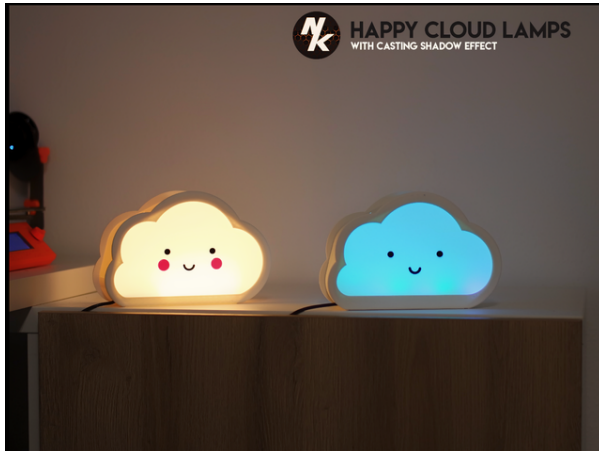




## Happy Cloud Lamps - With Casting Shadow Effect



Nils Kal

[VIEW IN BROWSER](#)

updated 23. 10. 2022 | published 23. 10. 2022

### Summary

Here is my design of a happy cloud lamp - the cute little light for your toddler!



11.37 hrs



4 pcs



0.25 mm  
0.20 mm  
0.15 mm



0.40 mm



PLA



148 g



Prusa  
MK3/S/S+

[Household](#) > [Bedroom](#)

Tags: [baby](#) [cloud](#) [gift](#) [lamp](#) [led](#) [ledstrip](#) [light](#)  
[toddler](#)





# HAPPY CLOUD LAMPS

WITH CASTING SHADOW EFFECT

Here is my design of a happy cloud lamp - the cute little light for your toddler! The lamp will cast a shadow of the stars to the ceiling (see pictures).

You won't need anything but an LED strip as additional hardware for this lamp, also the print is relatively easy and won't need any supports. The cheeks are optional, choose whatever you like more!

Note: I changed the .gcode/.3mf from the front cover after I took the pictures to have less shine through at the cloud frame.

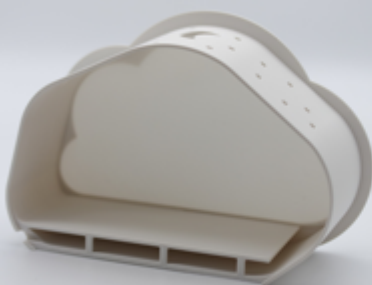
## Installation guide:

### 1. PRINT ALL REQUIRED PARTS.



### 2. CLICK IN THE BACKPLATE. THERE IS A SMALL EDGE WHERE THE BACKPLATE WILL BE SNAPPED BEHIND.

(MAY ALSO USE A BIT OF GLUE)





**This step is no longer needed due to a change in design! You only need to glue in the cheeks now if you like!**



Have fun with your new lamp!

This design is still subject to change so check back again for updates (I already made some changes after taking the pictures so they might differ from the printed version).

### **Changelog:**

09/05/2020: Changed the design so you don't need to glue in the eyes and mouth anymore, they will now directly printed to the backplate.

++++  
++++

If you like this file or need some adjustments feel free to leave a comment.  
A rating or tip is also welcome and may check out my other designs!  
Happy printing!



## Print instructions

### Summary:

- Use .3mf files for optimized print settings
- Print as aligned
- No supports needed
- PLA will probably be fine

### Files needed:

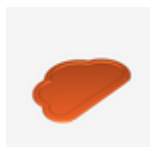
- cover\_rc2.3mf / .stl
- main\_rc1.3mf / .stl
- backplate\_rc2.3mf / .stl

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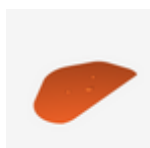
## Model files



**main\_rc1.3mf**



**cover\_rc2.3mf**



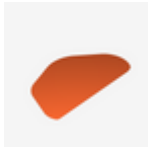
**backplate-rc2.3mf**



**cheeks\_rc1.3mf**



**main\_rc1.stl**



**backplate-rc2.stl**



**cover\_rc2.stl**



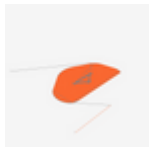
**cheek.stl**

## Print files



**main\_rc1\_025mm\_pla\_mk3s\_8h14m.gcode**

⚙️ PLA ⚙️ 0.40 mm ⚙️ 0.25 mm ⌚ 8.23 hrs ⚖️ 115 g 🖨️ Prusa MK3/S/S+



**backplate-rc2\_02mm\_pla\_mk3s\_49m.gcode**

⚙️ PLA ⚙️ 0.40 mm ⚙️ 0.20 mm ⌚ 0.81 hrs ⚖️ 7 g 🖨️ Prusa MK3/S/S+



**cover\_rc2\_02mm\_pla\_mk3s\_2h16m.gcode**

⚙️ PLA ⚙️ 0.40 mm ⚙️ 0.20 mm ⌚ 2.26 hrs ⚖️ 25 g 🖨️ Prusa MK3/S/S+



## cheek\_015mm\_pla\_mk3s\_4m.gcode

🌀 PLA 🌀 0.40 mm 🌀 0.15 mm 🕒 0.07 hrs 📊 1 g 🖨️ Prusa MK3/S/S+

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