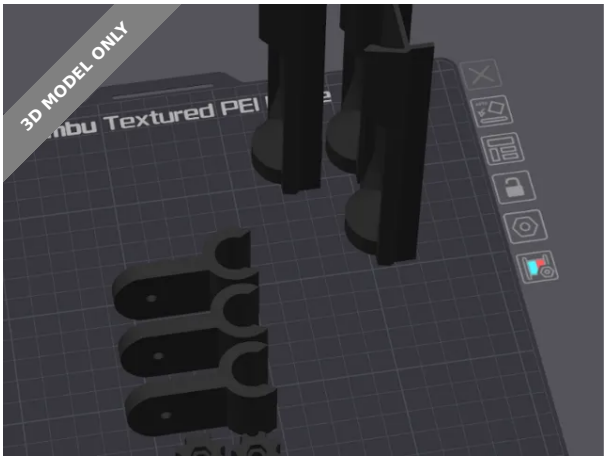


SANlight FLEX 2 grow tent pole mount – V2 (adjustable)

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VIEW IN BROWSER

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Summary

Clip-on mount for SANlight FLEX LED bars on grow tent poles.

Household > Outdoor & Garden

Tags: halter zelt flexii

SANlight FLEX 2 grow tent pole mount – V2 (adjustable)

Clip-on mount for SANlight FLEX LED bars on grow tent poles. The stock bracket is bent sheet metal and tends to scratch the aluminium housing; this one holds the bar in a printed channel.

What’s new in V2: my first version had a fixed angle, and to point the lamp up or down you had to swap the holders between sides. V2 has a knob: loosen it, tilt the lamp to any angle between straight down and horizontal, tighten it again. The lamp also sits ~35 mm away from the pole, so less light hits the back wall.

You can clip it onto the side poles of the tent, or hang a pair of extra poles from the roof with ratchet hangers and clip the lamps onto those.

What you need (per holder, two per lamp)

- flex_lamp_mount.stl
- flex_pole_clip_XXmm.stl for your pole diameter (16 / 18 / 20 / 22 mm)
- flex_knob.stl
- M4 nut + M4×20 hex head screw (the head goes into the knob)
- or, without a hex screw: M4×25 with any head + 2 M4 nuts (one nut goes into the knob, screw it on from the top until the head sits on the nut)

Mounting options

All three use the same knob and screws.

- **Offset (standard):** flex_lamp_mount.stl + flex_pole_clip_XXmm.stl. The lamp sits about 35 mm in front of the pole, so less light hits the tent wall.
- **Inline:** flex_lamp_mount.stl + flex_pole_clip_inline_XXmm.stl. The pole crosses the lamp’s axis 10 mm above the knob, so the lamp sits in line with the poles. This works well to create a little bit more distance to the plants e.g. useful for lighting from the sides.
- **Vertical (lighting the corners):** flex_lamp_mount_short.stl + flex_pole_clip_vertical_XXmm.stl. The lamp hangs vertically along a corner pole. The short mount is 85 mm long; the long one is only that long so a FLEX 20 fits a 120 cm tent. The vertical clip prints flat, clamping face down.

Printing

No supports needed.

- Lamp mount upright, maybe with a brim because of the height. For me it worked without, but I use z-hop.
- Clip on its side, so it flexes along the layers.
- PETG is recommended. PLA tends to loosen in a warm tent.

Assembly

Push an M4 nut into the slot in the lamp mount. Screw the knob through the clip into that nut; the screw pokes through a thin sacrificial layer at the slot. Slide the lamp in from below, snap the clip onto the pole, set the angle and tighten the knob.

Files

- STEP/flex_holder_assembly.step, STEP/flex_holder_vertical_assembly.step: full assemblies

- Fusion/*.f3d: parametric source files (e.g. rohr_d = pole bore, maul_b = clip opening, seiten_t = channel wall thickness)

Model files

step 3 files



flex_holder_assembly.step



flex_holder_vertical_assembly.step



flex_holder_inline_assembly.step

Fusion 6 files

flex_lamp_mount_short.f3d

flex_lamp_mount.f3d

flex_pole_clip.f3d

flex_pole_clip_vertical.f3d



flex_pole_clip_inline.f3d



flex_knob.f3d



STL 15 files



flex_lamp_mount.stl



flex_lamp_mount_short.stl



flex_knob.stl



flex_pole_clip_16mm.stl



flex_pole_clip_18mm.stl



flex_pole_clip_20mm.stl



flex_pole_clip_22mm.stl



flex_pole_clip_vertical_16mm.stl



flex_pole_clip_vertical_18mm.stl



flex_pole_clip_vertical_20mm.stl



flex_pole_clip_vertical_22mm.stl



flex_pole_clip_inline_16mm.stl



flex_pole_clip_inline_18mm.stl



flex_pole_clip_inline_20mm.stl



flex_pole_clip_inline_22mm.stl

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