Free sample from The Golf Sim Build & Practice Planner. This is worksheet 6 of 20. Get all 20 worksheets: golfsimcave.com/kit/golf-sim-build-planner

Projector Setup Sheet

Throw distance calculated, not guessed, plus brightness for your room's ambient light

Screen / image width (ft)

Projector throw ratio

Ambient light in room (dark / some light / bright)

The formula on this sheet matches this site's own projector throw calculator, so the mount point you plan here is the same one the free tool would give you.

Throw distance formula

Throw distance = throw ratio x image width. Find the throw ratio on the projector spec sheet; short-throw models are usually 0.5 to 0.8. If the spec sheet lists a range, run the formula twice for the minimum and maximum mount distance.

Field	Value
Screen / image width (ft)	
Projector throw ratio	
Calculated throw distance (ratio x width)	

Mount point check

- [ ] Calculated mount point clears your backswing (re-check against sheet 2)
- [ ] Mount point clears the ceiling and any obstructions
- [ ] A short-throw ratio (0.5 to 0.8) was chosen where possible, to keep the projector out of the swing path
- [ ] HDMI or DisplayPort cable length measured to reach the mount point

Brightness for your room's ambient light

Room condition	What to look for
Dark room / blackout	A standard golf-ready projector's lumen rating is comfortable
Some ambient light	Favor a brighter unit; this site's higher-lumen short-throw laser picks are built for this
Bright room	Reduce ambient light first (blackout curtains, angled lighting) before relying on projector brightness alone

Projectors

Current prices and all our picks: golfsimcave.com/kit/golf-sim-build-planner/gear/.

- **PS502W Short Throw Projector**: A bright, value short-throw that fills a screen from a few feet back without a shadow on your swing.
- **GT2400HDR Short Throw Laser Projector**: A golf-ready 1080p laser bright enough to fill a wide screen from a short ceiling mount for years.
- **GT1090HDR Short Throw Laser Projector**: A short-throw laser that accepts a 4K HDR input for crisp course detail from a tight ceiling mount.
- **AH700ST Golf Simulator Laser Projector**: A golf-specific laser with a tall, golf-friendly image and a long-life laser engine.

Current prices and our latest picks for each item: **golfsimcave.com/kit/golf-sim-build-planner/gear/**

Researched guidance, not professional advice. This is researched golf simulator build information, not electrical or professional advice. Test your own full driver swing in the room, follow manufacturer instructions, and use a licensed electrician for any new circuit or wiring.