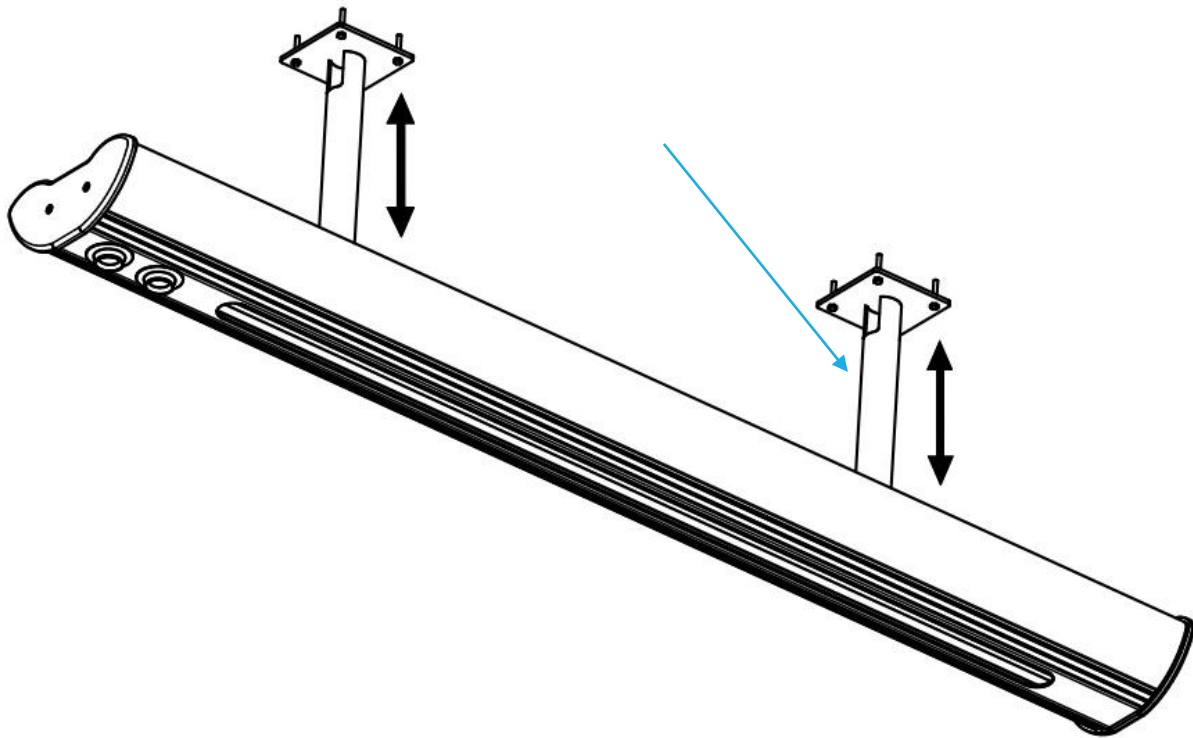


Telescopic Light Pendant

Overview of Project

To design adjustable pendants for a light beam



Current pendants need to be fabricated for each order according to ceiling height/structure.

To have 2 or 3 different telescopic lengths pre made ready to ship that will cover from 20"-60"

Support 100 pounds

Design Criteria



- Pendant needs to telescope to adjust height of light at time of install, at which point it needs the ability to lock in position permanently
- If pendant is not locked in correctly, some type of safety stop needs to be permanently installed to prevent light from falling
- Minimum internal dimension will need to easily hold 4 12/3 MC armored cables (1/2" round)
- Shape does not have to be round
- Aluminum Extrusion is acceptable and may be best way to get all features incorporated
- Pendants are to be painted if steel or anodized if aluminum
- End plates (5"x5"x1/4" thick) can be mechanically fastened or welded
- To make economically, minimal machining
- Target price under \$50 per assembly

Ergonomic Products