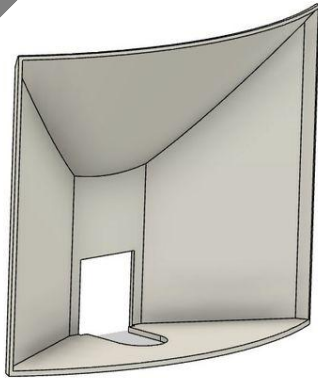


3D MODEL ONLY



# Backside Enclosure for Lithophane Nightlight

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## Summary

Replacement with better light control for the nightlight base that's an option on lithophane generators like itslitho.

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

Tags: [lithophane](#) [enclosure](#) [diffuser](#) [lithophanelight](#) [reflector](#) [nightlight](#)

## Application

Adds a reflector/diffuser and replaces the base from the night light lithophane from itslitho.com and others. The photo shows the improvement in light distribution. The hotspot is nearly eliminated and the illumination of the image is much more even. The intensity of the stray light from the back and sides is reduced and softened.

A parametric Fusion360 file is provided for custom sizes.

## Usage

To use the included .stl files note that the dimension is part of the file name as HeightxWidthxAngle. Simply generate the lithophane to match one of the files.

For a custom size the .f3d file can be opened in Fusion360 and the parameters adjusted to match the lithophane.

Place both STLs on the build plate and move until they just touch or slightly overlap. No need for supports. Be sure to check the preview to verify proper merging.

## Cost

The enclosure added about 30% to the print time and 60% to the filament usage for the two samples in the photo.

## Model files

**nightlight-enclosure-v3-100x112-x60d.stl**

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**nightlight-enclosure-v3-100x124x60d.stl**

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**nightlight-enclosure-v3-100x133x60d.stl**

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**nightlight-enclosure-v3-100x150x60d.stl**

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**nightlight-enclosure-v3.f3d**

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