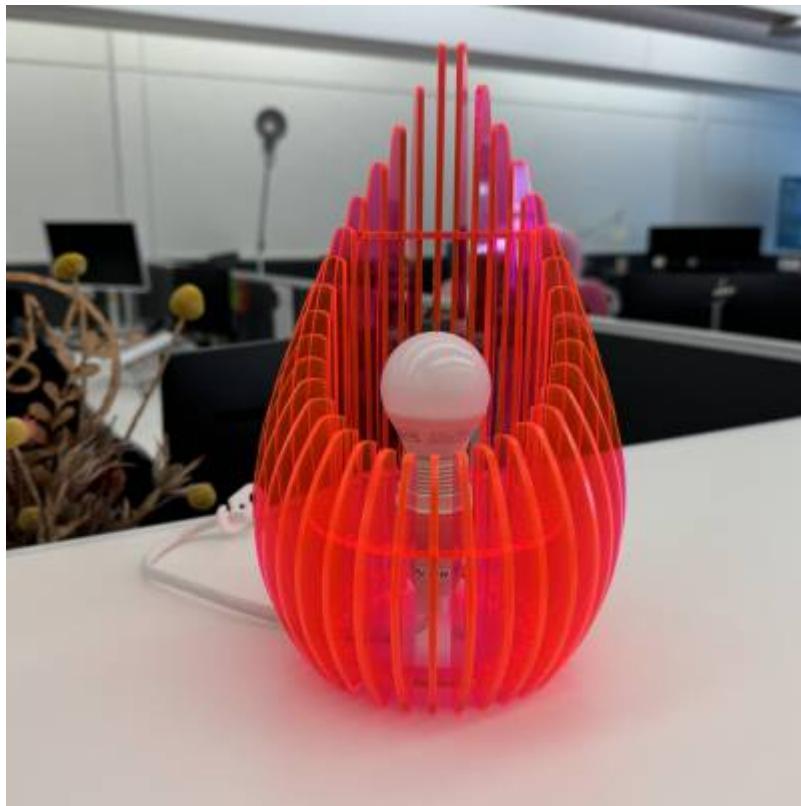


Neon Acrylic Lamps

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Workshop Slides

<https://statelibraryqld.sharepoint.com/:p/t/AppliedCreativityTeam/EeJhs92q0rJBnDB9JsXWrbUBDdapN1RMKoYitgdVvBkbbQ?e=0DbwFD>

Designing your lamp

Make your base notched (finger joint) ring using the **Path Effects>Rotate copies** method, watch the video for the quick guide.

[inkscape_rotatecopies_guide.mp4](#)

You can design any type of shape you like as long as it fits into one piece of acrylic and follows similar principals to distribute weight, bulb height etc.

NOTE: Something important to remember is to not merge your notches with your circle until you are happy with how many you have and the sizes, as once you choose 'Difference' you won't be able to

edit. Making copies of the files and saving as Working Stage and Laser ready is a good way you can organise your files.

If you are using a simple geometric shape, you can use the **Create Tiled Clones** tool to create an array, this will create a copy of the original so make sure to delete one of them, video guide here.

[inkscape_createtiledclones_guide.mp4](#)

Dimensions to note

- Inner circle for light fitting ring (Ikea type) 28mm
- Height to fit light fitting ring 75-80mm
- Height to fit light fitting with bulb coverage ??
- Ring diameter 90 - 120mm (ours are 110mm)
- Amount of panels will vary on shape and how many you can fit on a sheet or the aesthetic you're going for

Design Files

Design	Notes	Material width	Slots	Sheet size	File
Palm		3mm	12	590x375	palmtreex12_lamp_editable.pdf
Basic Rectangle panels	Editable slot sizes (cloned parts)	3mm	25	600x300	panelx25_lamp.pdf
Geometric style panels - overlapping top	Laser ready file	3mm	10	600x300	geometric_style_lamp.pdf
Round tiered panels	Laser ready file	3mm	36	A2	round-tiered-lamp-36panels.pdf