



Ring Light with Tripod



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Summary

100% printable professional Ring Light with Tripod that is also portable.

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Description

You would like to have a Ring Light but you lack money, maybe motivation, or you just want to use the potential of your 3d printer?

Then I have here for you the **first 100% printable Ring Light with Tripod!**

*of course, the light source cannot be printed

Before you start

Although the product is fully printable the LED lighting cannot be printed. So you **need to buy LED strip and power supply**. The ring has an opening for the cable at the back. If you are interested in how the product

is assembled, **see the Assembly chapter.**

To buy an LED strip and a power supply, I suggest the following link:

- More expensive and better version (I use this one):
https://www.amazon.de/dp/B07K38KYB9/ref=cm_sw_r_apo_i_A5XBCYYCGG4YY4NZ0MPP_0?th=1
- Cheaper version:
https://www.ebay.com/itm/124739509864?mkcid=16&mkevt=1&mkrid=711-127632-2357-0&ssspo=4vubfd_srrm&sssrc=234

Of course, you can choose any other LED strip you want.

Dimensions

1. Folded: **28 x 19,5 cm**
2. Unfolded and fully extended: **73 X 19,5 cm**

Material

The product is designed for printing with PLA.
PETG works as well.

For the entire print you will need about 600g of filament, and it will print in 30 hours.

With the MK3s, you will be able to print everything in just three rounds.

The entire stand costs only around 20€.

Assembly



Stand assembly pieces Step 1:



Take the **Legs** and assemble them together with the **Base**.

Step2:



Insert **Extension_1** into **Base** and tighten them with **Base_Screw**.

Step3:



Insert **Extension_2** into **Extension_1** and screw them with **Extension_1_Screw**.

Step4:



Place the **Swivel_Base** on **Extension_2** and fasten them with the **Swivel_Base_screw**.

Step5:



Place the **Adapter_Mount** on the **Swivel_Base** and fasten them with the **Adapter_Mount_Screws** (pay attention to the orientation of the Adapter_Mount part).

Step6:



Place **Phone_Stand** on **Adapter_Mount** and fasten them with the **Adapter_Mount_Screws**.

Step7:



Take the **Ring** part and **stick the LED strip** into it. You need to cut the **strip to 60 cm** for one turn (one turn will be enough for powerful LED lights). Glue it to the outer inner edge. Add a small tie to the cable inside the ring so you don't accidentally pull the cable out of the ring. Now check if the LED strip works. If it works, then proceed to the next step.

Step8:



Put **Cover_for_Ring_Transparent** on **Ring**. With a little effort, you will succeed.

Cover_for_Ring_Transparent **must be transparent!**

Step9:



Place assembled **Ring** and **Phone_Stand** (optional) on **Adapter_Mount** and fasten them with the **Adapter_Mount_Screws**.

Step10:

Enjoy!!

Want an update?

I know that there is always room for improvement so let me know :)

Model files



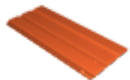
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cover_for_ring_transparent_20infill_2perimeters.stl



base_20infill_4perimeters.stl



3x_legs_20_infill_2perimeters.stl



extension_1_20infill_2perimeters.stl



base_screw_100infill_4perimeters.stl



extension_2_20infill_2perimeters.stl



extension_1_screw_100infill_4perimeters.stl



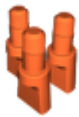
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swivel_base_screw_100infill_4perimeters.stl



adapter_mount_100infill_4perimeters.stl



adapter_mount_screws_100infill_4perimeters.stl



phone_stand_upright_20infill_3perimeters.stl



phone_stand_horizontal_20infill_3perimeters.stl

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