



Lotus Lamp



Cheesus

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Summary

This was originally designed with the intention of looking like a pine cone (why i went for brown petals :D) but on...

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This was originally designed with the intention of looking like a pine cone (why i went for brown petals :D) but on assembly looks more like a lotus flower so here is my Lotus Lamp.

This is designed to fit over a standard light fitting. The "petals" are printed thin enough that they are illuminated by the light bulb inside (use a low wattage led to minimise heat).

I'm sure this would look awesome with heaps of different petal colours or I might even reprint them all in glow-in-the-dark filament!

Print instructions

Inspect the lamp inserts. Depending on how well dialled in your printer is you might need to flex the insert a bit in case any of the slits in the inserts are fused together. This is much more easily done before assembly.

All files print facedown. No supports required.

Assembly

Insert the lamps insert in to the two lamp collars by pushing together firmly at the horizontal notch in the top and bottom of the insert. No adhesive should be required.

Continue this process with the remaining 9 inserts (for 10 total) until you have a frame consisting of the 2 collars and 10 inserts in which to insert the petals.

The petals are inserted in to the slits in the lamp inserts by simply pushing them in (no adhesive required). Each petal should be inserted in to 2 of the insert slits to make a row of 5 petals

The petals should be inserted in a staggered pattern with each row filling the space left from the row before (see pics)

the petals should be inserted as such:

Row 1-4 small petals

Row 5-8 large petals

Row 9-12 small petals

(the petals are 0.4mm thick so layer height should be set to 0.2mm [or a multiple of 0.4])

Note

The lamp can either be assembled on your choice of lamp or attached after assembly.

If attaching after assembly you will need to remove some of the petals on one side to allow room to insert the globe from the side after being placed over the light socket

Quantities Required

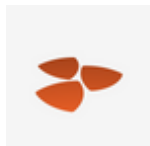
Lamp Collar x 2

Lamp Inserts x 10

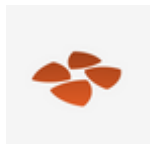
Lamp Petals (Large) x 20

Lamp Petals (Small) x 40

Model files



lamp-petals-large.3mf



lamp-petals-small.3mf



lamp-collar.3mf



lamp-inserts.3mf

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