

eos



LightSlabTM

Architectural LED Backlight Panels

Patent Pending

9.4' x 4.7' (2880 x 1440mm) | Ship-Flat | Cut-to-Fit | Field Customizable

Transforming monolithic surfaces into breathtaking functional art.

EOS LightSlab™ turns any translucent surface into a luminous feature, creating seamless, monolithic light without visible hardware or structural compromises.



Backlighting is powerful — but historically painful to install



Custom Fabrication

Every project requires unique LED layouts and bespoke mounting.

Result: Weeks of lead time.



Field Complexity

Electricians wire individual LED strips and align spacing by hand.

Result: High labor cost, inconsistent results, and visible hot spots.



Waste & Rework

Materials don't fit the final shape. Cutting on-site means damaged LEDs and voided warranties.

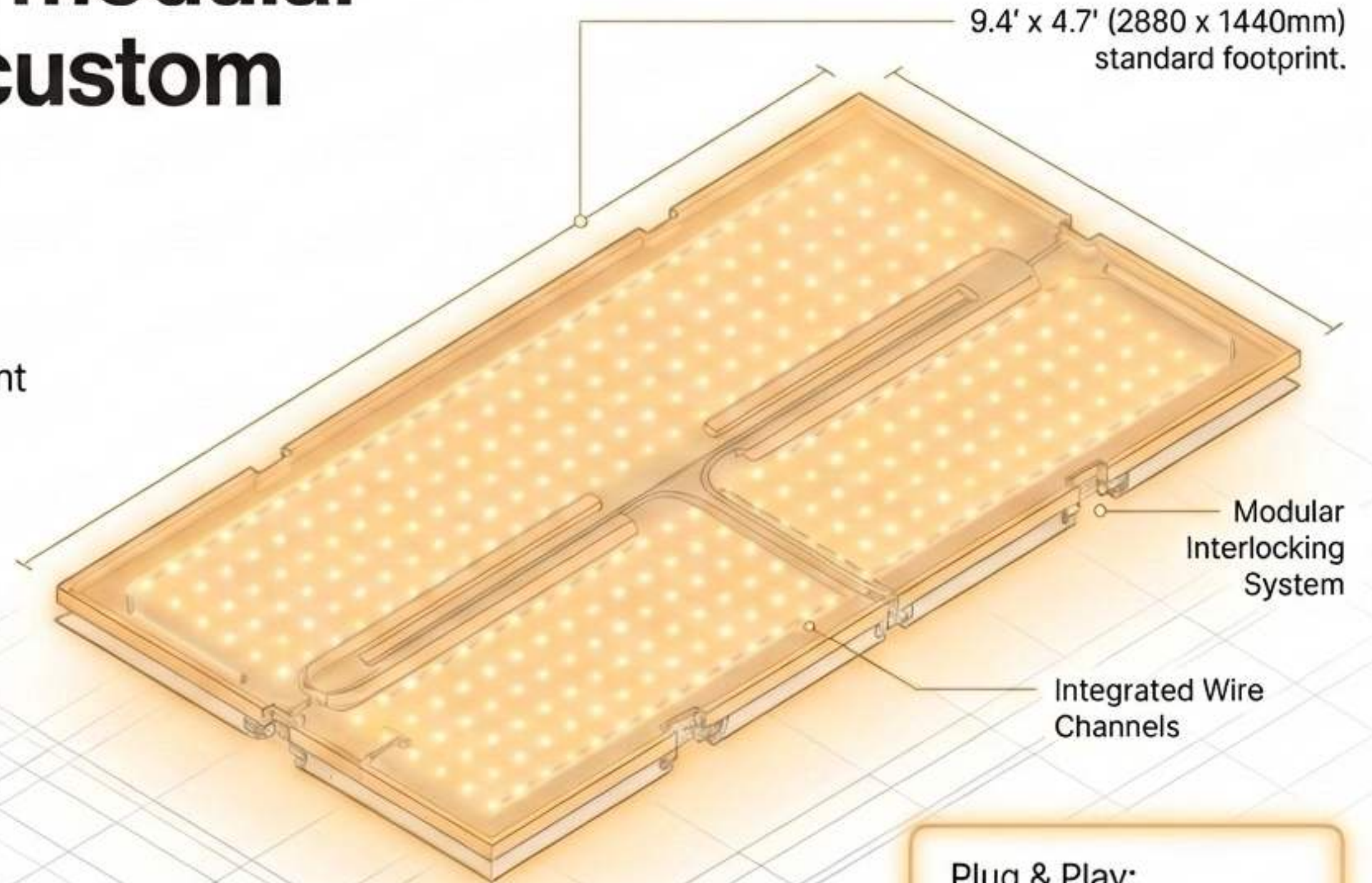
Result: Material loss and high risk of failure.

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Summary: No off-the-shelf solution exists for architects to specify. Every installation currently starts from zero.

Pre-engineered modular panels replace custom layouts

A pre-engineered, ship-flat, cut-to-fit LED backlight panel that turns translucent stone, resin, or glass into a luminous feature straight out of the box.



9.4' x 4.7' (2880 x 1440mm)
standard footprint.

Modular
Interlocking
System

Integrated Wire
Channels

Plug & Play:
24VDC system.

Patent Pending

The unfair advantages of an off-the-shelf lighting solution

Traditional Backlighting		EOS LightSlab™	
✓	Custom engineered per project	✓	Off-the-shelf (Specify by sheet count)
✓	4-8 week lead time	✓	Ships in days, not months
✗	Requires lighting specialist	✓	Any contractor can install
✗	Requires electrical specialist	✓	Uniform light with pre-assembled alignment
✗	Hot spots and uneven illumination	✓	Any electrician can quickly wire

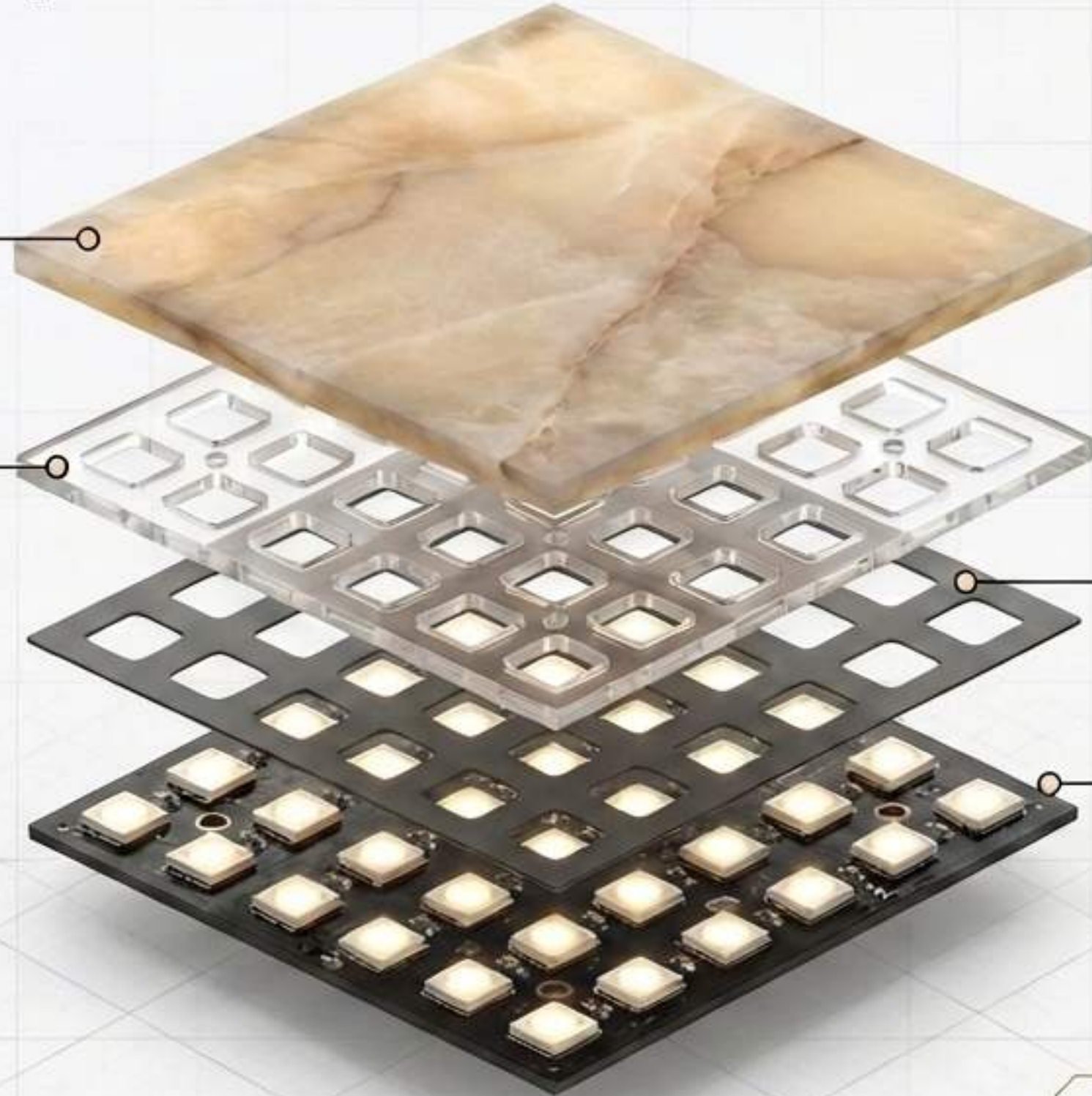
A precision-engineered layer system within a 0.375-inch profile

1. Surface: Air Gap / Adhesive / Translucent Surface (Stone, Onyx, Resin).

2. Core: Acrylic Substrate. Laser-cut LED pockets to match the 36-module array.

3. Bond: 3M VHB Adhesive. Pre-cut to precisely match the pockets.

4. Light: LED PCB Array. Composed of 36 assembled modules, with SMD LEDs seated flush.



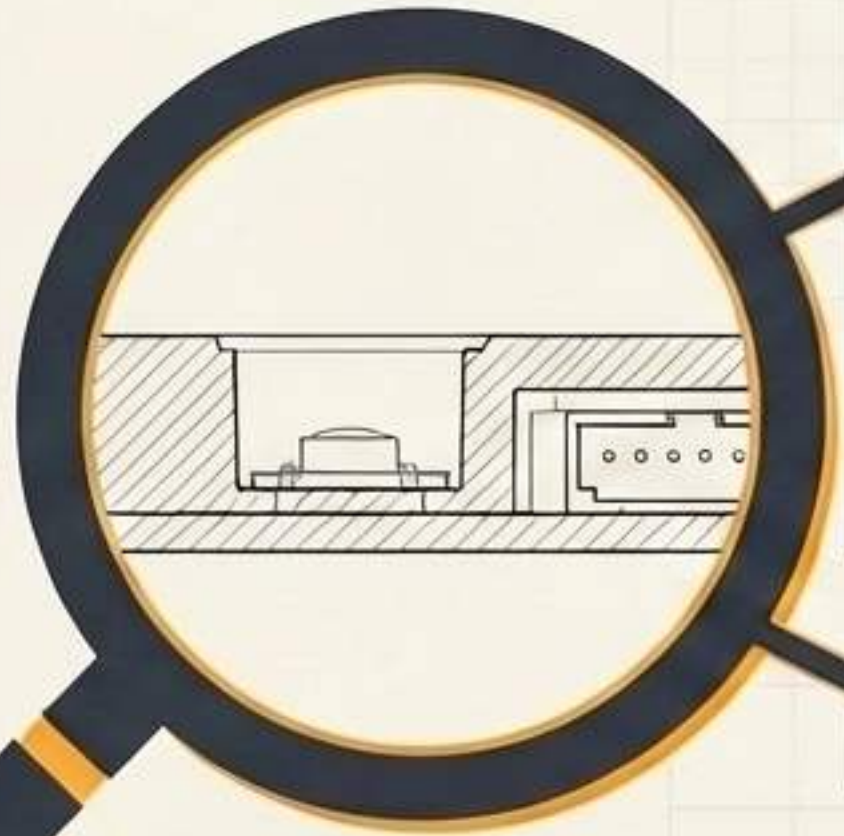
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Total assembled thickness: 0.375 inches.

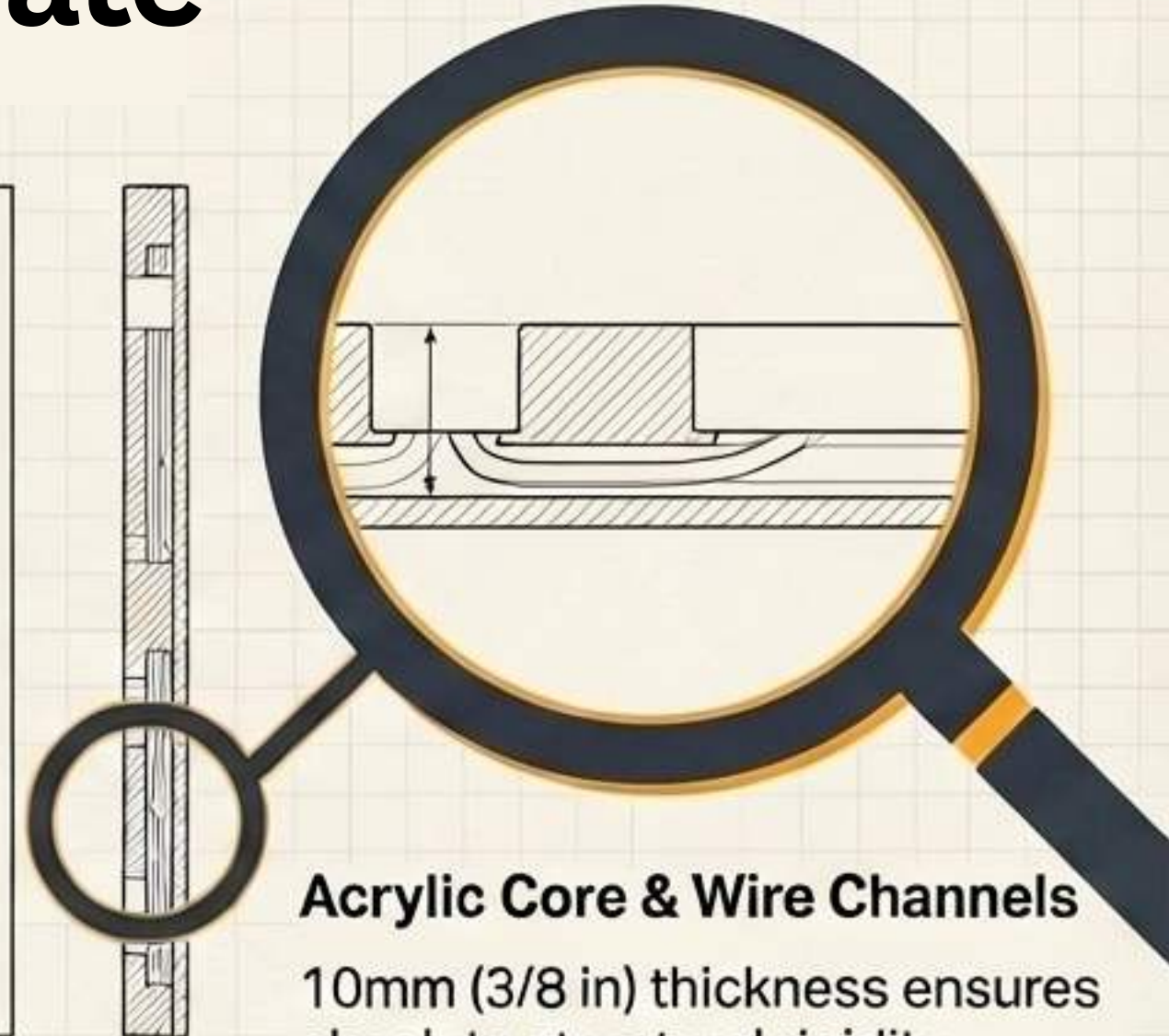
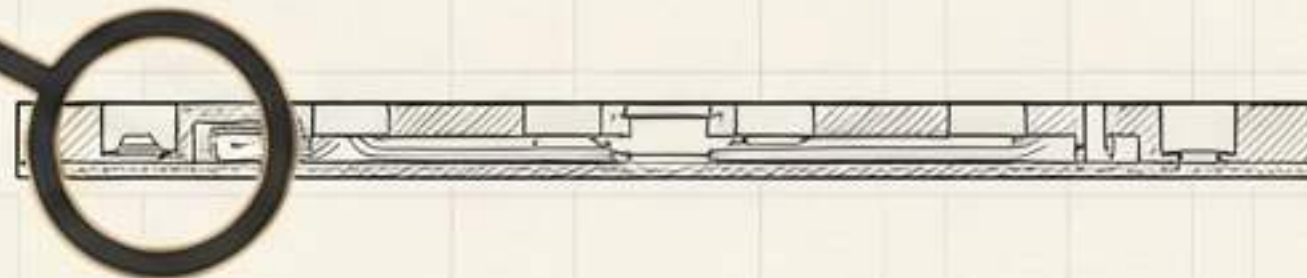
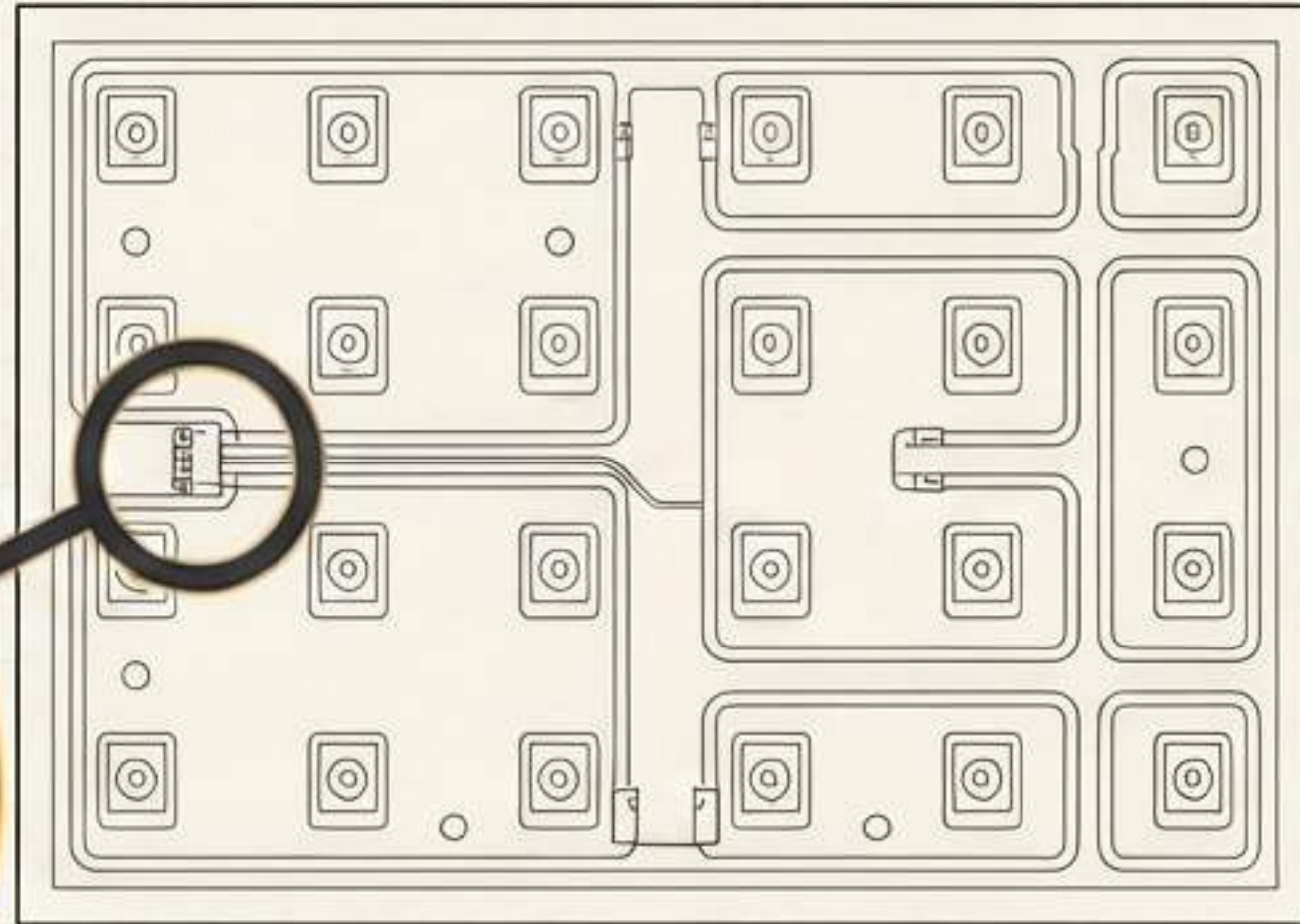
Recessed components ensure the sheet lays completely flat against the substrate

Diodes & Connections

Recessed mox connectors and engineered tolerance pockets prevent bridging.



Patent Pending



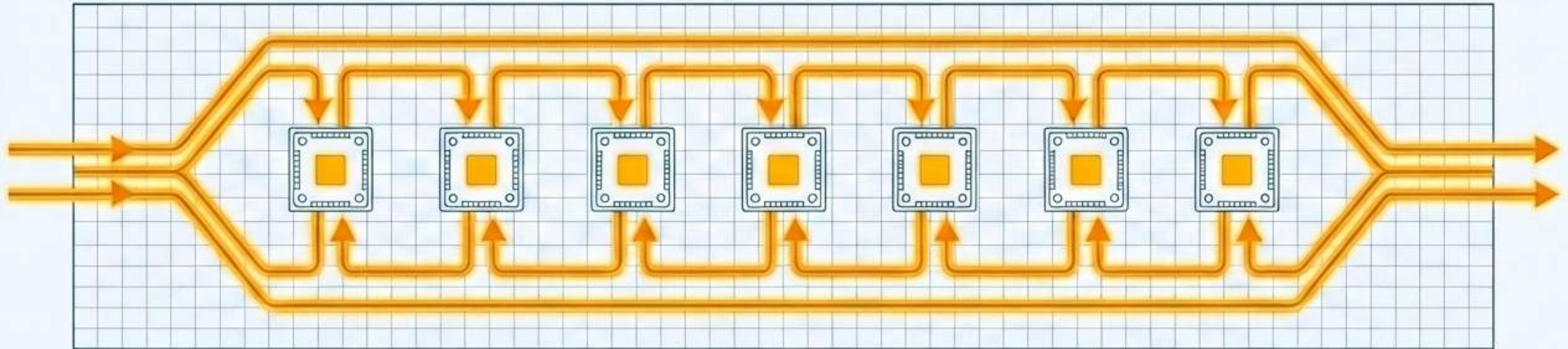
Acrylic Core & Wire Channels

10mm (3/8 in) thickness ensures absolute structural rigidity. Multi-depth engraving ensures all wires sit entirely below the surface plane.

Benefit: The completely flat profile provides a flawless, stress-free backing layer for fragile stone installation.

Parallel wiring topology guarantees a failsafe electrical architecture

The system operates on a low-voltage 24VDC Class 2 architecture designed specifically for on-site adaptability.



Safety First: Removing, bypassing, or cutting any individual section during the custom-fitting process does not break the circuit or affect the operation of the remaining panel.

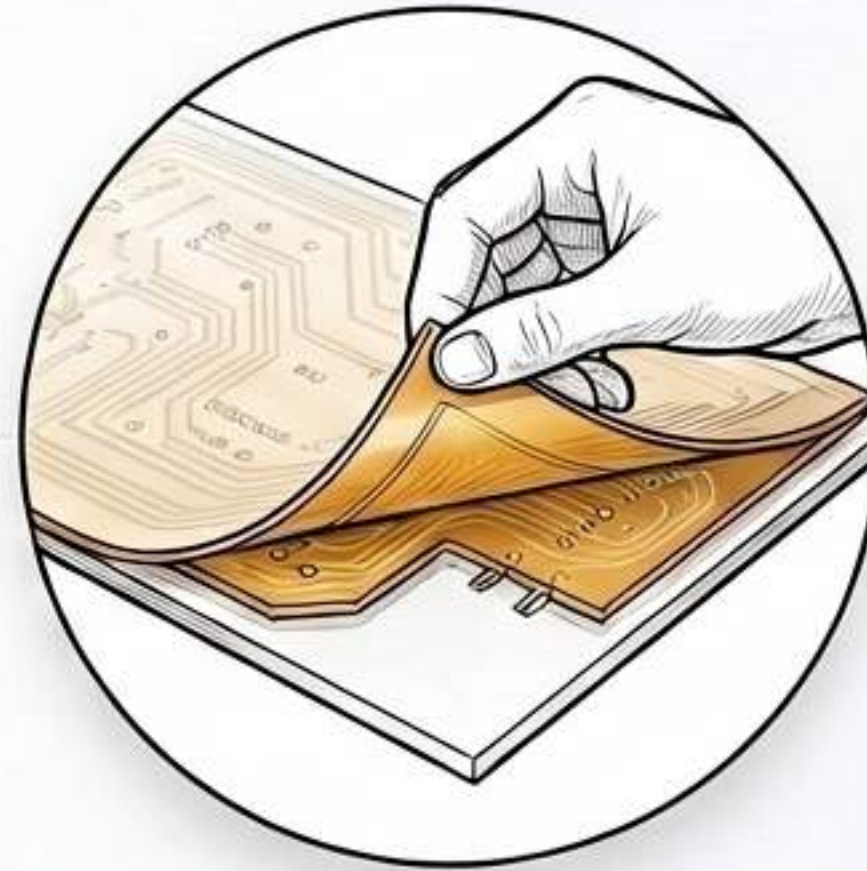
Field-customizable workflow adapts to any custom shape on site

One Panel. Any Shape.



01 MARK

Use the printed grid to mark the custom shape. Snap to the nearest safe-cut line.



02 SCORE & PEEL

Score along the pre-scored lines and peel away unwanted PCB sections. Cap unused connectors.

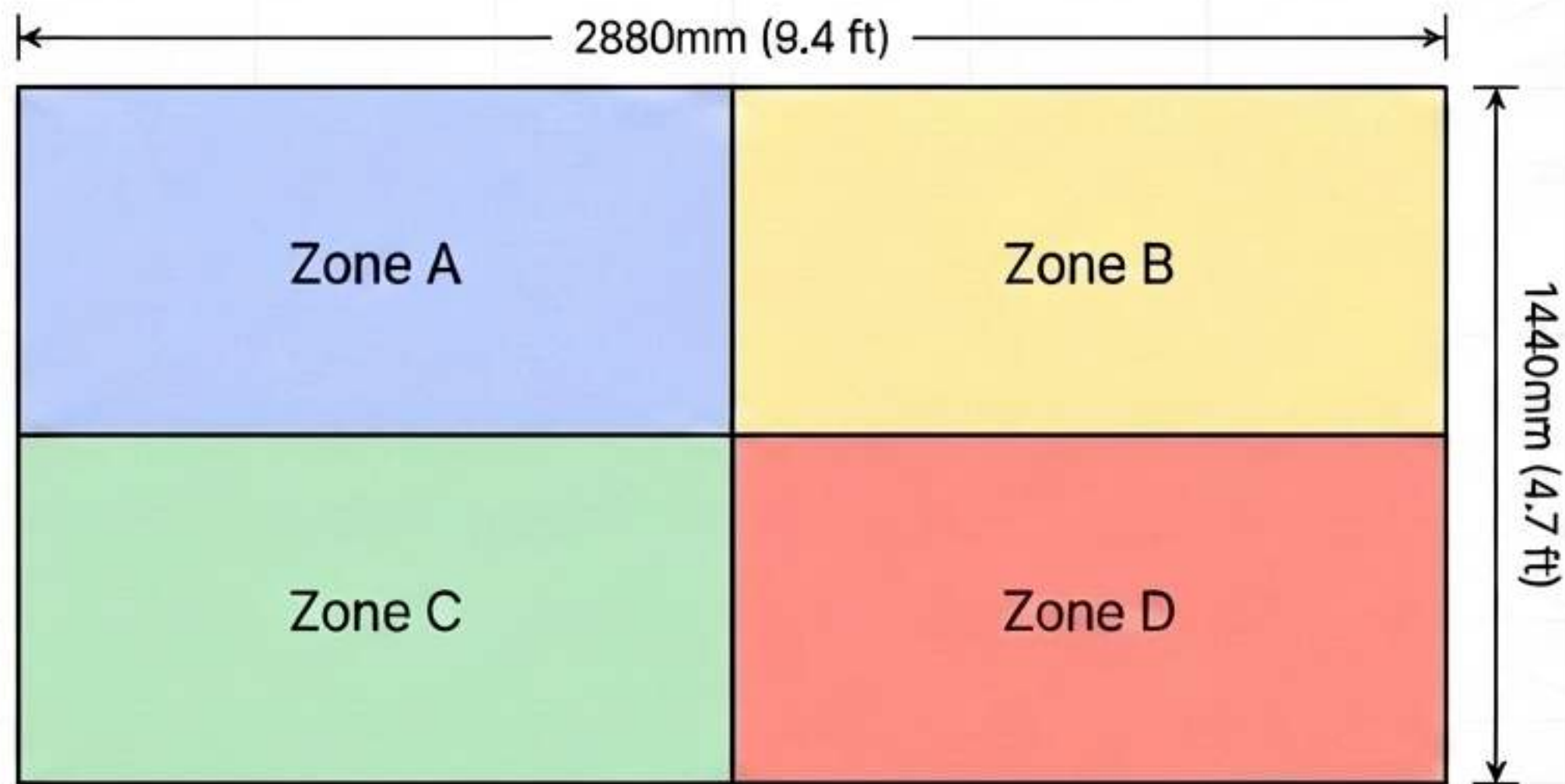


03 ROUTE

Route the acrylic to match using a standard flush-trim bit. The remaining PCB edge acts as the natural guide.

Pre-mapped spatial power distribution eliminates load-balancing guesswork

4 standard 288W drivers map perfectly to 4 physical zones on the board.



Zone A → Driver 1 (288W)

Zone C → Driver 3 (288W)

Zone B → Driver 2 (288W)

Zone D → Driver 4 (288W)

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Flawless integration for luxury residential environments

From custom illuminated dining tables to expansive outdoor pool features, the seamless integration of light elevates monolithic architectural elements into the focal point of any high-end residence.



Unforgettable statements in high-traffic hospitality spaces



Feature Walls: Floor-to-ceiling impact that defines the atmosphere.

Reception Desks: The ultimate first impression for guests.



Luxury Bars: Highly durable execution for extreme high-traffic environments.

Engineered to eliminate friction across the entire design chain



Specifiers (Architects & Designers)

- Specify purely by the sheet—no custom engineering required.
- Reliable, predictable photometrics.
- Process is as simple as ordering standard tile.



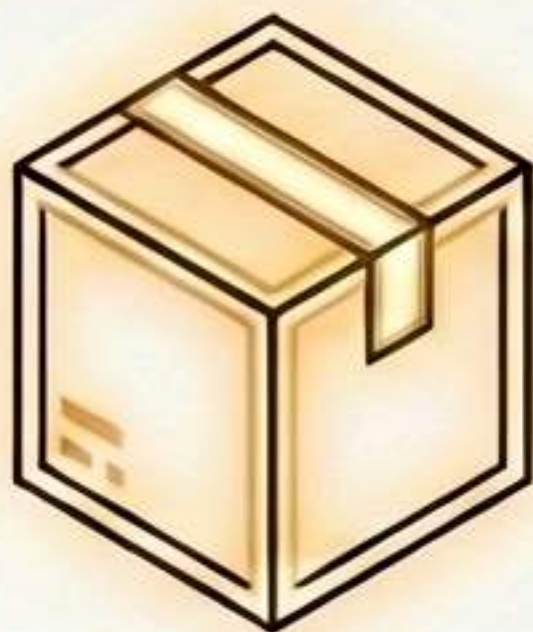
Buyers (Fabricators & Contractors)

- Upsell backlit stone with zero engineering overhead.
- Cut on-site with standard tools. No complex soldering.
- Single source system with a unified single warranty.

Patent pending

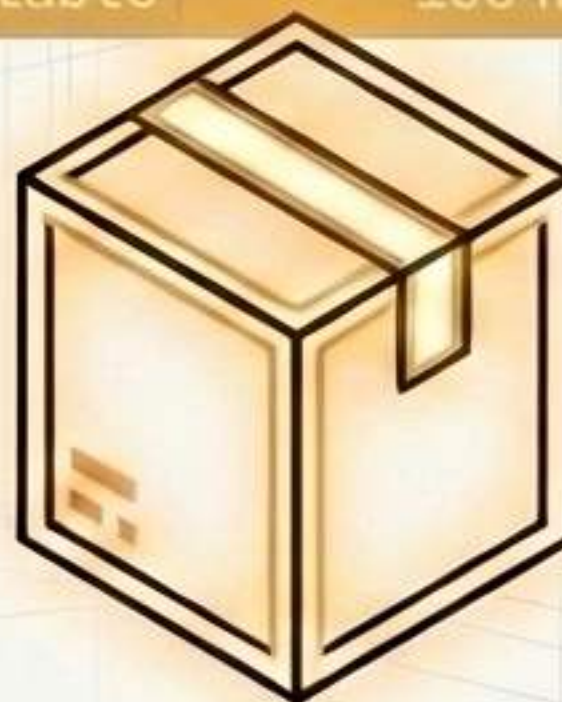
Scalable packaging and predictable logistics for any project size

Models	CCT	CRI	Wattage	Dimming options
LS-27	2700K Warm	80 & 90+ CRI available	792W	0-10V
LS-30	3000K Warm	80 & 90+ CRI available	792W	0-10V
LS-35	3500K Neutral	80 & 90+ CRI available	792W	0-10V
LS-40	4000K Neutral	80 & 90+ CRI available	792W	0-10V
LS-50	5000K Daylight	80 & 90+ CRI available	792W	0-10V
LS-60	6000K Daylight	80 & 90+ CRI available	792W	0-10V
LS-TW	Tunable White	80 & 90+ CRI available	1584W	DMX / DALI



x5

Option A: 5-Piece Crate. Ideal for residential or boutique custom features. Includes 5 panels, polycarbonate diffusers, power supplies, and kits.



x10

Option B: 10-Piece Crate. Ideal for large-scale hospitality rollouts. Includes 10 panels, diffusers, power supplies, and kits.



Illuminate the surface, not the budget.

Ready for specification.

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