



Christmas Bauble



Marv

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Summary

Customizable battery powered Christmas tree bauble. Featuring Snowman and illuminating Lamppost.



5.55 hrs



3 pcs



0.20 mm



0.40 mm



PLA



40 g



Prusa
MK3/S/S+

[Seasonal designs](#) > [Winter & Christmas & New Year's](#)

Tags: [christmas](#) [snowman](#) [battery](#) [cr2032](#) [christmastree](#)
[bauble](#)

Customizable battery powered Christmas tree bauble. Featuring Snowman and illuminating Lamppost.

Print instructions

I've designed to bauble to use as little supports as possible. There are only 2 files that require supports: Top and Bottom. The Lamppost doesn't require supports if printed in an upright (vertical) position. Although, I prefer to print it flat (horizontal) with supports as this gives a much better finish.

The GCODE files have been supplied for the Top and Bottom of the bauble. For best results, these are printed on a 2 layer Raft with Supports. I've also included the GCODE for the battery cover as this looks best printed upright (vertical) with a 3-4mm Brim for additional support. Printing the battery cover upright ensures the layers match that of the bauble.

Part List

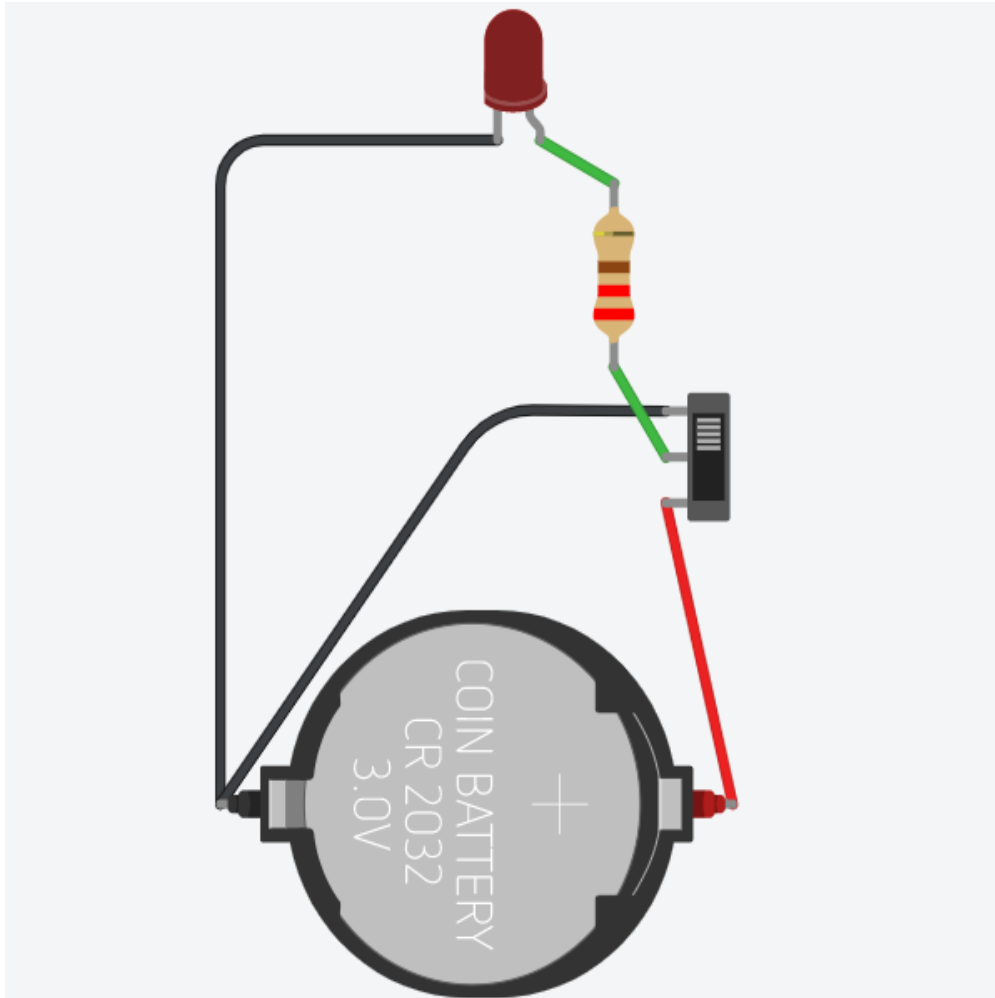
- SPDT switch **(optional)**
- CR2032 holder **(optional)**
- 220Ω resistor **(optional)**
- 3mm LED **(optional)**
- M2 x 8mm **Note: M2-M2.5 dia | 8mm max length**
- Glue

Additional print settings

- Top (Raft | Support)
- Bottom (Raft | Support)
- Battery cover (Brim)

LED Circuit (Optional)

The circuit for the LED in the lamppost couldn't be easier:



Assembly

Note: Skip to step 6. if you're not using the led circuit

1. Glue to CR2032 battery holder into the battery_holder_cap.
2. Glue the battery_holder_cap inside the bottom half of the bauble.
3. Connect wires to the + and - terminals of the LED and glue it into the lamppost.
4. Thread the wires of the lamppost through the center insert.
5. Assemble the circuit like the one shown above.
6. Glue the topper onto the top half of the bauble.
7. **Optional** insert the background scene into the provided slot.
8. **Optional** insert the snow floor.
Note: To get the snow to flow over the center insert just hold it in place then slightly heat the front. Once heated just push it down over the edge with your finger when it is cooled glue to in place.
9. Insert the center insert and screw it into the bottom half of the bauble.
10. Finally, attach the top half of the bauble and insert the 2 screws to secure it in place.

Customizability

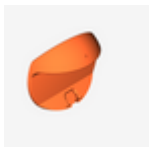
Model files



top.stl



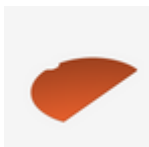
bottom.stl



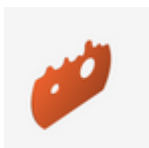
center_insert.stl



battery_cover.stl



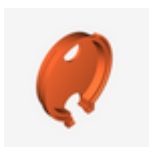
optional_background_scene.stl



optional_snow.stl



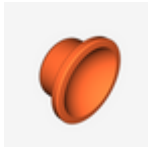
topper.stl



battery_holder_cap.stl



snowman.stl



snowman_hat.stl



lamppost.stl

Print files



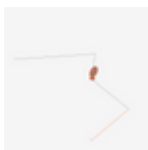
top_02mm_pla_mk3_1h30m.gcode

🌀 PLA 🌀 0.40 mm ⇌ 0.20 mm ⌚ 1.50 hrs ⚖️ 12 g 🖨️ Prusa MK3/S/S+



bottom_02mm_pla_mk3_3h47m.gcode

🌀 PLA 🌀 0.40 mm ⇌ 0.20 mm ⌚ 3.78 hrs ⚖️ 27 g 🖨️ Prusa MK3/S/S+



battery_cover_02mm_pla_mk3_16m.gcode

🌀 PLA 🌀 0.40 mm ⇌ 0.20 mm ⌚ 0.27 hrs ⚖️ 1 g 🖨️ Prusa MK3/S/S+

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