



Light sphere 36cm twisted



TomvH

[VIEW IN BROWSER](#)

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Summary

Pendant lamp in the form of a sphere. Made up of 5 and 6 pointed twisted stars, clamped together with paper splitpens.



N/A



3 pcs



0.20 mm



0.40 mm



PET



N/A



Prusa
MK3/S/S+

[Household](#) > [Home Decor](#)

Tags: [lamp](#) [led](#) [ledlamp](#) [light](#) [lighting](#) [pendant](#)
[pendantlamp](#) [suspender](#)

The sphere has a diameter of 36cm. It is made up from 12 five point stars and 20 six point stars, but this time the stars are twisted. This gives a very organic effect. It's based on a truncated icosahedron. One of the six point stars houses the fitting. The stars are connected with paper splitpens.

Here is an example of how to stick them together

<https://www.alamy.com/truncated-icosahedron-soccer-ball-template-for-making-a-3d-object-out-of-the-net-with-twelve-black-pentagonal-and-twenty-white-hexagonal-faces-image189240624.html>

I also included a small and sober ceiling mounting. You want the ball to catch the eye.

In my model I used this fitting. <https://www.hubo.be/nl/p/fitting-e27-met-ring-wit/98551.html>

The hole for this fitting is 40mm diameter. I included .step files so you can adapt it for your own fittings.

The bulb is a philips 9290030109

Have fun.

Model files



sixpointstar.3mf



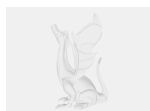
fivepointstar.3mf



sixpointstarforfitting.3mf



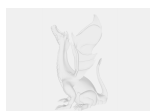
basisplaatje.3mf



kapje.step



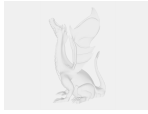
kapje.3mf



basisplaatje.step



zeshoekster-v3.step

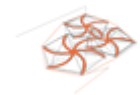


vijfhoekster-v3.step



zeshoekster-voor-socketv3.step

Print files



2fivepointstarsand1sixpointstar-v3_02mm_petg_mk3s_5... .gcode

⚙ PET ⚙ 0.40 mm ⚙ 0.20 mm ⌚ 0.84 hrs ⚖ 8 g 🖨 Prusa MK3/S/S+



sixpointstarforfittingv3_02mm_petg_mk3s_21m.gcode

⚙ PET ⚙ 0.40 mm ⚙ 0.20 mm ⌚ 0.35 hrs ⚖ 3 g 🖨 Prusa MK3/S/S+



2sixpointstarv3_02mm_petg_mk3s_41m.gcode

⚙ PET ⚙ 0.40 mm ⚙ 0.20 mm ⌚ 0.69 hrs ⚖ 7 g 🖨 Prusa MK3/S/S+

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