Light Stand
Base: Cut three 8” squares of ¾” plywood and glue together. Drill a 1” hole 1-1/2” deep in the center of the top. Drill holes for 4 magnets at the corners of the bottom. Try to align holes with centers of your lathe bed rails. Mount magnets. Consider AmazingMagnets.com # CUPT750 as they can be mounted with #8 screws, so they don’t fall out and can easily be reused. From 1.5” turning square turn on one end a tenon to fit 1” hole in base. Leave turn other end to fit inside 1” PVC pipe. Glue into base.

PVC Cutting List:

1” PVC:
- One piece 25” long
- One piece 26” long

1-1/4” PVC:
- One piece 1” long
- Two pieces 2” long
- One piece 25” long

Support: Glue the two 2” long 1-1/4” pieces into a 1-1/4” Tee. Using a #7 drill and a 1/4x20 tap, drill and tap holes for ¾” long 1/4x20 thumbscrews at (look at picture):

- Side of one of the 1-1/4” pieces glued into the 1-1/4” Tee
- Non-Tee end of 25” 1-1/4” PVC
- One end of 25” 1” PVC
- Middle of 1” long 1-1/4” PVC

Bottom leg and opposite face of 1” Tee. For larger flashlight: Drill and tap as the 1” on a Tee with a 1” bottom leg and 1-1/4” top legs. Or cut 2” piece of 1-1/4” PVC, glue into bottom leg of 1-1/4” Tee. Drill and tap glued in PVC ad opposite face on Tee.
Reflector removed. Look for one square element in center

Yes

No

multiple LED’s = multiple shadows