

Parts for homemade
ARAPUCA setup

Short horizontal rail for shifting of SiPM board

- **Length:** 250 mm
- **Purpose:** simplify horizontal scanning of LED intensity at different angles with only one SiPM
- **Costs:** 75.22€
- [Link](#)



Railplate for SiPM board

- **Purpose:** Required to mount SiPM board holder on rail
- **Costs:** 81.81€ (possibly two pieces, depending on whether the plate on which the LED currently is fixed is compatible)
- [Link](#)



Post for shifting LED

- **Height:** 125 mm
- **Purpose:** enable vertical scanning of LED intensity at different angles with only one SiPM
- **Costs:** 44.27 €
- [Link](#)



Post holder

- **Costs:** 15.45 €
- [Link](#)



Mounting post bracket

- **Costs:** 97.38 €
- [Link](#)



Long horizontal rail for shifting of LED

- **Length:** 500 mm in stock, ideally between 300 and 400 mm, we could ask Thorlabs for a quote
- **Purpose:** enable easy movement of LED perpendicular to SiPM, more precise adjustment of light cone projection in SiPM plane
- **Costs:** 112.35€ (stock version)
- [Link](#)



LED mount

- **Costs:** 23.12 €
- [Link](#)
- Note: Compatibility with power socket needs to be determined



Power mount

- **Info:** USB powered
- **Costs:** 43.40 €
- [Link](#)



Total costs

- ~493.00 € (~574.81 € if we need two rail plates)

LED frame/mount

- **Purpose:** holding the LED in a precise position. Compatible with TO-18 LEDs
- **Costs:** 31.48 €
- [Link](#)

