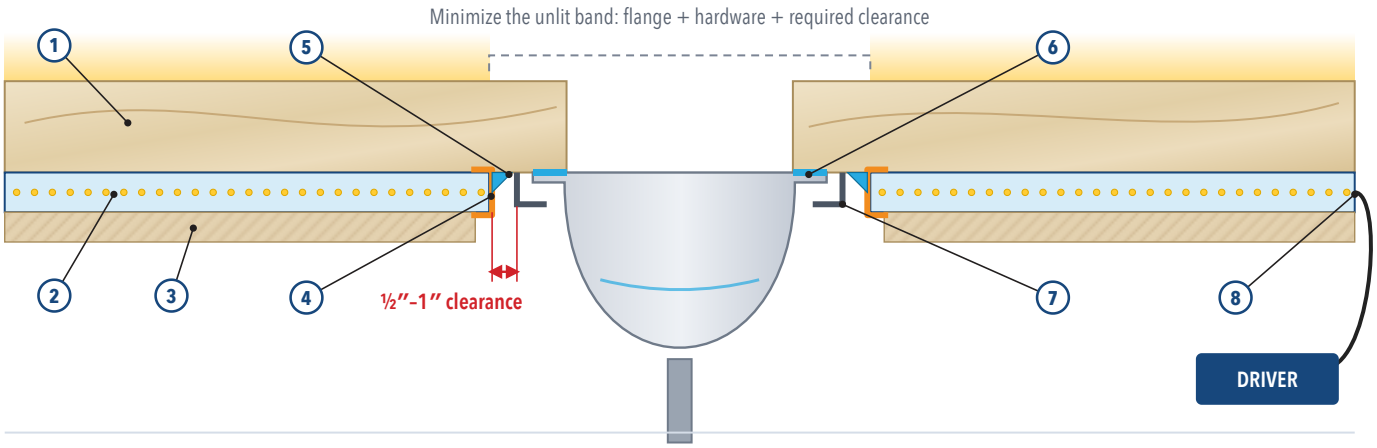
BACKLIT COUNTERTOPS WITH SINKS

Field-cut LightSlab™ around sinks, faucets and drains without creating unnecessary dark area. Keep ½″–1″ clearance around the hardware, cut only in verified clear areas, then seal the exposed edge.

UNDERMOUNT SINK – CORRECT ASSEMBLY AND TIGHTER CUTOUT



1. Stone countertop
2. LightSlab™ – no air gap
3. Flat, continuous support
4. Tape over the full cut edge
5. Silicone: taped edge to stone
6. Sink-to-stone seal
7. Flange + mounting clips
8. Cords away from sink; driver dry

SECTION · NOT TO SCALE

No air gap. Stone rests directly on LightSlab over a flat, continuous support.

No seams on most tops. One 113.4″ × 75.56″ panel covers most counters.

Minimize the unlit band. Do not enlarge the opening to the next grid line unnecessarily.

1 · Clear every obstruction

Include the sink flange, clips, drain body, faucet shank and mounting hardware–not just the visible bowl.

2 · Protect the electrical system

Never cut an LED, solder joint, copper trace, connector or wire. Damage may disable the affected LED or section.

3 · Test before sealing

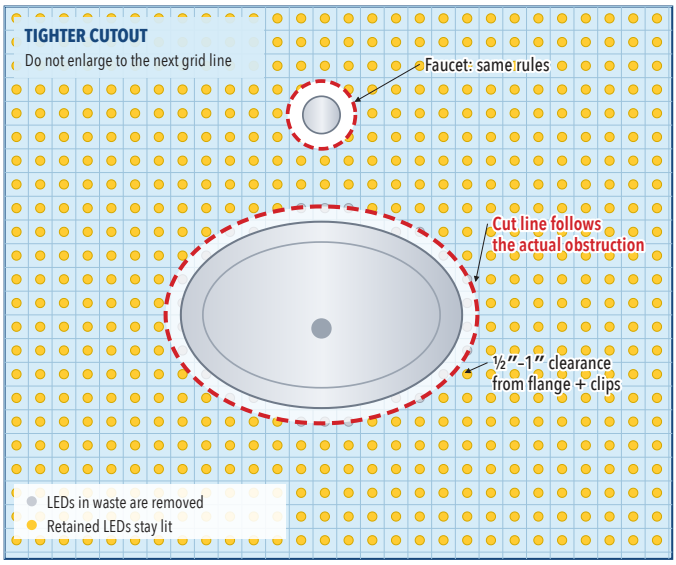
Test after cutting, before applying silicone, and again before the stone is set.

MOISTURE-PRONE INSTALLATIONS: Although LightSlab™ is indoor-rated, it can be used around sinks and in other wet or humid environments when properly prepared. Completely wrap every field-cut edge with approved waterproof tape, then apply a continuous neutral-cure silicone bead to the stone. Keep drivers and electrical connections dry. Not intended for submersion or standing water.

LAYOUT & CUTTING

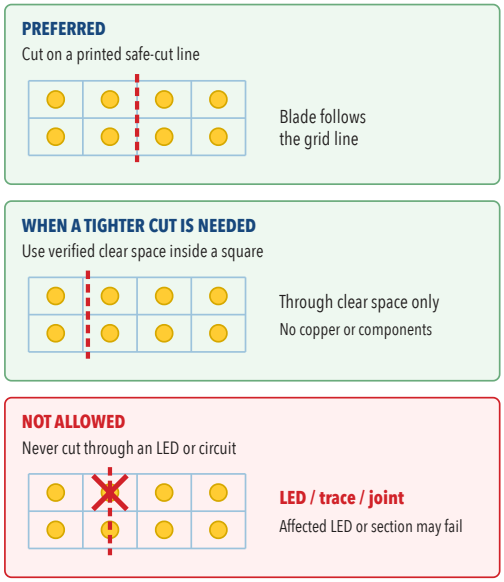
Start with the sink maker's template, then lay out the smallest opening that clears the hardware. Safe-cut lines are preferred; a tighter cut is acceptable only through verified clear space.

PLAN VIEW – TIGHT CUTOUT



PLAN · NOT TO SCALE

WHERE THE BLADE MAY GO

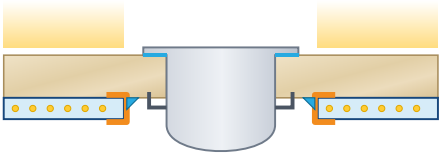


CUTTING SEQUENCE

1. **Template.** Trace everything below the stone: undermount flange and clips, drop-in bowl and clips, or drain/faucet mounting hardware.
2. **Mark clearance.** Offset ½″–1″ beyond that obstruction. Do not automatically move out to the next grid line.
3. **Choose the cut path.** Use printed safe-cut lines where practical. Otherwise verify the path is clear of LEDs, joints, traces, connectors and wires.
4. **Remove the waste.** Score and peel the LightPaper sections inside the opening; cap unused connectors. Drill a starter hole, cut out and finish the acrylic. Remove burrs and dust.
5. **Dry-fit and inspect.** Confirm the sink, clips, drain and faucet hardware fit without forcing the panel.
6. **Test.** Power the panel and inspect the retained areas before taping or sealing.

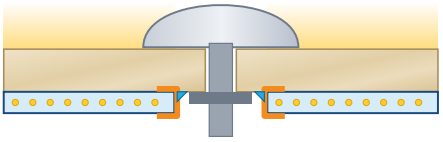
OTHER OPENINGS

DROP-IN SINK



Rim sits on the stone. Clear the bowl + clips.
Same ½″–1″ clearance · tape · silicone

VESSEL SINK



Clear the drain body + mounting nut.
Same ½″–1″ clearance · tape · silicone

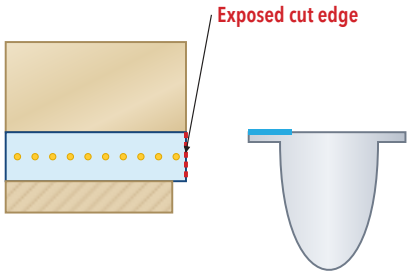
If an electrical component is damaged: the affected LED or section may not power up. The remaining undamaged sections continue operating. Do not conceal the damage–test and have EOS review it before sealing.

Faucet and drain holes follow the same rule: clear the shank or drain body plus its mounting nut/bracket, maintain ½″–1″ clearance, avoid all electrical components, and seal the cut edge.

SEALING, POWER & FINAL CHECKS

The seal is a continuous system: clean edge → non-conductive waterproof tape → neutral-cure silicone to the stone. The sink-to-stone seal is separate and remains the fabricator's standard installation.

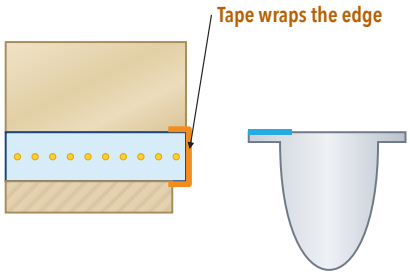
1 · CLEAN, INSPECT & TEST



Inspect for burrs and damage.
Clean with isopropyl alcohol.
Let dry. Test the panel.

DETAIL · NOT TO SCALE

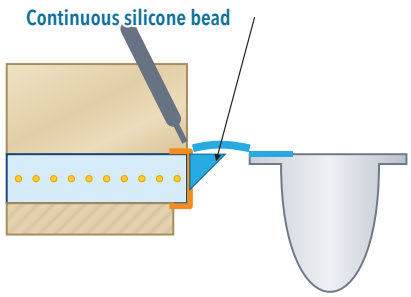
2 · TAPE THE CUT EDGE



Cover the entire cut edge.
Lap ~½″ onto both faces.
Overlap joints; leave no gaps.

DETAIL · NOT TO SCALE

3 · APPLY SILICONE



Bond taped edge to stone underside.
Keep silicone off exposed circuitry.
Cure per label before water exposure.

DETAIL · NOT TO SCALE

Tape first. It covers exposed conductors and creates the surface sealed by silicone.

One continuous bead. Join the taped LightSlab edge to the underside of the stone with no skips or gaps.

Two separate seals. Also seal the sink to the stone normally. One seal does not replace the other.

MATERIALS – READILY AVAILABLE

Tape: clear, waterproof and non-conductive.
3M™ Extreme Sealing Tape 4411N (Amazon, Grainger), or Gorilla® Waterproof Patch & Seal Tape, Clear (Home Depot, Lowe's). Never use foil or metal-backed tape.

Silicone: 100% silicone, neutral cure.
GE® Advanced Silicone 2 Kitchen & Bath, Clear (Home Depot, Lowe's). Never use acid-cure silicone (vinegar smell, such as GE Silicone 1); it can corrode LED circuits.

Porous or light-colored stone: test silicone on an offcut first, or use a non-staining stone silicone tested to ASTM C1248.

Opening	Measure ½″–1″ clearance from
Undermount sink	Outside of flange + clips
Drop-in sink	Bowl + clips
Vessel drain	Drain body + mounting nut
Faucet	Shank + mounting nut/bracket

POWER & FINAL CHECKS

- ☐ Cords exit on the edge away from the sink, with drip loops.
- ☐ Drivers and connections remain in a dry, accessible location, remotely mounted up to 30 ft away.
- ☐ Panel tested after cutting and before sealing.
- ☐ Every cut edge taped continuously; joints overlapped.
- ☐ Continuous silicone bead between taped edge and stone.
- ☐ Sink-to-stone seal completed separately.
- ☐ Silicone cured per manufacturer's instructions before water exposure.
- ☐ Panel tested again before the installation is closed up.

DO NOT SEAL FIRST AND TEST LATER. Once the stone and silicone are in place, a concealed cutting or wiring problem is much harder to correct.