

## Prusa MK3 Ikea LACK enclosure



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[VIEW IN BROWSER](#)

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### Summary

Prusa MK3 corner enclosure.



24.25 hrs



8 pcs



0.20 mm



0.40 mm



PLA



301 g



Prusa  
MK3/S/S+

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[corner](#)

My Prusa MK3 enclosure.

It features:

- 2 full size front doors for easy access to the printer
- walls and doors easily removable without tools
  - back walls snap on with magnets
  - doors use lift off hinges
- spool holder mount for original Prusa "T" holder
- wide slot filament guide
- adjustable LED lighting

- cable pass through for USB and lighting
- power cord pass though – PSU inside or outside

The design was inspired by:

- <https://www.printables.com/model/14152-prusa-i3-mk3-corner-enclosure-ikea-lack-table>
- <https://www.thingiverse.com/thing:4631227>

Parts list:

- 2ea Ikea Lack tables (2 tops and 3 legs)
- 4ea 18"x24"x.08" plexiglass sheets
- 4ea 5/16"-18 x 2.5" bolts & nuts (spool holder mount)
- 32ea M3x8 screws and nuts (4 per plexiglass panel)
- 6ea 5/16"-9 x 1.5" lag screws (attach 2 leg mounts to 2 tops)
- 6ea #6 x 1.25" drywall screws (optional, secure leg mounts to legs)
- 24 magnets:
  - 8ea 12x2 - for leg mounts to attach back walls
  - 8ea 10x3 - for 2 wall panels
  - 8ea 8x2 - for 2 door panels
- LED strip 12V with dimmer
  - <https://www.amazon.com/dp/B07DZRNQCW>
- LED strip connectors (to attach cut LED strips)
  - <https://www.amazon.com/dp/B01DM7ER5Q>

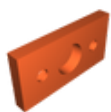
The filament guide

- <https://www.printables.com/model/16521-filament-guide-for-ikea-lack-enclosure>

The spool holder mount

- <https://www.printables.com/model/246719-original-spool-holder-adapter>

## Model files



**doorinsidemag-v14.stl**

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### **dooredge-v16.stl**

📄 4 needed

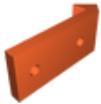
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### **backcorner-v14.stl**

📄 2 needed

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### **dooroutside-v16.stl**

📄 4 needed

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### **frontcorner-lowerleft-v15.stl**



### **frontcorner-lowerright-v15.stl**



### **doorstop-v17.stl**

📄 2 needed

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### **hingeback-v14.stl**

📄 4 needed

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### **hinge-lowerleft-v17.stl**



### **doorhandle-v16.stl**

📄 2 needed

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### **frontcorner-upperright-v15.stl**



**hinge-upperleft-v17.stl**

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**frontcorner-upperleft-v15.stl**

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**hinge-upperright-v17.stl**

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**panelback-v14.stl**

 8 needed

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**hinge-lowerright-v17.stl**

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**panelmag-v14.stl**

 8 needed

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**doormagparts-v16.3mf**

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**dooredge-v16.3mf**

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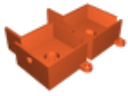
**frontcorner-ullr-v15.3mf**

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**doorhandle-v16.3mf**

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**frontcorner-llur-v14.3mf**



**hingeparts-v17.3mf**



**panelmag-v14.3mf**



**dooroutside-v16.3mf**



**backcorner-v14.3mf**



**enclosure-v17.f3d**

## Print files



**doorstop-v17\_02mm\_10\_2p\_51m\_285243m\_solutech-black-... .gcode**

⚙️ PLA ⚙️ 0.40 mm ⚙️ 0.20 mm ⌚ 0.86 hrs ⚖️ 8 g 🖨️ Prusa MK3/S/S+



**2x-doorhandle-v16\_02mm\_10\_2p\_2h29m\_10199m\_solutech-... .gcode**

⚙️ PLA ⚙️ 0.40 mm ⚙️ 0.20 mm ⌚ 2.48 hrs ⚖️ 30 g 🖨️ Prusa MK3/S/S+



### 4x-dooredge-v16\_02mm\_10\_2p\_3h57m\_165684m\_solutech-b... .gcode

🌀 PLA 📏 0.40 mm 📐 0.20 mm ⌚ 3.94 hrs ⚖️ 49 g 🖨️ Prusa MK3/S/S+



### 16x-panelmag-v14\_02mm\_10\_2p\_2h59m\_130685m\_solutech-... .gcode

🌀 PLA 📏 0.40 mm 📐 0.20 mm ⌚ 2.99 hrs ⚖️ 38 g 🖨️ Prusa MK3/S/S+



### frontcorner-ullr-v15\_02mm\_10\_2p\_3h55m\_17361m\_solute... .gcode

🌀 PLA 📏 0.40 mm 📐 0.20 mm ⌚ 3.92 hrs ⚖️ 51 g 🖨️ Prusa MK3/S/S+



### hingeparts-v17\_02mm\_20\_2p\_1h35m\_492542m\_solutech-bl... .gcode

🌀 PLA 📏 0.40 mm 📐 0.20 mm ⌚ 1.58 hrs ⚖️ 15 g 🖨️ Prusa MK3/S/S+



### frontcorner-llur-v14\_02mm\_10\_2p\_3h55m\_173687m\_solut... .gcode

🌀 PLA 📏 0.40 mm 📐 0.20 mm ⌚ 3.92 hrs ⚖️ 52 g 🖨️ Prusa MK3/S/S+



### 2x-backcorner-v14\_02mm\_10\_2p\_4h33m\_193493m\_solutech... .gcode

🌀 PLA 📏 0.40 mm 📐 0.20 mm ⌚ 4.56 hrs ⚖️ 58 g 🖨️ Prusa MK3/S/S+

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