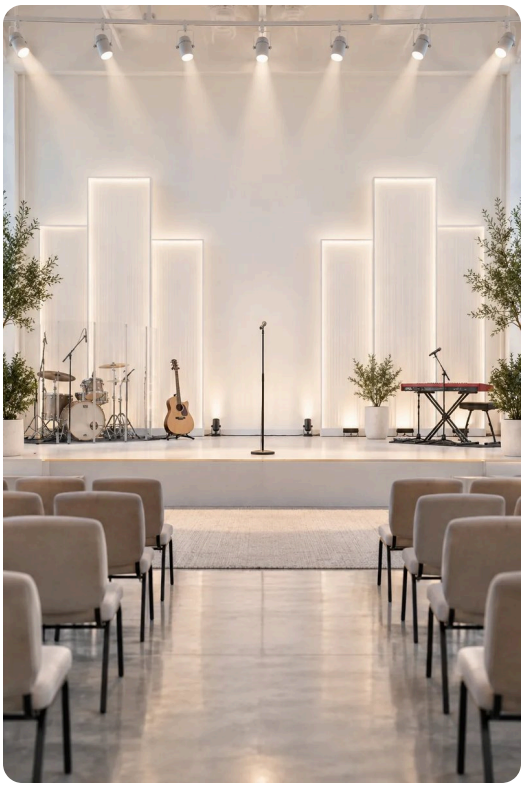
Budget Material & Lighting Cheat Sheet

Your exact dimensions and fixtures for a broadcast-ready worship space.

You can build a professional, glowing worship environment without a stadium budget. Master these strategic angles and materials to transform your stage design.



Core Stage Specifications

Under 5
LRV for flat black latex backdrop

8-10 mm
Fluted polycarbonate sheet thickness

20 degrees
Narrow beam graze LED angle

3200 Kelvin
Warm wash front light temp

Every 3 ft
Tape spacing on floor cable channels

4-6 inches
Distance from floor fixture to panels

45 degrees
Front truss angle above speaker

6-10 feet
Staggered panel heights for focus

Clean Polycarbonate Cuts

Use a fine-tooth circular saw blade installed backward to cleanly slice through the plastic via friction, preventing the delicate internal ridges from shattering.

Build & Install Sequence

1. **Prep the Backdrop** Degloss existing sheen, apply Level 4 drywall finish, and roll tinted dark gray acrylic primer.
2. **Paint the Void** Roll flat black paint using vertical, overlapping strokes to maintain a consistent wet edge.
3. **Build and Mount** Construct flat black 2x4 L-brackets. Fasten panels using black washer-head screws through the flutes.
4. **Route the Cables** Run audio and power in separate channels at 90-degree angles along stage perimeters.

Panel Spacing Strategy

Find your row: **Your stage width**

Your stage width	Your pick	Why
20-foot stage deck	5 panels, 18-inch gap	Creates a breathable visual structure
30-foot stage deck	7 panels, 15-inch gap	Maintains perfect visual symmetry
40-foot stage deck	9 panels, 12-inch gap	Frames the glowing columns beautifully

Pre-Build Checks

- ◯ Measure your usable stage deck width to mark the exact center point.
- ◯ Evaluate the back wall for existing glossy paint that requires deglossing.
- ◯ Check your specific LED fixture wattage to calculate the exact amperage draw.
- ◯ Review your lighting manual to verify safe circuit load capacities before daisy-chaining.
- ◯ Ensure you have a 120-ohm DMX terminator for the final lighting fixture.

Stage Design Notes

Enjoy transforming your worship space into a beautifully balanced, broadcast-ready environment.