



METAL PRODUCTS MFG. LTD.

2026  
Architectural Metal Screens &  
Feature Panels Catalog



**METAL PRODUCTS MFG. LTD.**

## **Architectural Metal Screens & Feature Panels Performance scoring system.**

### **Understanding How Our Panels Perform**

Every panel in this collection is evaluated using a standardized performance framework. These metrics allow architects, designers, and installers to compare patterns objectively based on privacy, light transmission, structural integrity, and orientation sensitivity. Our scoring system is geometry-based and consistent across the entire collection.

#### **Openness Percentage**

Actual percentage of open area relative to total panel surface. Higher values indicate increased airflow and light transmission.

#### **Visual Screening Score (1-100)**

Measures perceived privacy at human scale (6-30 ft), factoring aperture size, overlap probability, and visual density.

90-100 → Near-solid privacy

70-89 → High screening

40-69 → Partial screening

<40 → Transparency-forward

#### **Pattern Scale (1-100)**

Indicates perceived size and boldness of pattern elements across a full panel.

Low → Fine, subtle texture

High → Large, architectural modules

#### **Rotation Tolerance (1-100)**

How visually acceptable the pattern remains when rotated or mirrored.

90-100 → Fully rotation-neutral

70-89 → Minor orientation preference

40-69 → Orientation-aware

<40 → Orientation-critical

#### **Structural Fragmentation Risk (1-100)**

Indicates likelihood of thin ligaments, isolated islands, or stress-sensitive regions.

Low → Structurally robust

High → May require thickness consideration or span limits

#### **Sightline Interruption**

Describes how effectively the pattern disrupts direct lines of sight.

Low → Clear visibility

Medium → Broken sightlines

High / Very High → Strong visual obstruction

#### **Shade Factor (%)**

Estimated reduction of direct solar penetration at perpendicular incidence.

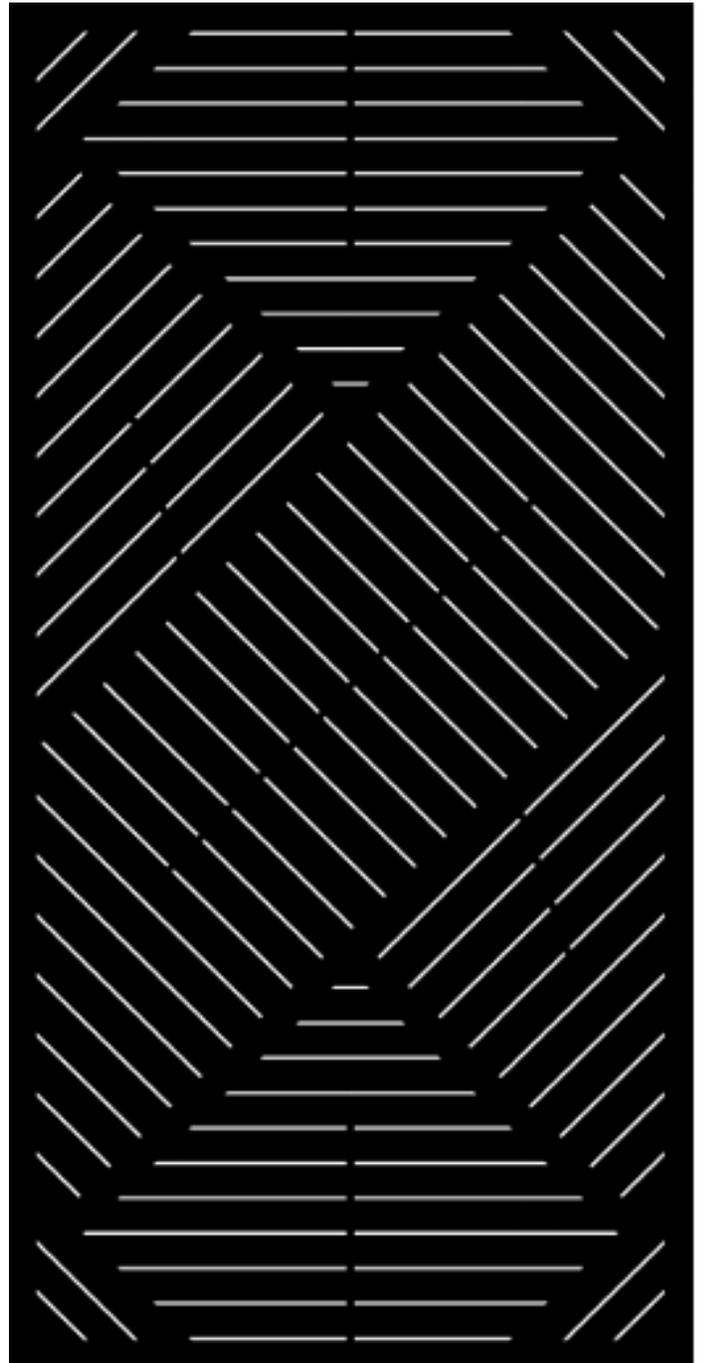
Higher % = Greater solar filtering

Lower % = Primarily spatial separation

# ZENITH

## Description

Zenith is a vertically driven architectural screen defined by a gradient of finely spaced linear apertures that shift in density across the panel. The pattern creates a subtle fading effect that naturally draws the eye upward, reinforcing height and vertical emphasis. Its disciplined geometry delivers a contemporary, architectural presence that balances privacy with openness, making it ideal for spaces that require clarity and structure without visual heaviness.



## Performance & Selection Criteria

- **Openness:** 25%
- **Visual Screening:** 85 / 100
- **Pattern Scale:** 70 / 100
- **Rotation Tolerance:** 20 / 100
- **Structural Fragmentation Risk:** 30 / 100
- **Sightline Interruption:** High
- **Shade Factor:** 65%
- **Style Family:** Modern / Industrial / Minimalist
- **Backlighting Compatibility:** Very good – optimized for side-grazing or top-down lighting that accentuates vertical depth and shadow
- **Typical Applications:** Residential privacy screens, commercial lobby partitions, architectural dividers, exterior facade cladding

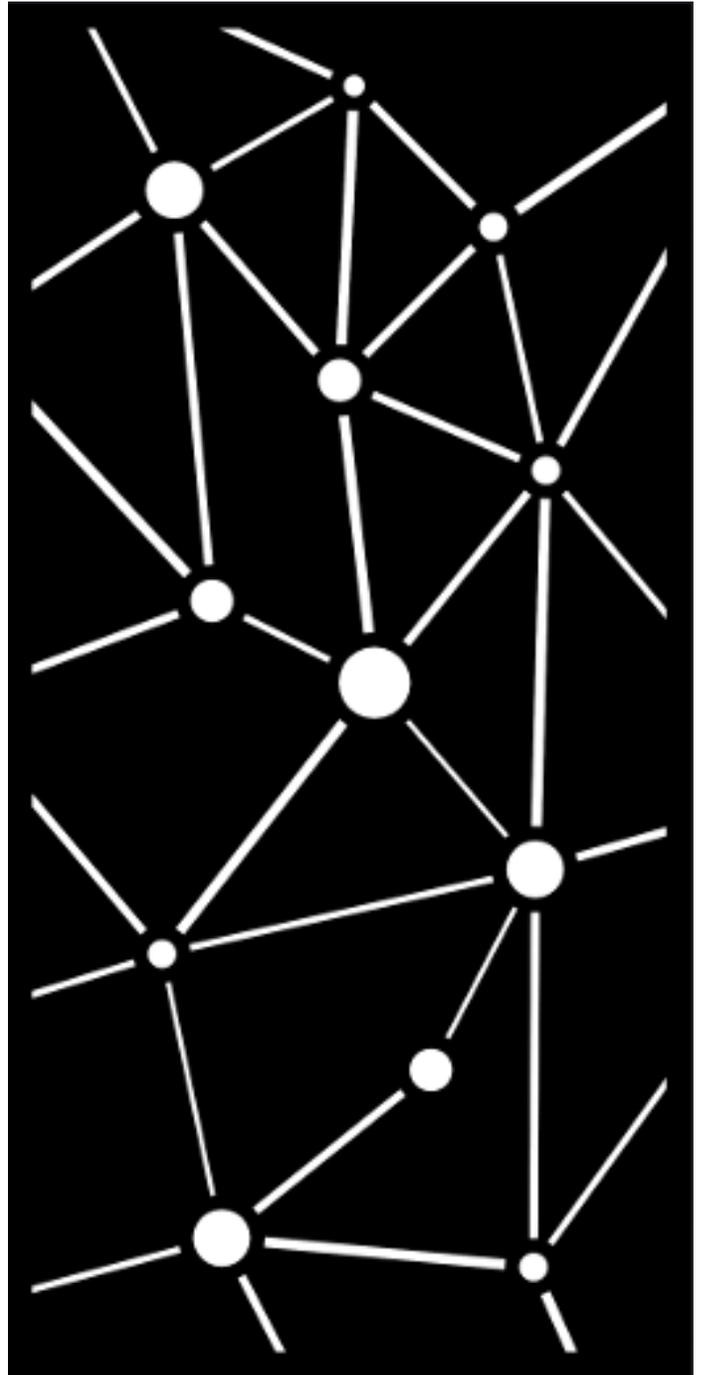
# MERIDIAN

## Description

Meridian blends sweeping arcs and layered lines into a composition that feels both geometric and atmospheric—like a map of global coordinates in motion. The pattern creates depth through overlapping curves, delivering one of the strongest privacy experiences in the collection while still reading refined and modern.

## Performance & Selection Criteria

- **Openness:** 19.8%
- **Visual Screening:** 90 / 100
- **Pattern Scale:** 70 / 100
- **Rotation Tolerance:** 95 / 100
- **Structural Fragmentation Risk:** 30 / 100
- **Sightline Interruption:** Very High
- **Shade Factor:** ~75%
- **Style Family:** Organic / Celestial / Mid-Century Modern
- **Backlighting Compatibility:** Excellent – curved paths create a soft halo-like glow
- **Typical Applications:** Luxury partitions, feature ceilings, hospitality lobbies, statement walls, large-format architectural cladding



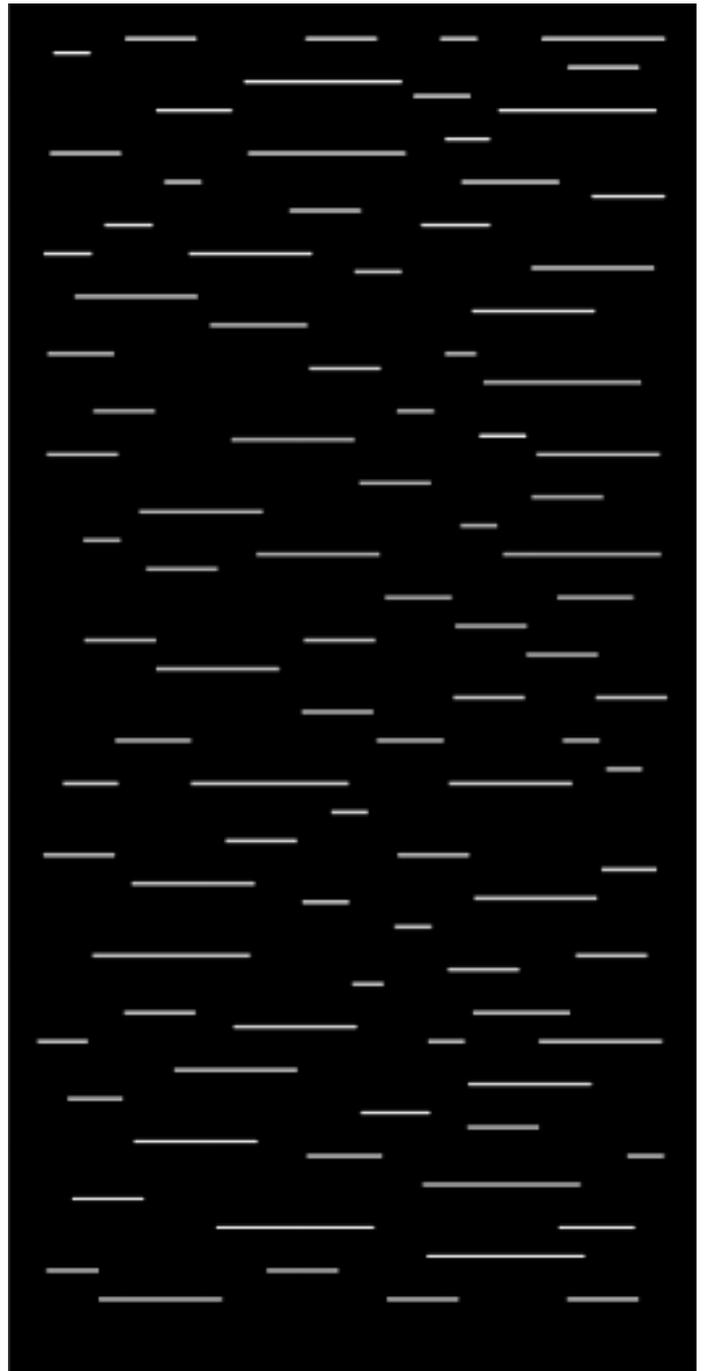
# TITAN

## Description

Titan is a heavy-duty, high-privacy screen built on a staggered brick-bond of elongated rectangular apertures. It delivers a bold, architectural rhythm with substantial material presence—purpose-built for projects that demand durability, privacy, and an assertive modern “masonry” look.

## Performance & Selection Criteria

- **Openness:** 19.4%
- **Visual Screening:** 90 / 100
- **Pattern Scale:** 70 / 100
- **Rotation Tolerance:** 35 / 100
- **Structural Fragmentation Risk:** 15 / 100
- **Sightline Interruption:** Very High
- **Shade Factor:** 75%
- **Style Family:** Brutalist / Industrial / Contemporary Masonry
- **Backlighting Compatibility:** Strong silhouette — bold, graphic light blocks with limited glow-through
- **Typical Applications:** Security fencing, equipment screening, parking structures, perimeter privacy walls, heavy-duty dividers



# OASIS

## Description

Oasis is a biophilic cellular screen with varied density that feels natural and intentionally non-repetitive. The organic field creates a calm, refined surface with high visual obstruction and soft light behavior—ideal for wellness-forward and hospitality environments.

## Performance & Selection Criteria

- **Openness:** 20.0%
- **Visual Screening:** 88 / 100
- **Pattern Scale:** 65 / 100
- **Rotation Tolerance:** 90 / 100
- **Structural Fragmentation Risk:** 45 / 100
- **Sightline Interruption:** High
- **Shade Factor:** ~70%
- **Style Family:** Biophilic / Organic / Contemporary
- **Backlighting Compatibility:** Excellent – diffused glow with organic points of light
- **Typical Applications:** Privacy screens, hospitality partitions, decorative cladding, wellness interiors, residential feature walls



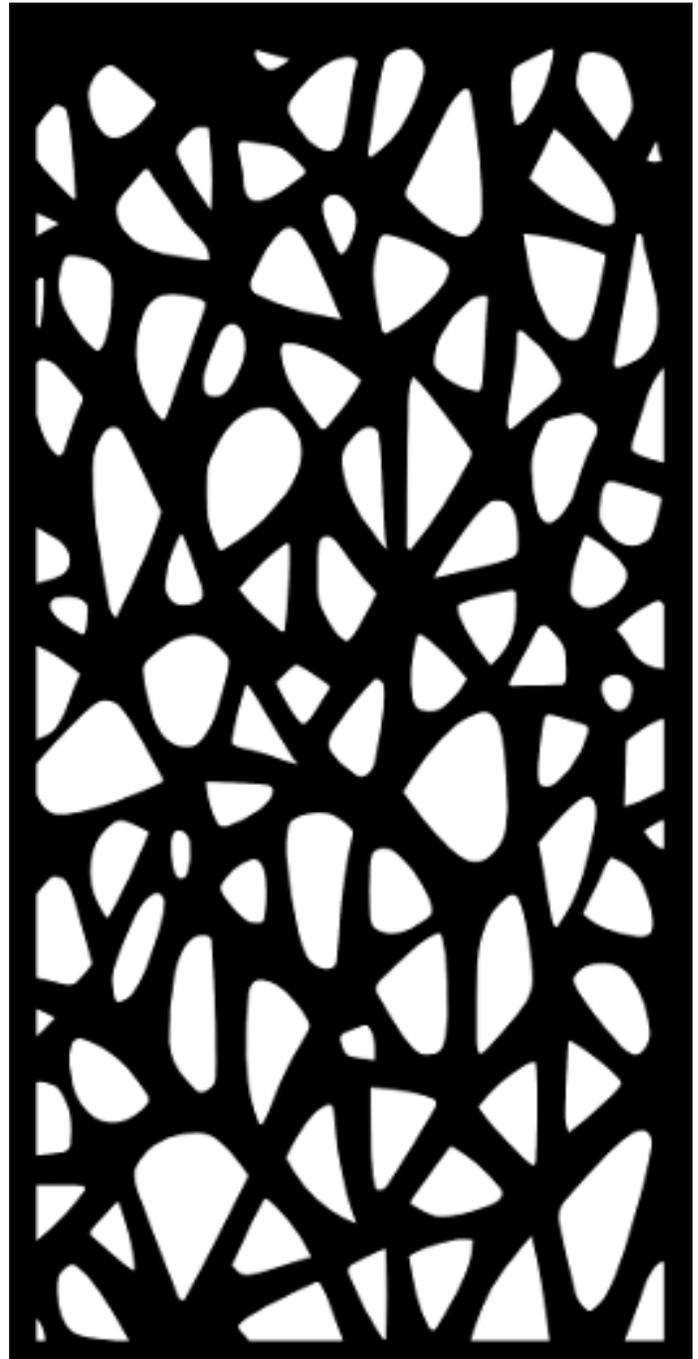
# FIELDSTONE

## Description

Fieldstone translates the irregular voids of dry-stack stonework into a highly open, modern-organic screen. Large, interlocking apertures preserve sightlines and light transmission, defining boundaries without creating a visual barrier—perfect when the view matters.

## Performance & Selection Criteria

- **Openness:** 67.4%
- **Visual Screening:** 20 / 100
- **Pattern Scale:** 85 / 100
- **Rotation Tolerance:** 90 / 100
- **Structural Fragmentation Risk:** 60 / 100
- **Sightline Interruption:** Low
- **Shade Factor:** 30%
- **Style Family:** Biophilic / Modern-Organic / High-Transparency
- **Backlighting Compatibility:** High-impact – large “pools” of light
- **Typical Applications:** Backlit feature walls, luxury partitions where visibility is desired, architectural “window” screens.



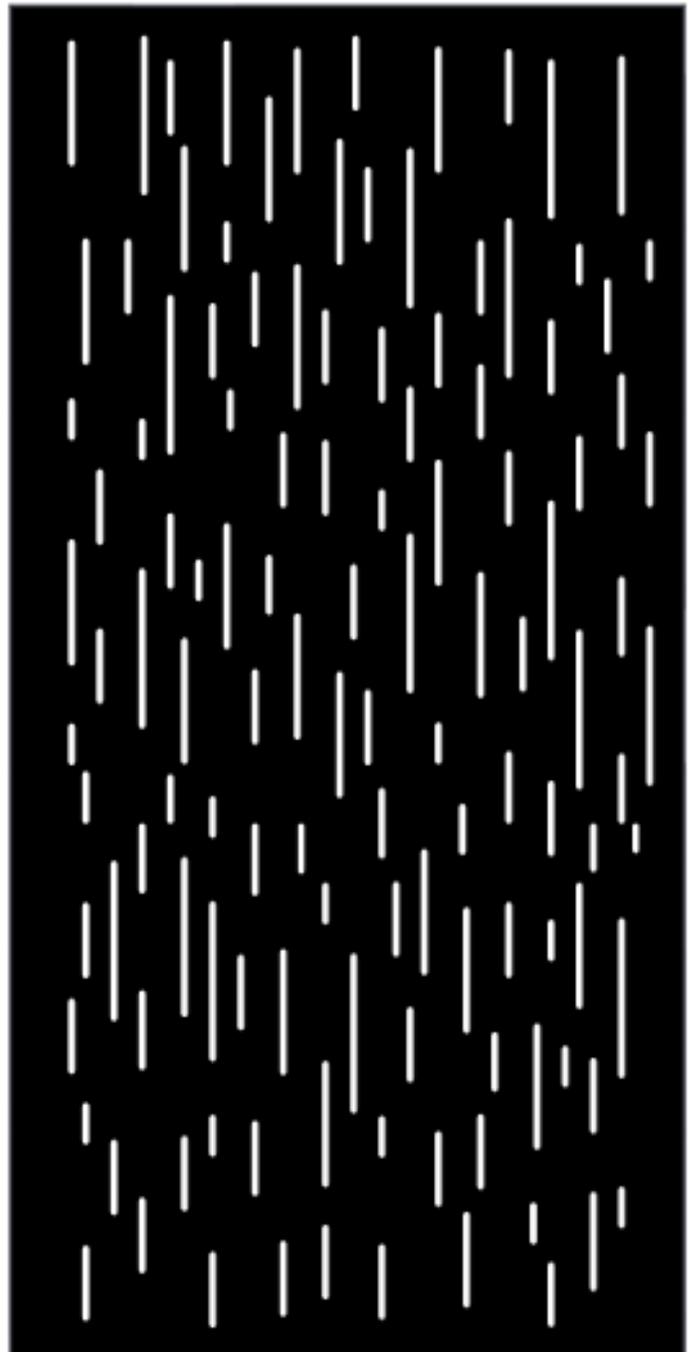
# MATRIX

## Description

Matrix is a technical, architectural screen built from precise linear paths and radiused geometry that evoke circuitry and network systems. It reads disciplined and modern, offering strong visual screening while maintaining controlled light transmission—particularly striking as a backlit feature.

## Performance & Selection Criteria

- **Openness:** 22.8%
- **Visual Screening:** 85 / 100
- **Pattern Scale:** 60 / 100
- **Rotation Tolerance:** 80 / 100
- **Structural Fragmentation Risk:** 30 / 100
- **Sightline Interruption:** High
- **Shade Factor:** 70%
- **Style Family:** Digital / Geometric / Modern Industrial
- **Backlighting Compatibility:** Excellent — “linear glow” effect that traces the geometry
- **Typical Applications:** Office partitions, feature walls, architectural accents, backlit installations, modern commercial interiors



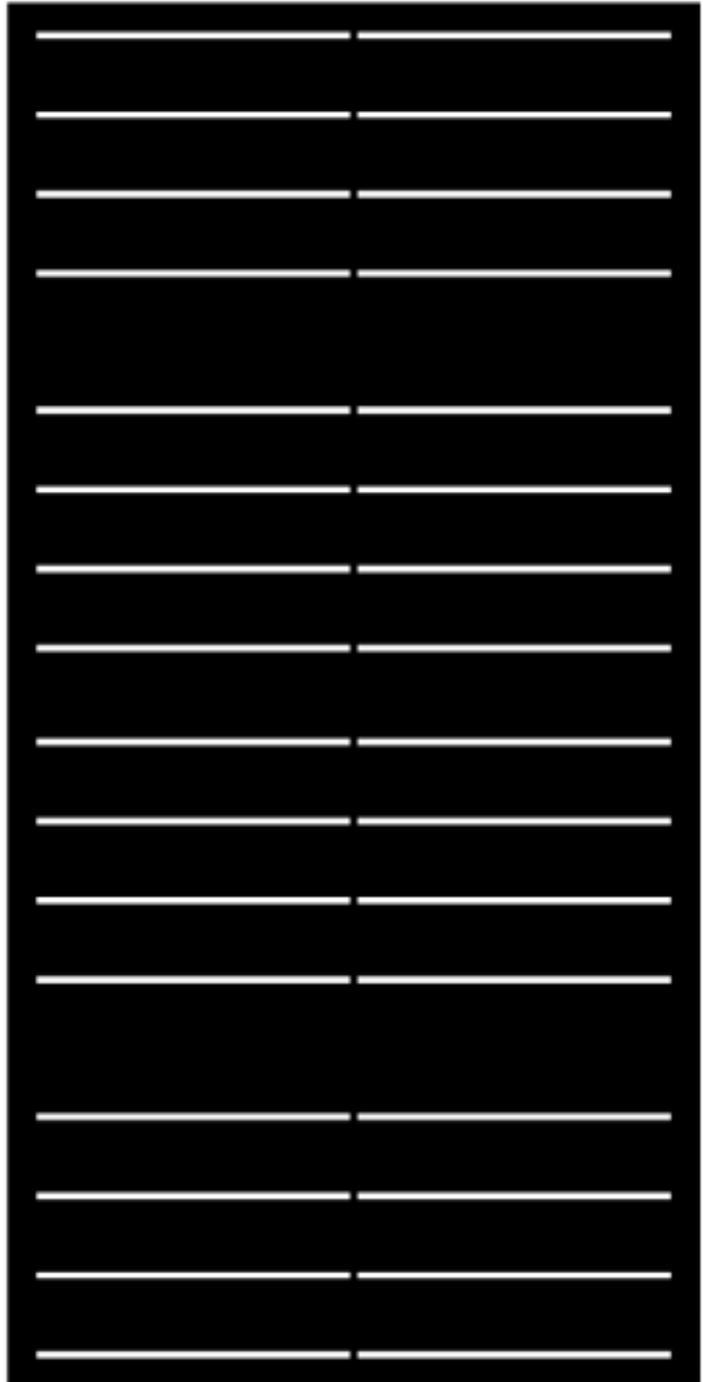
# DASH

## Description

- Dash is a horizontally articulated architectural screen defined by staggered, capsule-shaped apertures arranged in a running-bond pattern. The geometry emphasizes lateral movement and visual stability, creating a grounded, masonry-like rhythm reminiscent of layered stone or slate courses. By directing the eye side-to-side rather than vertically,

## Performance & Selection Criteria

- **Openness:** ~20%
- **Visual Screening:** 90 / 100
- **Pattern Scale:** 65 / 100
- **Rotation Tolerance:** 25 / 100
- **Structural Fragmentation Risk:** 20 / 100
- **Sightline Interruption:** Very High
- **Shade Factor:** ~75%
- **Style Family:** Minimalist/Urban/.Neo-industrial
- **Typical Applications:** Patio privacy walls, interior room dividers, perimeter fencing, ventilated architectural screens for parking or equipment areas



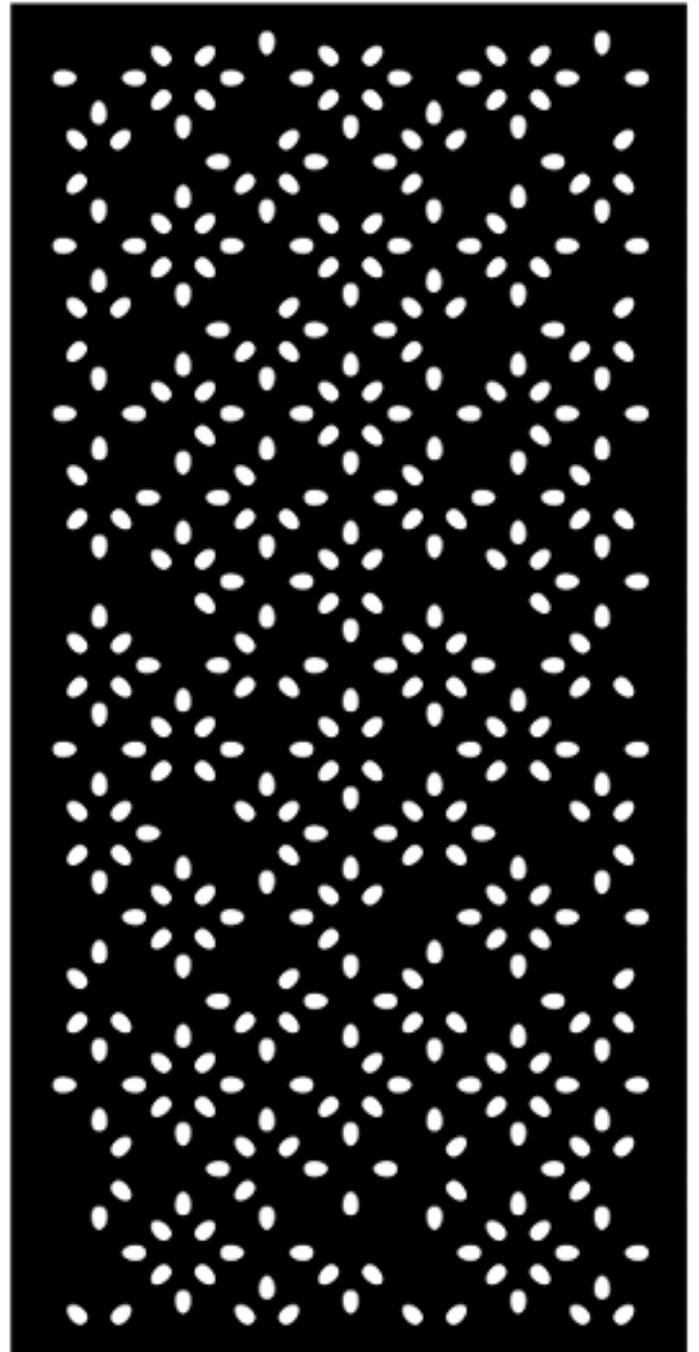
# LATTICEFALL

## Description

Latticefall is a modern geometric screen built on a strict grid with intentional omissions that create an “incomplete” architectural texture. The result is crisp and contemporary—structured at a distance, nuanced up close—ideal for minimalist spaces that still want visual interest.

## Performance & Selection Criteria

- **Openness:** 26.4%
- **Visual Screening:** 80 / 100
- **Pattern Scale:** 55 / 100
- **Rotation Tolerance:** 95 / 100
- **Structural Fragmentation Risk:** 35 / 100
- **Sightline Interruption:** High
- **Shade Factor:** 65%
- **Style Family:** Minimalist / Deconstructivist / Mathematical
- **Backlighting Compatibility:** Very good — fragmented glow with strong contrast from solid “omissions”
- **Typical Applications:** Privacy screens, gallery feature walls, modern room dividers, contemporary exterior cladding



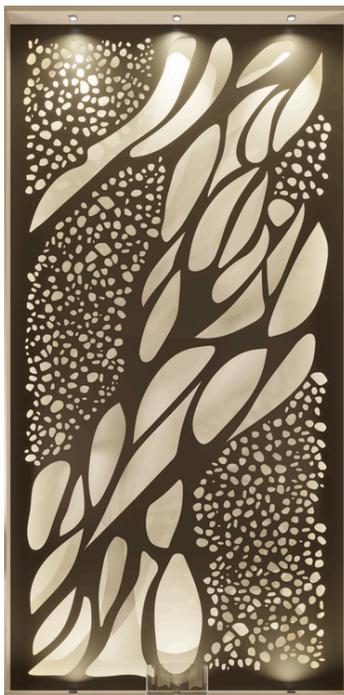
# DRIFTLINE

## Description

Driftline is a high-transparency architectural screen defined by expansive, organic apertures that prioritize openness and visual connection. Inspired by natural erosion and flowing currents, the design features fluid metal “islands” that frame space rather than enclose it. The result is a contemporary screen that feels light, open, and atmospheric—ideal for environments where visibility, scale, and dramatic light interaction are more important than privacy.

## Performance & Selection Criteria

- **Openness:** 46.2%
- **Visual Screening:** 20 / 100
- **Pattern Scale:** 90 / 100
- **Rotation Tolerance:** 95 / 100
- **Structural Fragmentation Risk:** 65 / 100
- **Sightline Interruption:** Low
- **Shade Factor:** ~35%
- **Style Family:** Biophilic / Ultra-Modern / Contemporary Organic
- **Backlighting Compatibility:** Excellent — creates large, luminous pools of light with strong visual impact
- **Typical Applications:** Interior backlit feature walls, luxury lobby partitions, architectural dividers where visibility is desired, scenic interior overlooks



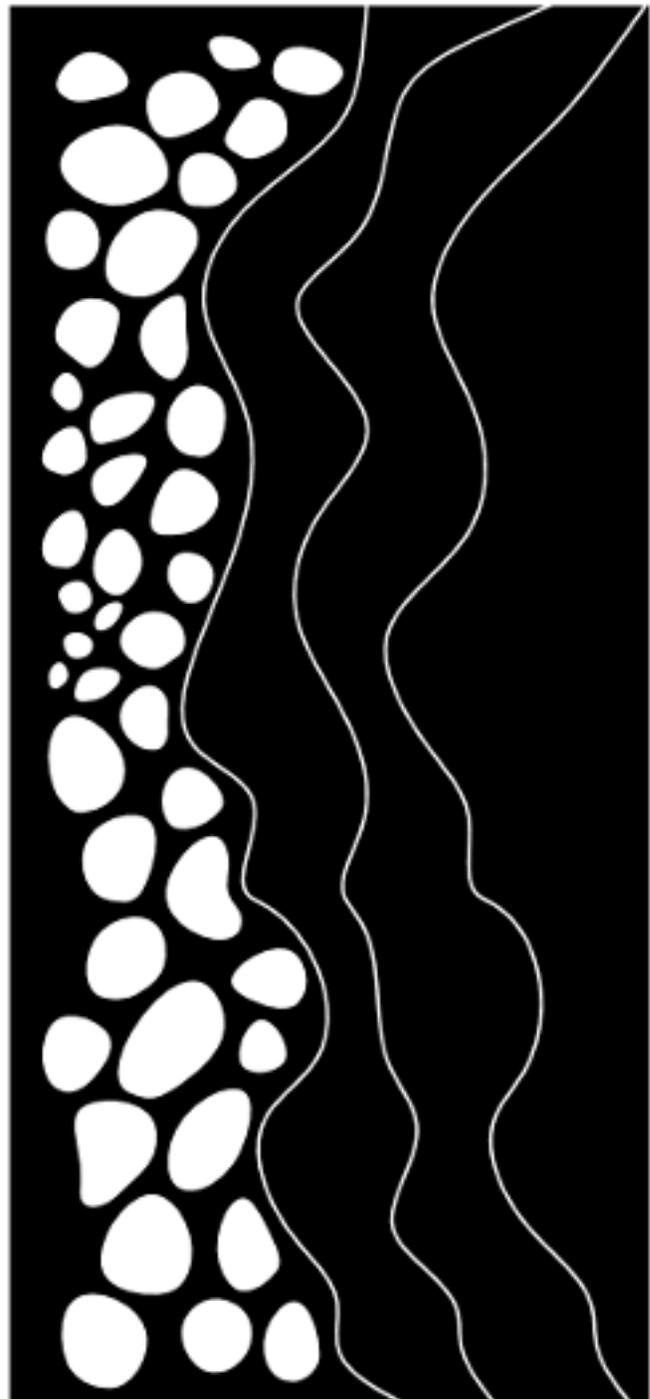
# CANOPY DRIFT

## Description

Canopy Drift is a sculptural, multi-layer relief system designed to create depth, shadow, and controlled glow. The layered “drifts” build a topographic surface that reads as architectural art rather than a conventional screen, offering a dramatic three-dimensional presence.

## Performance & Selection Criteria

- **Openness:** 14.5% (light transmission through layers)
- **Visual Screening:** 100 / 100
- **Pattern Scale:** 95 / 100
- **Rotation Tolerance:** 40 / 100
- **Structural Fragmentation Risk:** 20 / 100 (system-supported)
- **Sightline Interruption:** Complete
- **Shade Factor:** 100%
- **Style Family:** Art Nouveau / Classical Botanical / Biophilic
- **Preferred Orientation:** Neutral (works vertically or horizontally)
- **Typical Applications:** Boutique hotel features, high-end residential screens, decorative partitions, backlit feature walls, garden partitions
- **Backlighting Compatibility:** Excellent – Produces a layered, shimmering effect through varied cut widths (contact ETP for backlighting options and pricing)



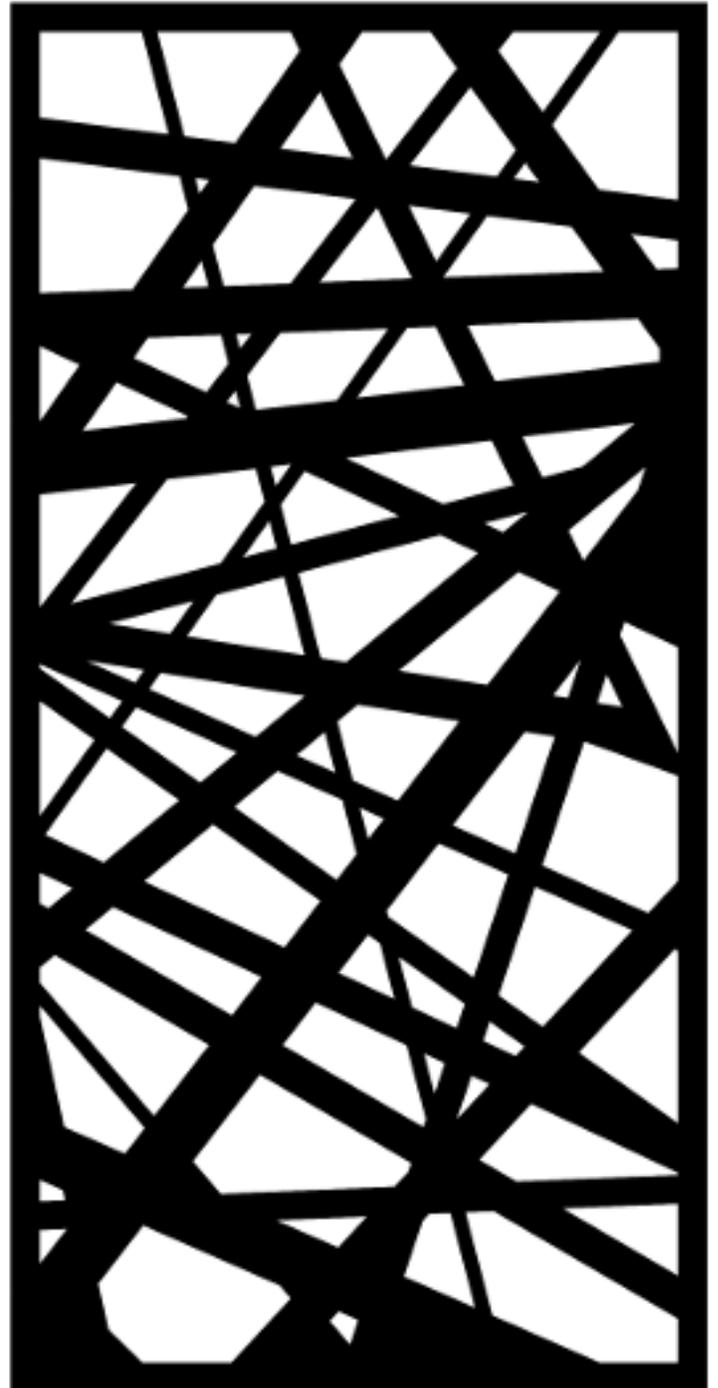
# MIRAGE

## Description

Mirage is an optical, fragmented screen made from shifting shards and multi-axis linework that creates visual vibration as you move past it. It's designed for bold architectural statements where transparency and energy matter more than privacy.

## Performance & Selection Criteria

- **Openness:** 39.0%
- **Visual Screening:** 60 / 100
- **Pattern Scale:** 80 / 100
- **Rotation Tolerance:** 75 / 100
- **Structural Fragmentation Risk:** 70 / 100
- **Sightline Interruption:** Medium
- **Shade Factor:** ~45%
- **Style Family:** Deconstructivist / Kinetic / Modernist
- **Backlighting Compatibility:** Very strong – high light transmission
- **Typical Applications:** Retail storefronts, feature walls in high-traffic areas, architectural cladding, statement partitions



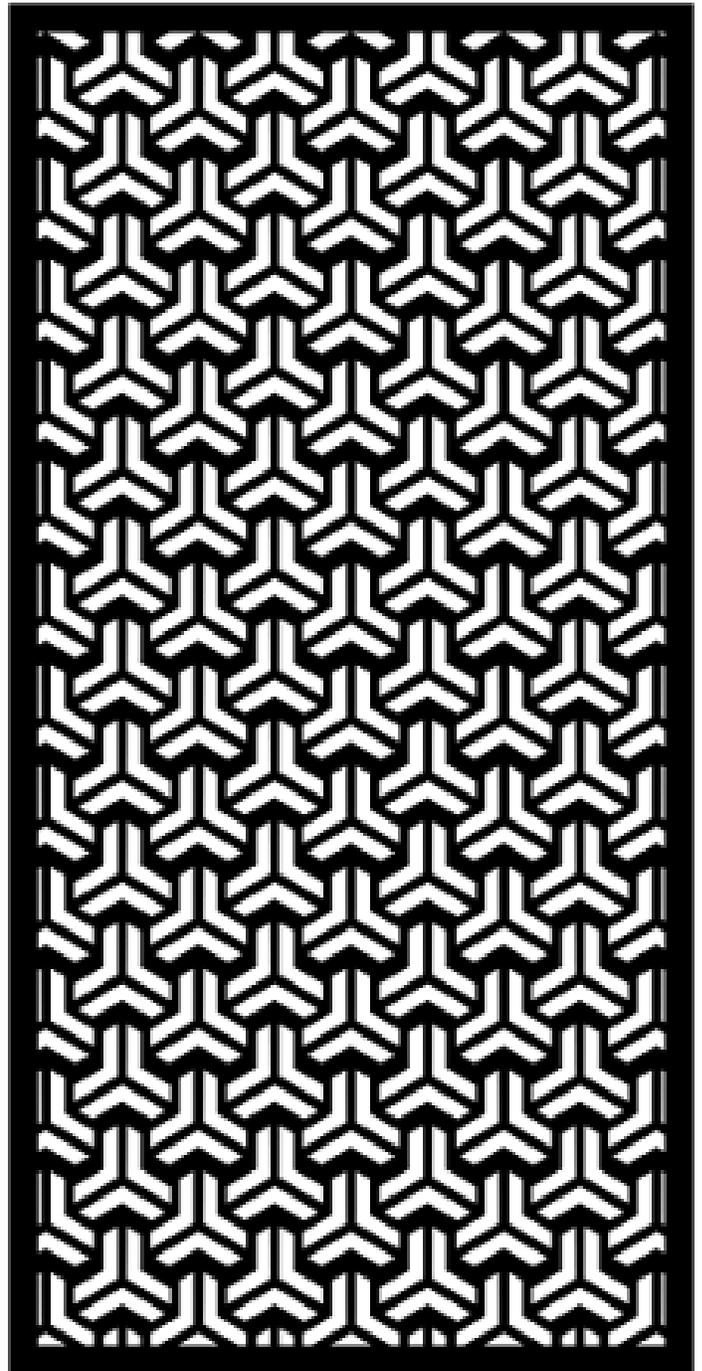
# VORTEX

## Description

Vortex is a kinetic, high-energy screen formed by sweeping curvilinear apertures that create the impression of motion across the panel. With high transparency and dense detailing, it's designed to feel light, dynamic, and visually engaging—especially in illuminated installations.

## Performance & Selection Criteria

- **Openness:** 43.2%
- **Visual Screening:** 40 / 100
- **Pattern Scale:** 75 / 100
- **Rotation Tolerance:** 90 / 100
- **Structural Fragmentation Risk:** 65 / 100
- **Sightline Interruption:** Low-Medium
- **Shade Factor:** 40%
- **Style Family:** Kinetic / Biophilic / High-Tech Organic
- **Preferred Orientation:** Neutral (any orientation)
- **Backlighting Compatibility:** Outstanding – bright overall glow with crisp, energetic lines
- **Typical Applications:** Retail backdrops, bar fronts, decorative sunshades, backlit feature walls, ceiling “cloud” panels



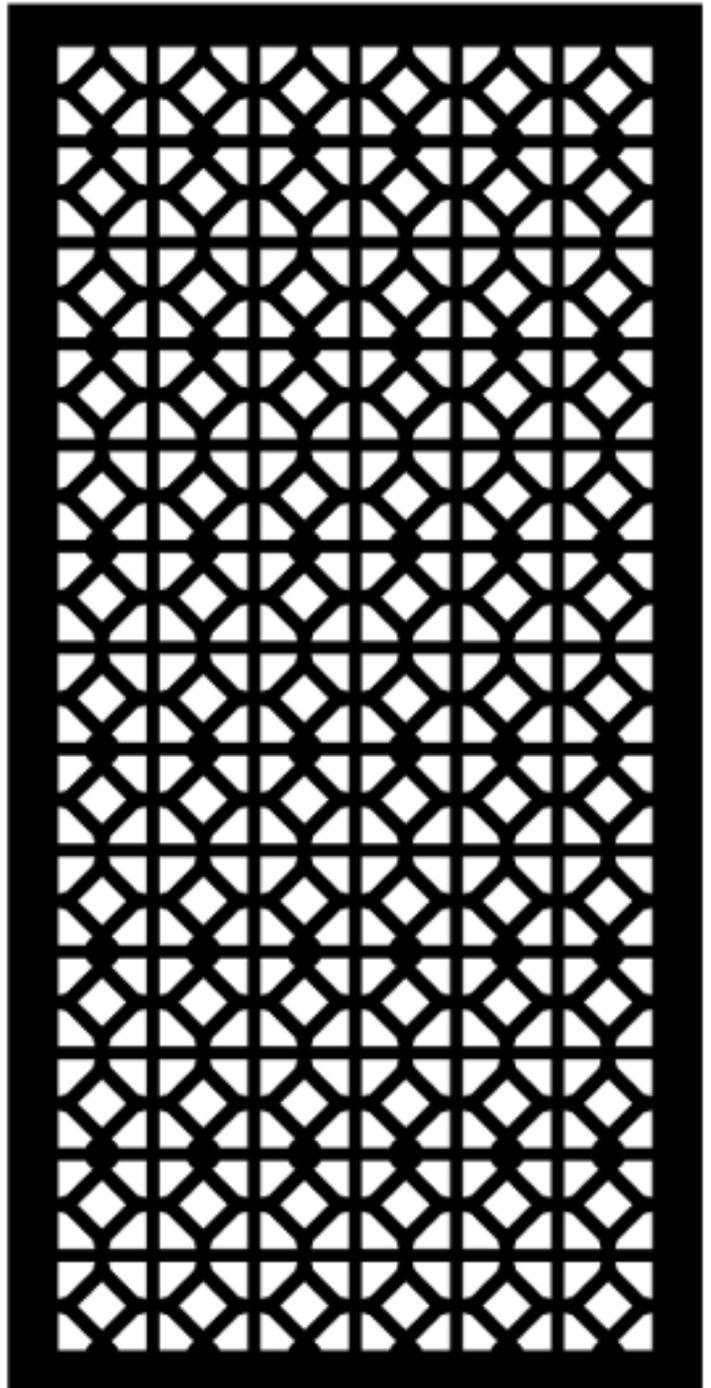
# ELEGANCE

## Description

Elegance is a refined ornamental screen inspired by classic wrought-iron craftsmanship and Mediterranean filigree. Repeating circular medallions and arched motifs are woven together with delicate geometric linework, creating a rich, tapestry-like surface that feels timeless and luxurious. The pattern reads as highly decorative up close while resolving into a cohesive architectural texture at distance, making it ideal as a focal element in premium interiors.

## Performance & Selection Criteria

- **Openness:** 26.4%
- **Visual Screening:** 80 / 100
- **Pattern Scale:** 60 / 100
- **Rotation Tolerance:** 95 / 100
- **Structural Fragmentation Risk:** 40 / 100
- **Sightline Interruption:** High
- **Shade Factor:** 65%
- **Style Family:** Traditional / Mediterranean / Neo-Classical
- **Backlighting Compatibility:** Excellent – produces a soft, jewel-like glow with finely diffused light
- **Typical Applications:** Backlit feature walls, luxury room partitions, elevator interiors, high-end residential entry gates, hospitality focal walls and ceilings



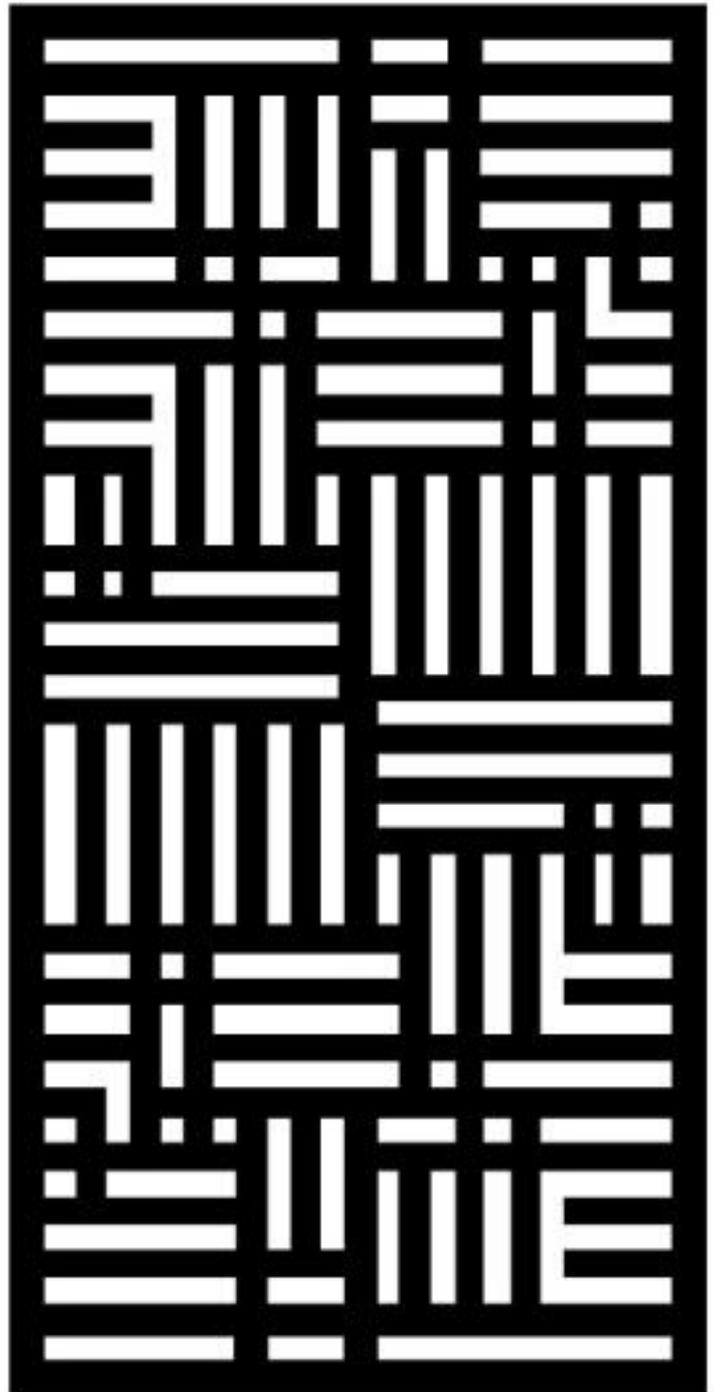
# INTERLOCK

## Description

Interlock is a structured, rectilinear composition formed by alternating horizontal and vertical linear bands arranged within a disciplined modular grid. The interwoven segments create visual rhythm while maintaining architectural order and strong edge continuity. At scale, Interlock reads as confident modern texture. Up close, the layered linear elements provide controlled privacy and consistent light filtration without excessive visual density.

## Performance & Selection Criteria

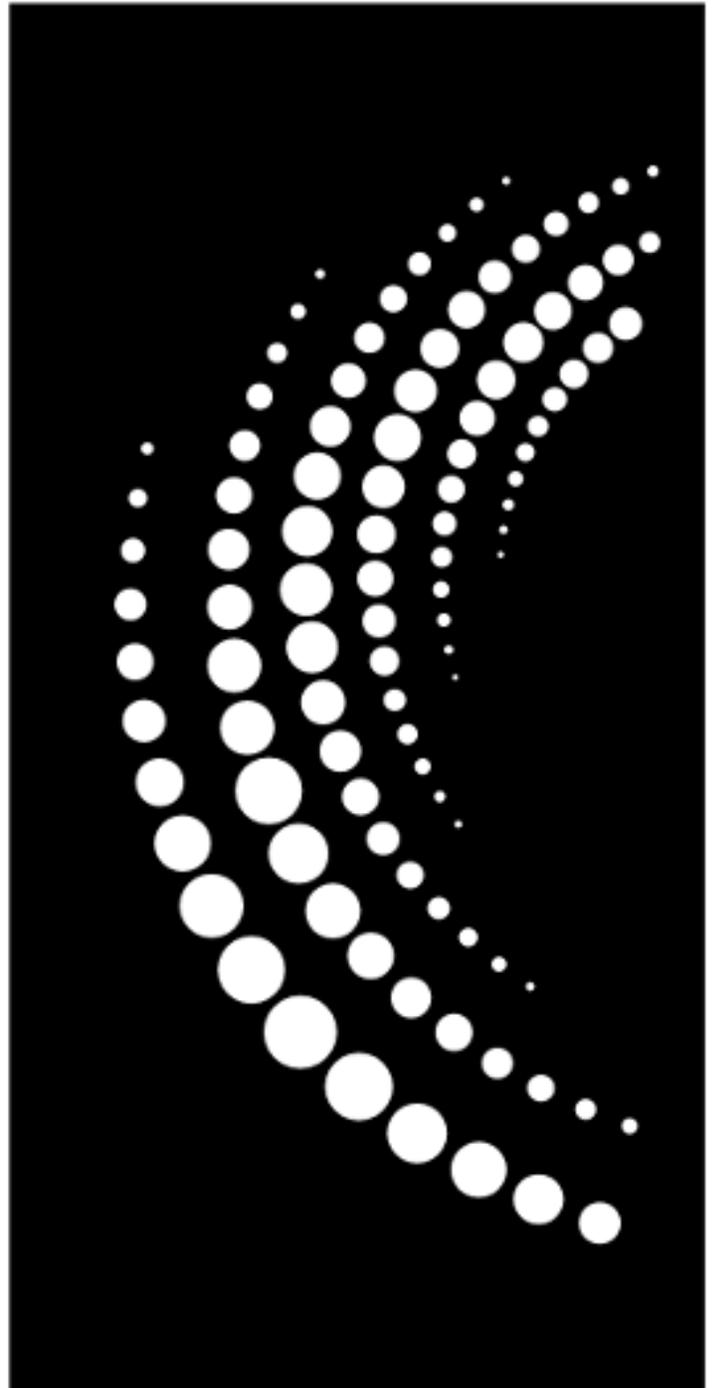
- **Openness Percentage:** 40%
- **Visual Screening:** 58 / 100
- **Pattern Scale:** 68 / 100
- **Rotation Tolerance:** 20 / 100
- **Structural Fragmentation Risk:** 52 / 100
- **Sightline Interruption:** Medium-High
- **Shade Factor:** ~52%
- **Style Family:** Contemporary Geometric / Linear Modern
- **Backlighting Compatibility: Very Good:**  
The alternating linear voids create defined light channels when rear illuminated. In boxed LED applications, Interlock produces crisp contrast and strong graphic impact while maintaining balanced diffusion across the panel surface.
- **Typical Applications:** Freestanding privacy screens, Poolside and terrace dividers, Contemporary courtyard enclosures, Wall-mounted illuminated feature panels, Commercial façade accents, Hospitality partitions and outdoor dining screening



# INFINITY

## Description

Infinity is defined by interlocking circles and concentric rings that create a smooth, orbital rhythm across the surface. The repeating round geometry reads clean and modern while still feeling soft and approachable, delivering a balanced mix of structure and flow.



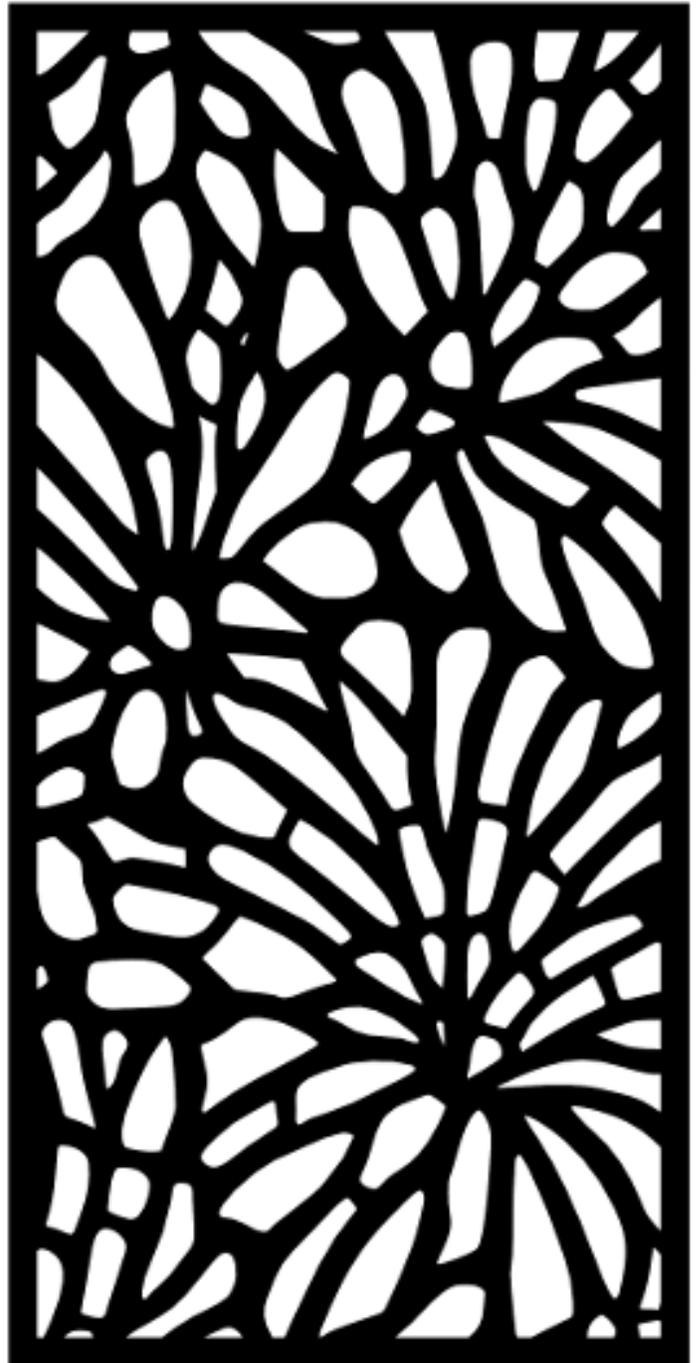
## Performance & Selection Criteria

- **Openness:** 23.8%
- **Visual Screening:** 75 / 100
- **Pattern Scale:** 60 / 100
- **Rotation Tolerance:** 95 / 100
- **Structural Fragmentation Risk:** 40 / 100
- **Sightline Interruption:** High
- **Shade Factor:** 65%
- **Style Family:** Mid-Century Modern / Celestial / Modern-Organic
- **Backlighting Compatibility:** Exceptional – halo-like rings create depth and a refined glow
- **Typical Applications:** Privacy screens, luxury partitions, feature walls, backlit ceilings, corporate and hospitality focal walls

# BLOOMFIELD

## Description

Bloomfield is an organic architectural screen composed of clustered, petal-like apertures that radiate outward in soft, cellular groupings. The pattern balances irregularity with cohesion, creating a natural rhythm that feels biophilic and calm rather than chaotic. Bloomfield excels where designers want an organic screen that feels alive and textural without overwhelming the surrounding architecture.



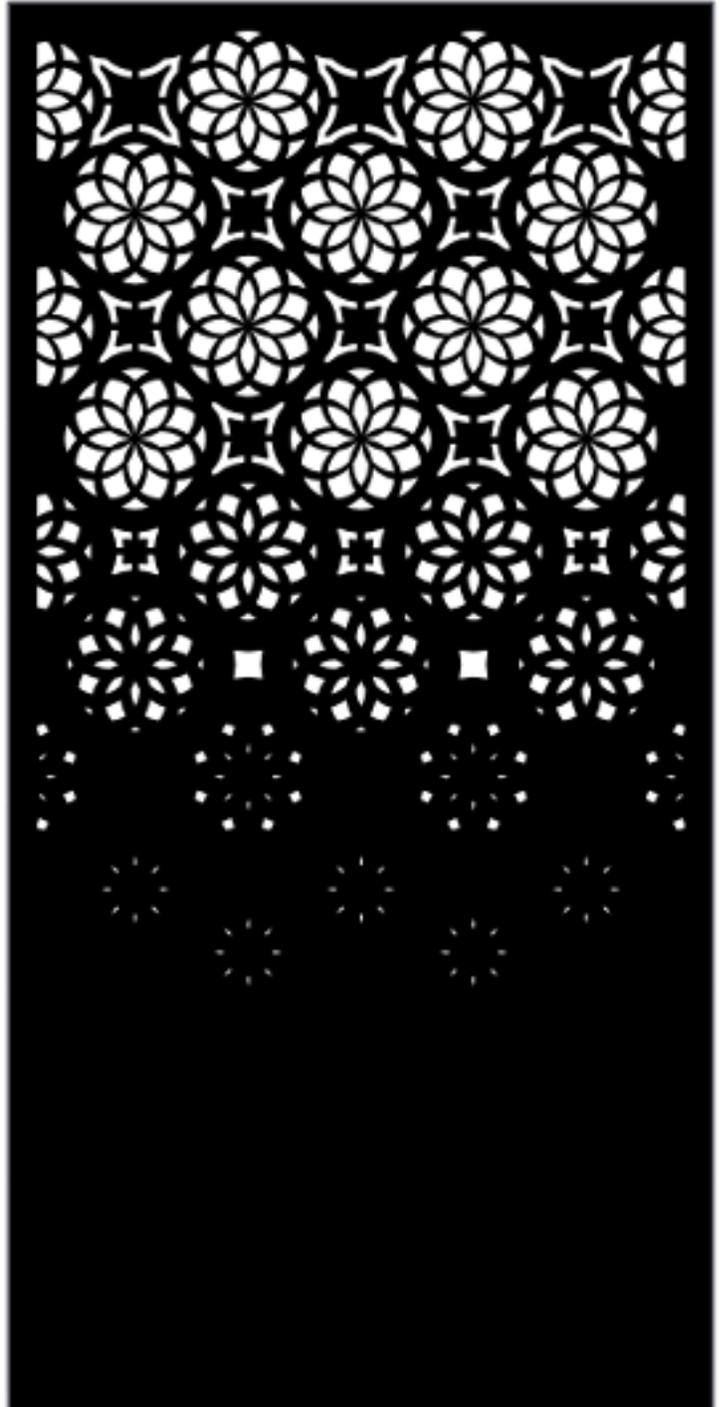
## Performance & Selection Criteria

- **Openness Percentage:** 36%
- **Visual Screening Score:** 55 / 100
- **Pattern Scale:** 75 / 100
- **Rotation Tolerance:** 90 / 100
- **Structural Fragmentation Risk:** 60 / 100
- **Sightline Interruption:** Medium
- **Shade Factor:** 50%
- **Style Family:** Biophilic / Organic / Contemporary Architectural
- **Backlighting Compatibility:** Very good – produces a soft, organic glow with layered shadow depth; varied aperture sizes create natural light diffusion.
- **Typical Applications:** Decorative privacy screens, biophilic interior partitions, hospitality feature walls, wellness and spa environments, residential garden screens.

# FLORAL

## Description

Floral is a graceful botanical screen built from flowing petals, leaves, and vine-like scrolls that interlace into a lush, decorative field. The composition softens modern architecture with organic movement and refined detail, making it ideal when you want the panel to feel elevated and calming rather than strictly geometric.



## Performance & Selection Criteria

- **Openness:** 31.2%
- **Visual Screening:** 60 / 100
- **Pattern Scale:** 65 / 100
- **Rotation Tolerance:** 15/ 100
- **Structural Fragmentation Risk:** 55 / 100
- **Sightline Interruption:** Medium-High
- **Shade Factor:** ~55%
- **Style Family:** Art Nouveau / Classical Botanical / Biophilic
- **Typical Applications:** Boutique hotel features, high-end residential screens, decorative partitions, backlit feature walls, garden partitions
- **Backlighting Compatibility:** Excellent – Produces a layered, shimmering effect through varied cut widths (contact ETP for backlighting options and pricing)

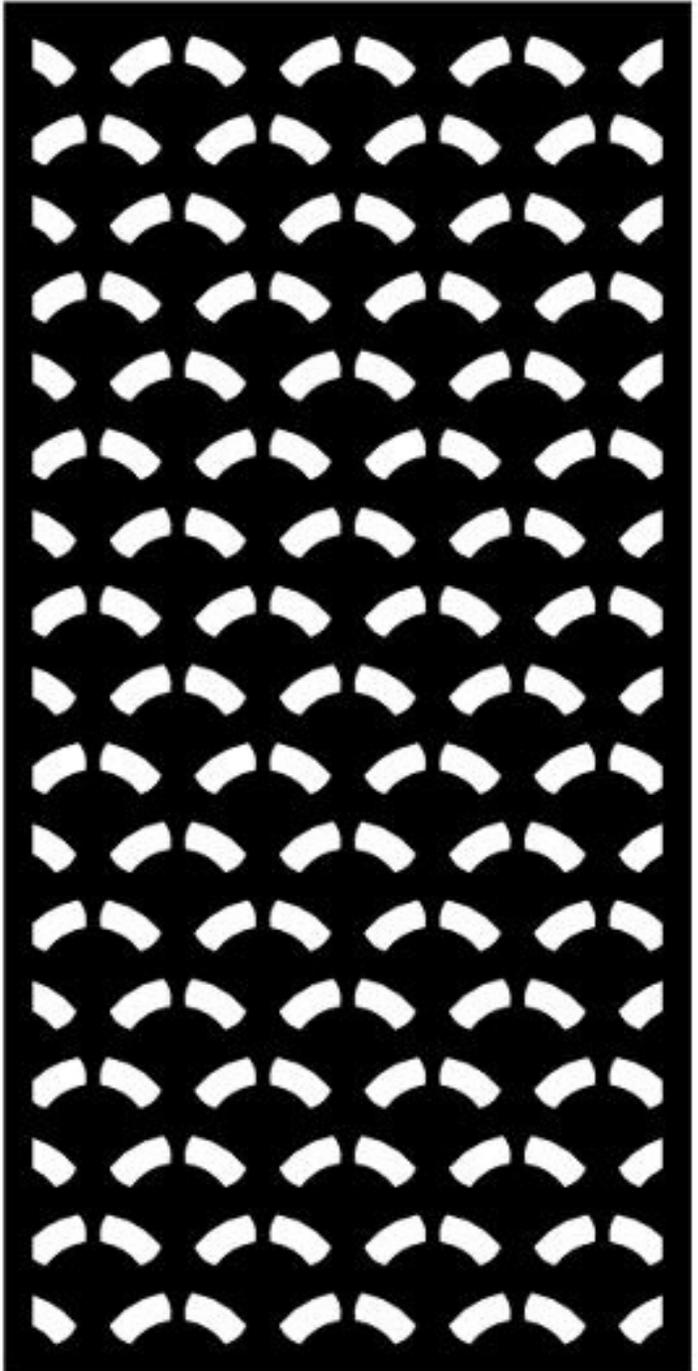


# RADIAN

## Description

Radian is a modular arrangement of staggered arc segments set within a structured grid. The repeating curvature introduces rhythm while maintaining architectural balance and consistent spacing.

At scale, it reads as refined texture; up close, the arcs create controlled visual movement and effective privacy without excessive density.



## Performance & Selection Criteria

- **Openness:** 36%
- **Visual Screening:** 58 / 100
- **Pattern Scale:** 60 / 100
- **Rotation Tolerance:** 35 / 100
- **Structural Fragmentation Risk:** 48 / 100
- **Sightline Interruption:** Medium
- **Shade Factor:** ~52%
- **Style Family:** Contemporary Soft-Geometric / Architectural Modern
- **Backlighting Compatibility:** Excellent.  
The segmented arc geometry performs exceptionally well when backlit. Rear illumination highlights the curvature and creates balanced halo effects within each module. In illuminated boxed units, Radian delivers even diffusion and strong dimensional presence without hotspot concentration.
- **Typical Applications:** Freestanding privacy screens, Poolside and terrace enclosures, Garden feature panels, Wall-mounted illuminated art installations, Hospitality and restaurant partitions, Courtyard dividers, Contemporary façade accents

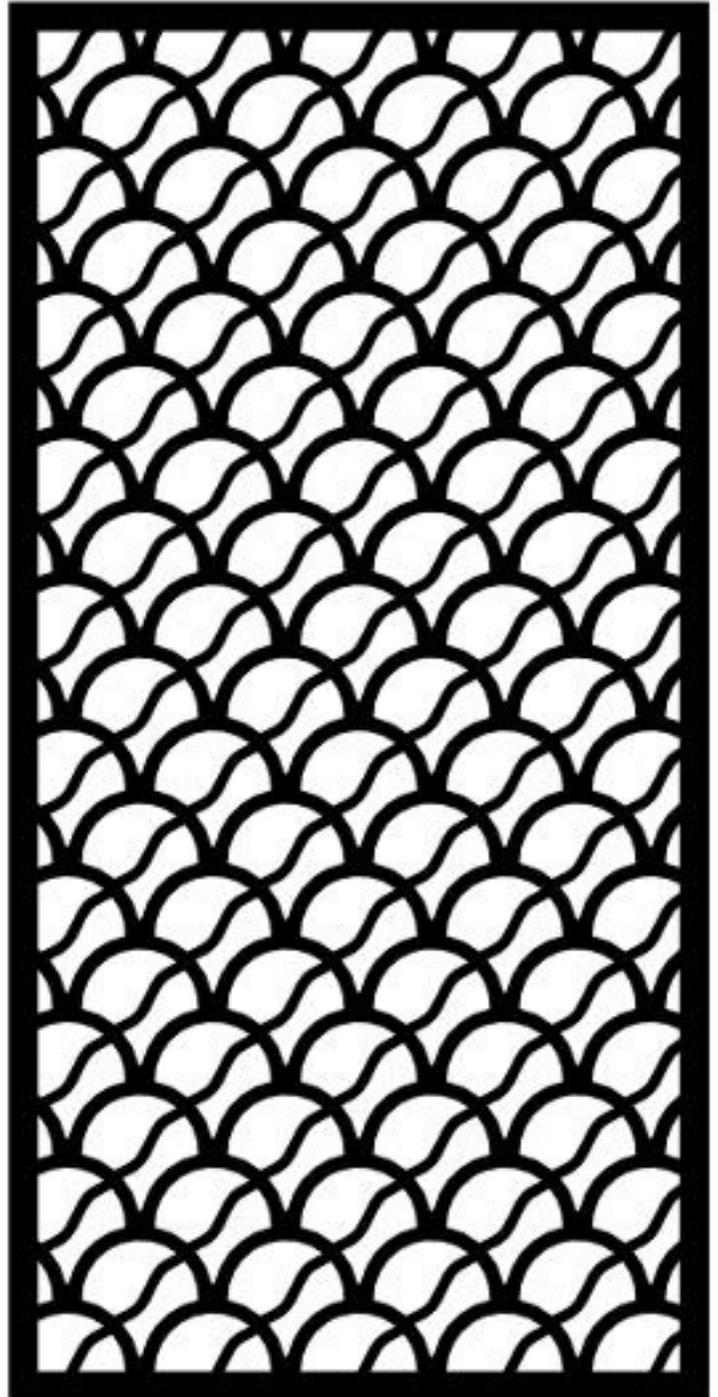


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# ARCADIA

## Description

Arcadia is a rhythmic architectural screen formed from interlocking scalloped arcs that cascade in a layered, disciplined cadence. Inspired by classical arcades and Mediterranean tilework, it introduces structured curvature that softens rectilinear architecture while preserving openness and light. The result is a breathable architectural veil – refined, balanced, and quietly sophisticated.



## Performance & Selection Criteria

- **Openness Percentage:** 51.0%
- **Visual Screening Score:** 45 / 100
- **Pattern Scale:** 75 / 100
- **Directionality:** Bi-Axial (Row-Biased)
- **Rotation Tolerance:** 60 / 100
- **Structural Fragmentation Risk:** 30 / 100
- **Sightline Interruption:** Medium
- **Shade Factor:** 35–40%
- **Style Family:** Architectural Curvilinear / Mediterranean Modern / Art Deco Influence
- **Backlighting Compatibility:** Very Strong – curved geometry produces soft halo diffusion and layered illumination with minimal glare.
- **Typical Applications:** Balcony screens, garden partitions, architectural cladding, hospitality feature walls, backlit installations, pool enclosures, modern residential privacy veils.
- **Note:** When this pattern is specified as a freestanding divider, we recommend upgrading to 3/16" aluminum thickness in place of the standard gauge. This provides improved rigidity, enhanced structural stability, and better long-term performance.



# GATSBY

## Description

Gatsby is a bold rectilinear architectural screen composed of vertically stacked, stepped rectangular voids arranged in a disciplined, repeating cadence. The pattern reads as a structured architectural framework rather than a decorative surface, emphasizing rhythm, proportion, and transparency.

## Performance & Selection Criteria

- **Openness Percentage:** 74.0%
- **Visual Screening Score:** 20 / 100
- **Pattern Scale:** 85 / 100
- **Rotation Tolerance:** 30 / 100
- **Structural Fragmentation Risk:** 25 / 100
- **Sightline Interruption:** Low
- **Shade Factor:** 25%
- **Style Family:** Art Deco / Industrial Luxe / Modern Geometric
- **Backlighting Compatibility:** Moderate — produces a sharp, skeletal silhouette with strong edge definition and maximum light pass-through
- **Typical Applications:** Architectural veils, open partitions, modern retail environments, commercial interiors requiring airflow and visibility, and large-scale architectural layers where structure and rhythm are meant to be seen rather than concealed.
- **Note:** When this pattern is specified as a freestanding divider, we recommend upgrading to 3/16" aluminum thickness in place of the standard gauge. This provides improved rigidity, enhanced structural stability, and better long-term performance.

