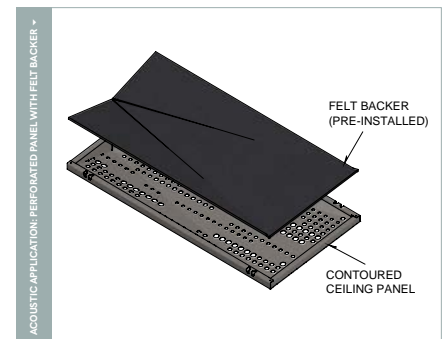
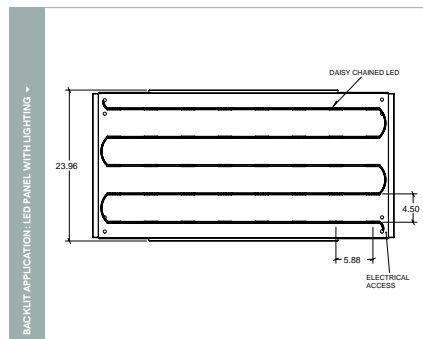
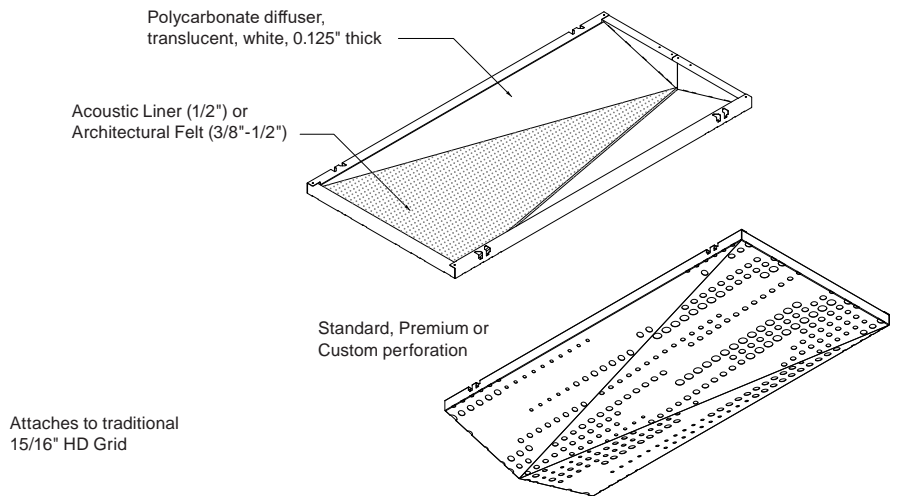


Dimensional Panels showcase bold, faceted 3D designs, amplified with perforation, lighting, or acoustic backing for ceilings that command attention and transform spaces.

MAIN ASSEMBLY ▾



PHYSICAL DATA

- Material substrates – Aluminum | Fabricated
- Thickness .041" - .060" design dependent
- Fire Performance - Class A: Tested per ASTM E84. Flame Spread Index 25 or less. Smoke Developed Index 50 or less. CAN/ULC S102 surface burning characteristics. Flame Spread Rating 25 or less. Smoke Developed Classification 50 or less.
- Weight - Varies from 1.0-1.5 lbs./sq.ft.
- Warranty - One Year Limited
- Surface Finish - Factory-applied polyester paint. Available in Standard Colors, Color Matched and Wood Look Powder-Coated and laminated.
- Seismic areas - Dimensional Panels have been engineered for use in all seismic areas. Installations may require additional attachment from baffle to suspension bar. Check with local code officials or a licensed engineer for additional requirements.

SUSTAINABILITY

LEED CONTRIBUTION - METAL

- LEED BD+C v4 (MR: Regional & Recycled Materials).
- Schools EQ: Acoustic Performance.
- ID+C EQ: Low-Emitting Materials.
- No VOCs.
- EPD available.
- Aluminum contains up to 80% recycled content.

LEED CONTRIBUTION - FELT

- BD+C v4 (MR: Product Disclosure, Recycled Content).
- Schools EQ: Acoustic Performance.
- Up to 60% post-consumer PET felt.
- No VOCs.
- EPD & GREENGUARD Gold certified.

LEED® is a registered trademark of the U.S. Green Building Council

FEATURES

- Create faceted, multi-dimensional designs that can also enhance lighting and acoustics in your space.
- Unlimited finish options - custom colors, wood looks, and films.
- Custom sizes & shapes - At Maxxit custom is what we do best. We will make any shape or size you can design.
- Perforations run to the panel edge and are matched to adjacent panels for a more seamless appearance.
- Attaches to both traditional 15/16" HD Grid and Maxxit's custom suspension system.
- Torsion spring design allows for easy access to light panel. Panels can remain hinged to suspension to avoid damage.
- Cleanable using CDC recommended and EPA-approved disinfectants for fog, spray & wipe.
- Backlighting options include White and RGBW LED (see Lighting Specification page for details).
- Acoustical Options - Perforated panels can be fitted with acoustic infills or architectural felt to reduce noise and enhance visual interest.

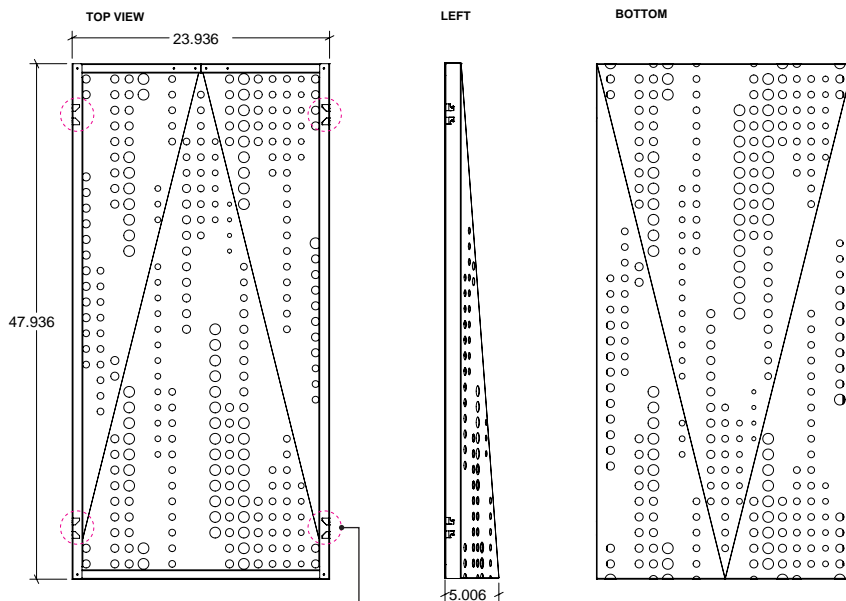
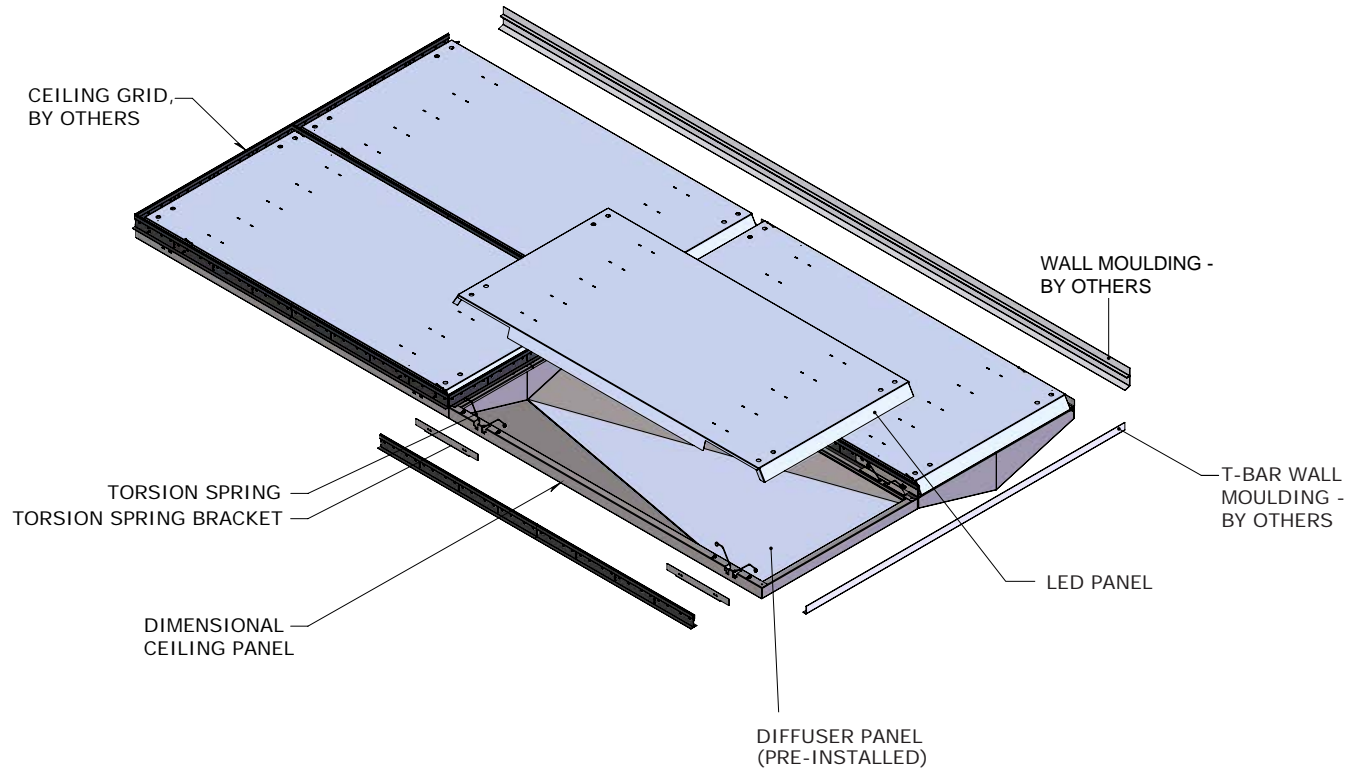
Physical data, Features and Sustainability on this page pertain to the Panels. Refer to the Lighting section for details on lighting.



PANEL SPECIFICATION

BACKLIT APPLICATION

Ceiling panels are designed to be mounted onto standard 15/16" HD Grid using torsion springs.



TORSION SPRINGS
WILL BE PRE-
INSTALLED AT THESE
LOCATIONS

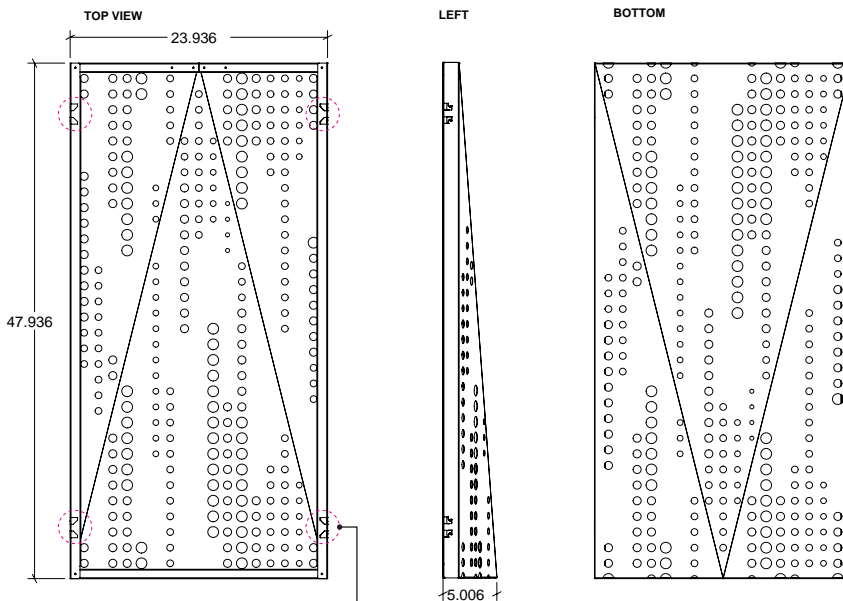
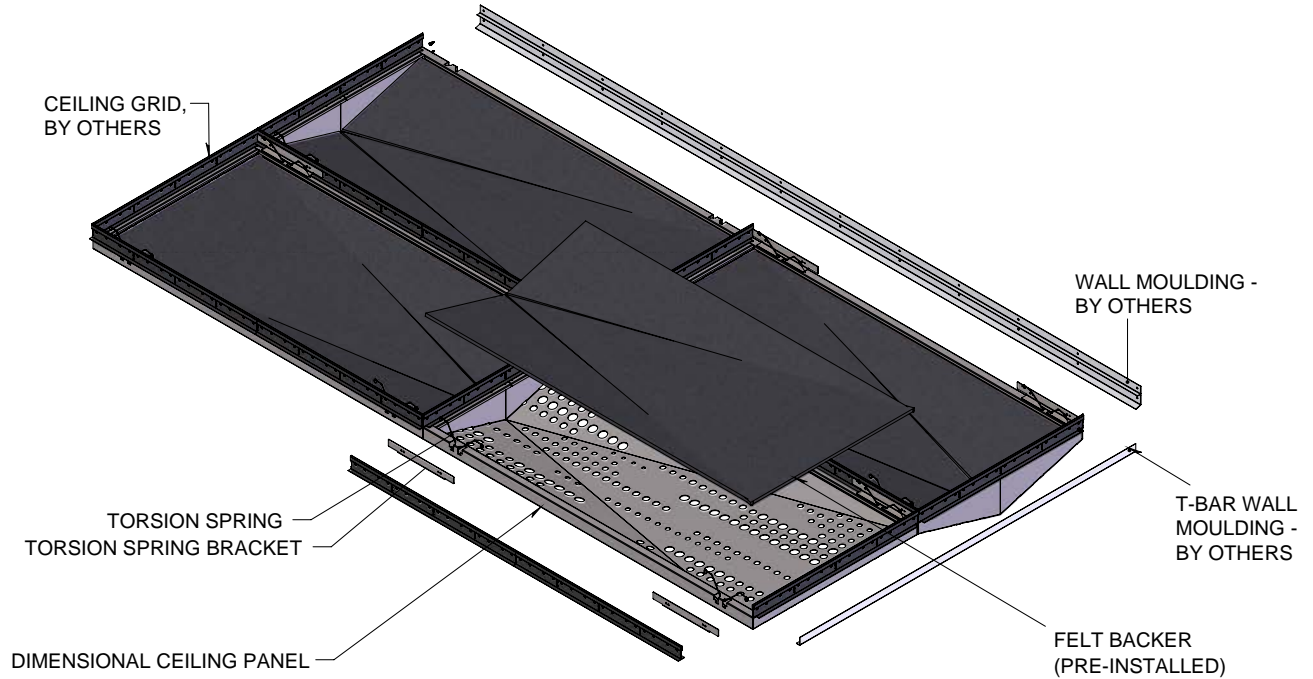
Perforated surface is crafted using unique tiles arranged strategically to minimize visual repetition, creating a seamless look throughout the space. Ceiling panels have edge-to-edge perforations, subtly blending where each panel joins for a unified look. Polycarbonate diffusers are included for even light distribution while protecting the internal LED components (hosted within LED panels).



PANEL SPECIFICATION

ACOUSTIC APPLICATION

Sound absorption can be enhanced by placing acoustic liners or felt panels behind perforated surfaces.



TORSION SPRINGS
WILL BE PRE-
INSTALLED AT THESE
LOCATIONS

Perforated surface is crafted using unique tiles arranged strategically to minimize visual repetition, creating a seamless look throughout the space. Ceiling panels have edge-to-edge perforations, subtly blending where each panel joins for a unified look. Acoustic liners or architectural felt panels are installed behind perforated panels to enhance sound absorption.

LIGHTING SPECIFICATION

The **Maxxit Dimensional back-lit panel system** integrates LED lighting directly into its lightweight, perforated metal ceiling panels, creating a sophisticated, seamless lighting solution. Designed with ease of installation in mind, the back-lit panels feature a modular system that allows for quick assembly and consistent illumination across large spaces. With customizable options for brightness, color temperature, and control systems, Dimensional back-lit panels are ideal for commercial environments, offering both functional lighting and a high-end, modern look. Available in White and RGB versions.

DIMENSIONAL PANELS BACKLIGHTING SPECIFICATIONS

PHYSICAL DATA	WHITE	RGBW
TOTAL LUMENS	2000-2200 Lm / Panel	1800 Lm / Panel
POWER CONSUMPTION	16 Watts / Panel	72 Watts / Panel
VOLTAGE	24 Volt DC	24 Volt DC
COLOR TEMP	3200K - 7100K	up to 6500 K (White) • Red • Green • Blue
CRI	Up to 84	80+
DIMMING OPTIONS	0-10V dimmable down to 1%; non-dimmable	DMX/RDM 0.1%-100%
EFFICACY	157 Lm / w	Varies depending on color temperature and wattage
BEAM ANGLE	175°	117°
SIZE (L X W X D)	48" x 24" x 2.75" (40 modules per panel)	48" x 24" x 2.75" (12 bars/108 LEDs per panel)
CERTIFICATIONS	UL Recognized (C-US) #E219167, UL Classified (C-US) #E229508, CE, ROHS • IP66 rated: for dry, damp or wet location	UL Recognized Component, IP20
OPERATING TEMPERATURE	-40°C to +60°C (-40°F to +140°F)	-20°C (-4°F) ~ +60°C (+140°F)
POWER CABLE	Plenum rated speaker cable, 16AWG, white	Supplied by installer

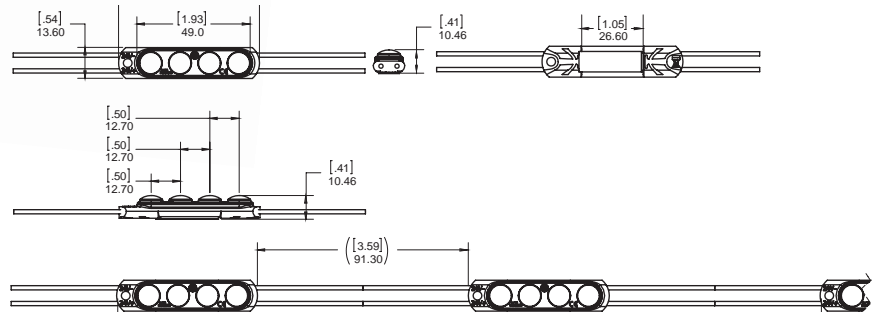
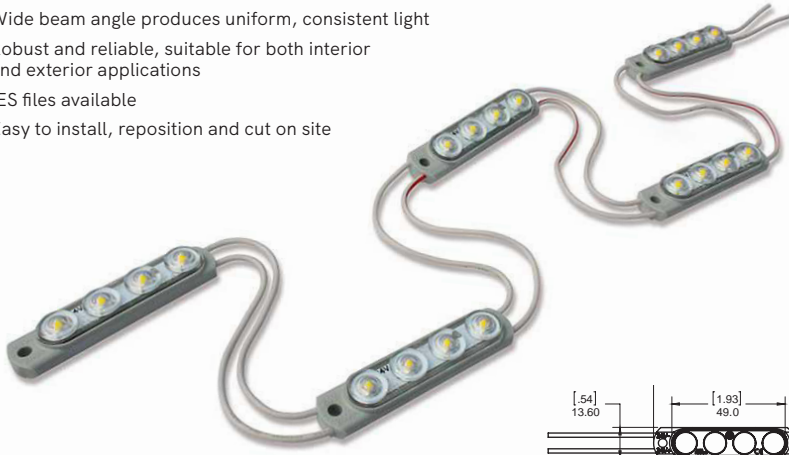




LIGHTING SPECIFICATION

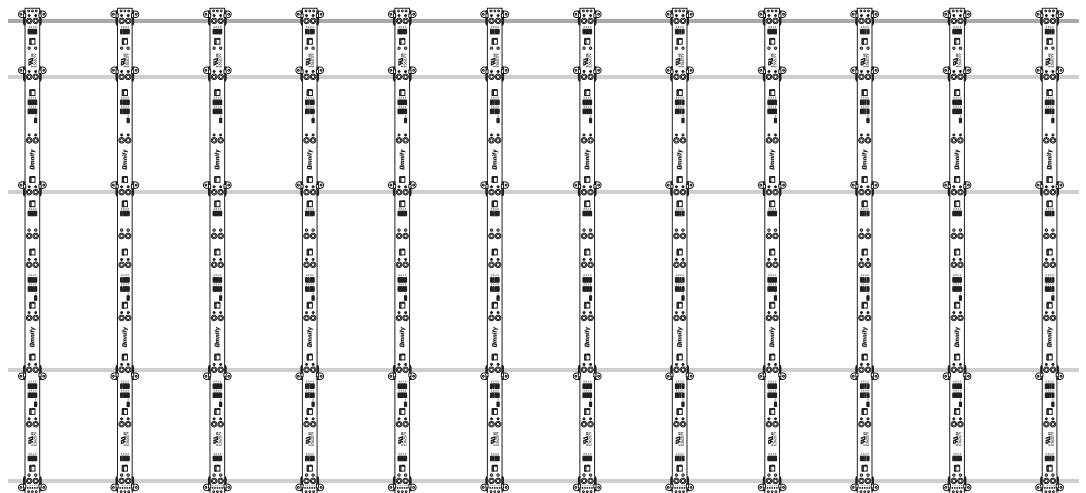
White Backlighting

- Very low power consumption, making it a sustainable, energy efficient option for all environments
- Wide beam angle produces uniform, consistent light
- Robust and reliable, suitable for both interior and exterior applications
- IES files available
- Easy to install, reposition and cut on site



RGBW Backlighting

- A reliable RGBW 4-in-1 5050 LEDs with high performance
- Forward facing diodes for direct color lux and light uniformity
- Wide range of color options, include white (up to 6500K), red, green and blue
- Indoor use only



WOOD LOOK FINISHES

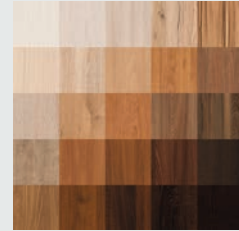
Standard Powder Coated Paint Finishes (Interior & Exterior) Formaldehyde-Free



Custom Colors

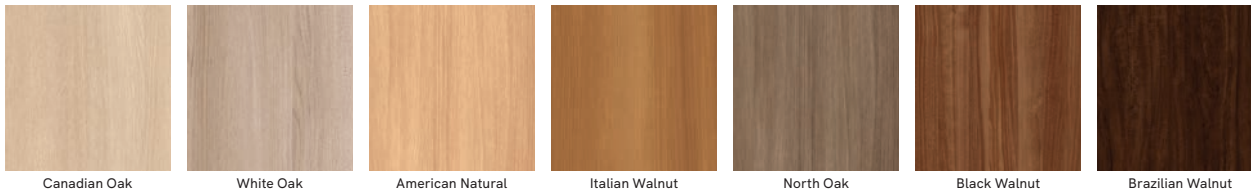
FIND YOUR PERFECT MATCH

At Maxxit we have a passion for finishes; wood, metallic, oil rubbed, whatever your challenge is we can match it!



Send us a color sample so we can quickly provide a color match.

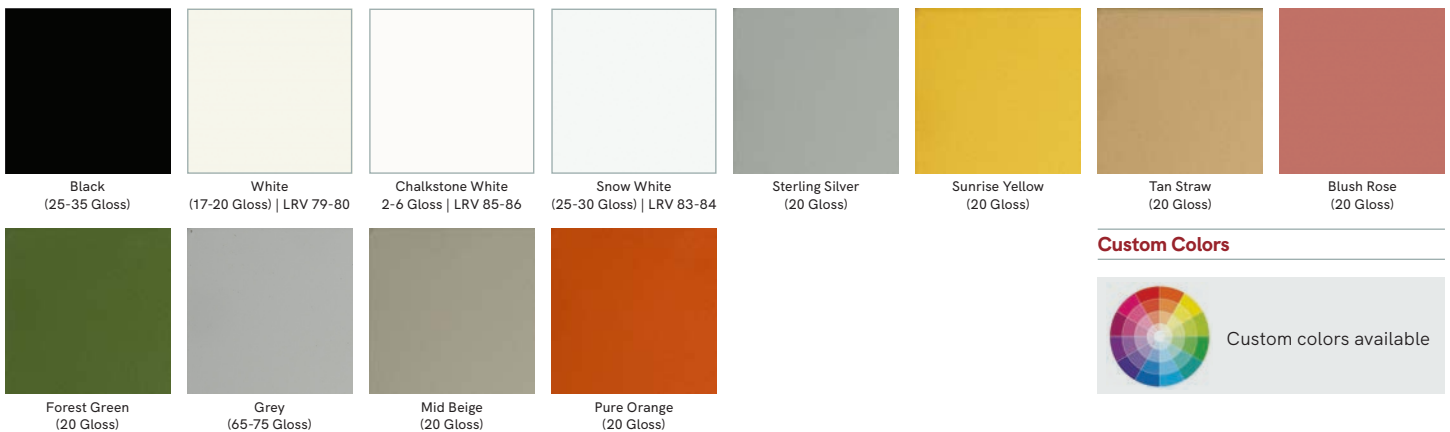
Standard Laminated (Film) Finishes (Interior only). Formaldehyde-free



STANDARD COLORS

Maxxit powder coat finishes offer superior chemical, scratch and UV resistance, they do not emit VOC's and are available in a broad range of textures, glosses and specialty looks.

Powder Coated Paint Finishes (Interior & Exterior) Formaldehyde-Free



Custom Colors



Custom colors available

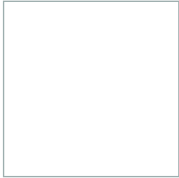
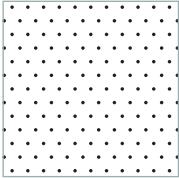
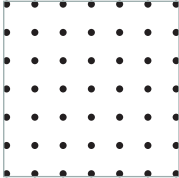
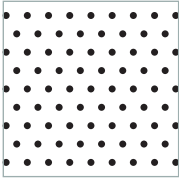
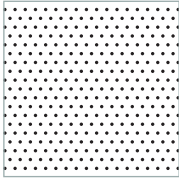
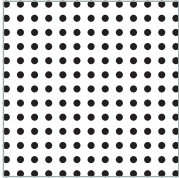
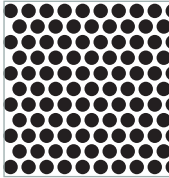
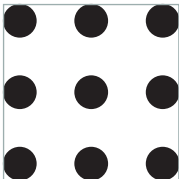
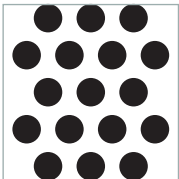
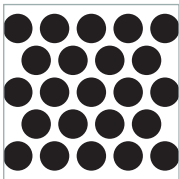
Powder Coated, Bonded Metallic Finishes (Interior & Exterior) Formaldehyde-Free



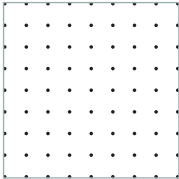
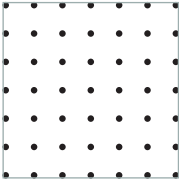
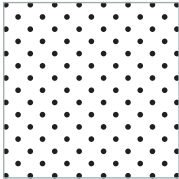
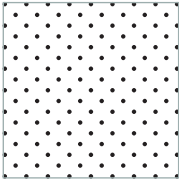
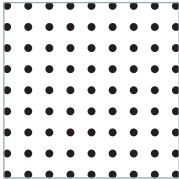

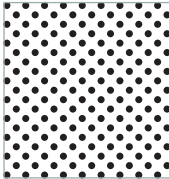
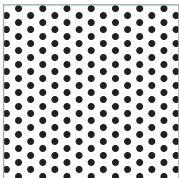
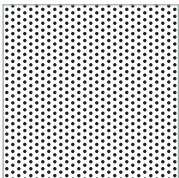
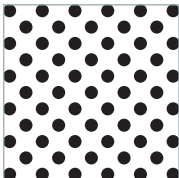
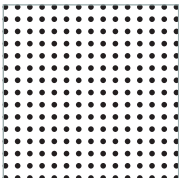
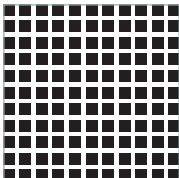
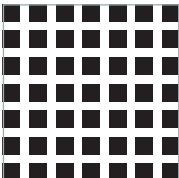
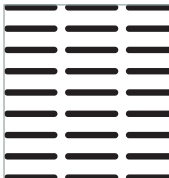
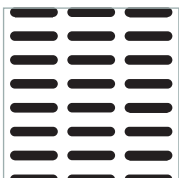
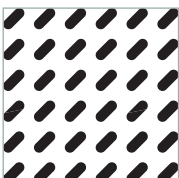
PERFORATIONS

Perforation patterns may be limited or not available for some product styles and designs. Perforation border size varies based on product style, size, and perforation pattern. For specific details, please reach out to your Maxxit representative.

Standard Perforations Angles - Staggered 60°

						
Unperforated	S02 Staggered Diameter 0.0625 Open area 4.50% Centers 0.2812	S03 Straight Diameter 0.125 Open area 4.90% Centers 0.5	S04 Staggered Diameter 0.125 Open area 9.90% Centers 0.3788	S05 Staggered Diameter 0.0625 Open area 10.10% Centers 0.1875	S06 Straight Diameter 0.125 Open area 19.60% Centers 0.25	S07 Staggered Diameter 0.25 Open area 58% Centers 0.3125
						
S08 Straight Diameter 0.5625 Open area 17.50% Centers 1.1908	S09 Staggered Diameter 0.5 Open area 40.30% Centers 0.75	S10 Staggered Diameter 0.5 Open area 58% Centers 0.625				

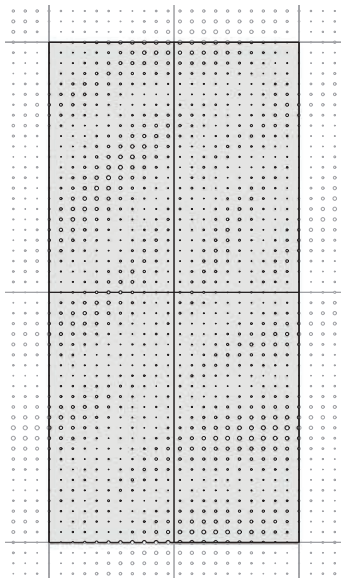
Premium Perforations Angles - Diagonal 45° | Staggered 60°

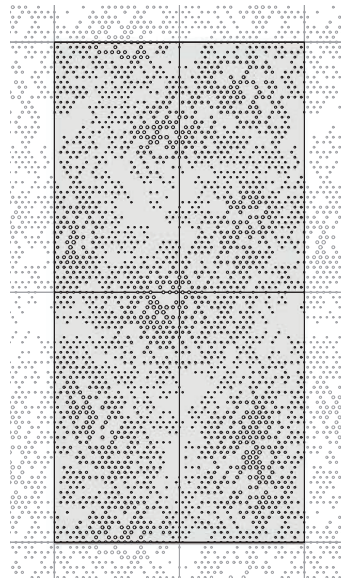
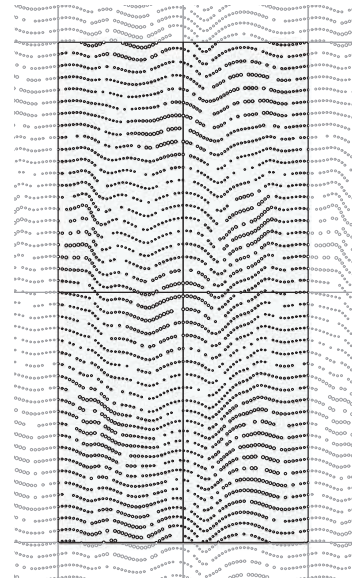
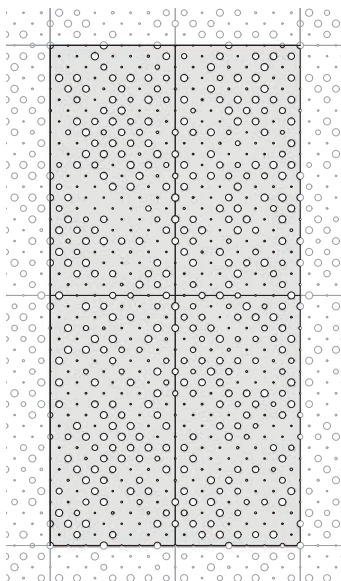
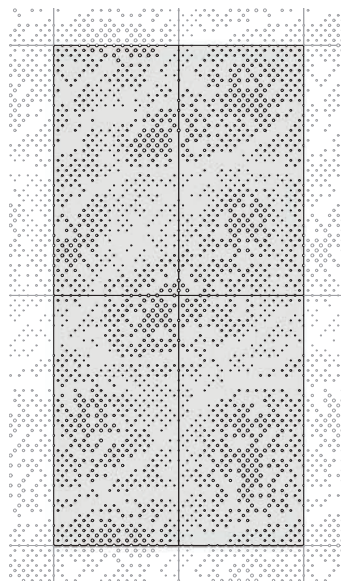
						
P11 Straight Diameter 0.0625 Open area 2.10% Centers 0.3788	P12 Straight Diameter 0.098 Open area 4.14% Centers 0.427	P13 Diagonal Diameter 0.098 Open area 8.28% Centers 0.3019	P14 Diagonal Diameter 0.078 Open area 26.53% Centers 0.1898	P15 Straight Diameter 0.1181 Open area 11.04% Centers 0.315	P16 Straight Diameter 0.2362 Open area 12.57% Centers 0.5906	P17 Diagonal Diameter 0.1181 Open area 22.09% Centers 0.2227
						
P18 Staggered Diameter 0.125 Open area 22.70% Centers 0.25	P19 Staggered Diameter 0.0625 Open area 22.70% Centers 0.125	P20 Diagonal Diameter 0.2362 Open area 25.14% Centers 0.4176	P21 Straight Diameter 0.098 Open area 16.55% Centers 0.2135	P22 Square Straight Hole Size 0.197 x 0.197 Open area 44.60% Centers 0.295	P23 Square Straight Hole Size 0.315 x 0.315 Open area 40.99% Centers 0.492	P24 Oblong Straight Hole Size 0.984 x 0.059 Open area 26% Centers 0.394
						
P25 Oblong Straight Hole Size 0.787 x 0.079 Open area 31.90% Centers 0.394	P26 Diagonal Hole Size 0.394 x 0.079 Open area 25.75% Centers 0.469					



MADE TO ORDER PATTERNS

Custom Patterns Six distinct design families, each with customizable parameters. Whether it's adjusting hole diameter, pattern density, or scale, we can create virtually endless variations of each pattern to suit individual needs and preferences. **Create your perfect design:**


Aqua Flow

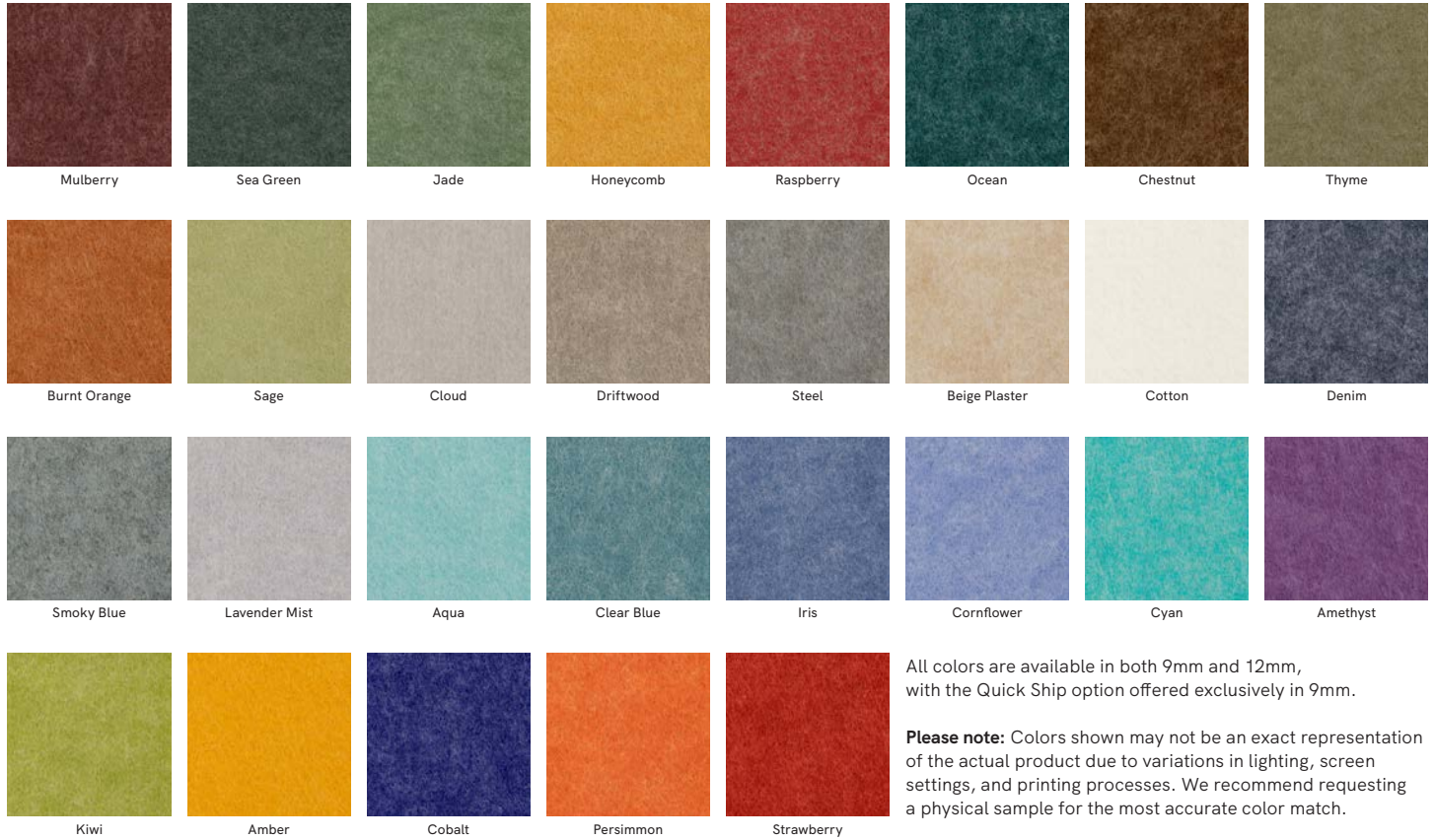
Bitstream

Nebula Mist

Ripple

Starlight

Woodland

Perforated Imaging Perforated imaging employs high-tech manufacturing methods to create detailed images using perforations. Supply us an image, logo or text and we'll apply it onto a metal panel, providing your space with a customized design.

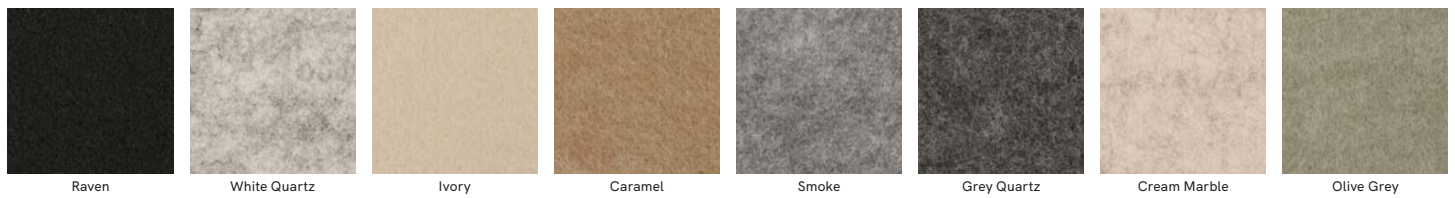


COLOR SELECTION

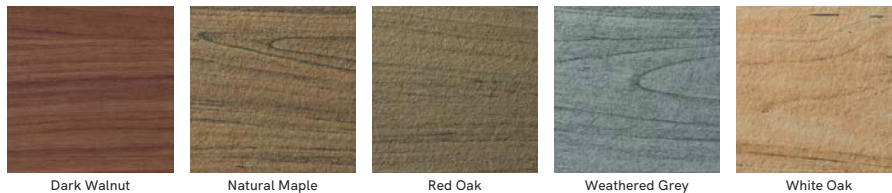
Standard Colors



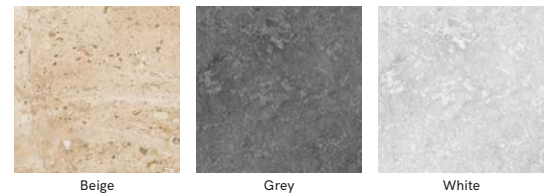
Standard Colors - Quick Ship



Woodgrain Print Options



Limestone Print Options





PANEL:Form™ DESIGNS

BACKLIT
Ceiling



BACKLIT
Walls



CANOPY PARTITIONS



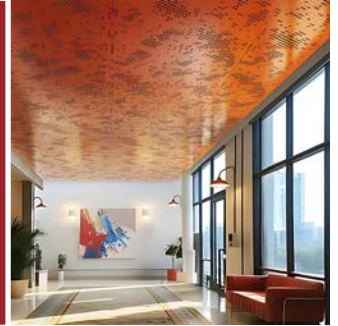
CONCAVE



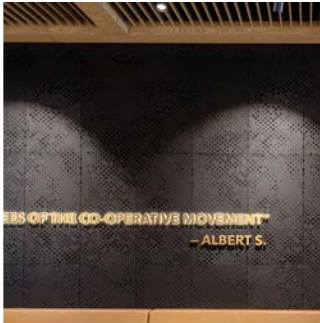
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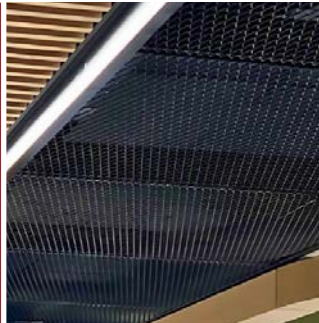
DESIGN PERFORMED
Ceiling



DESIGN PERFORMED
Walls



MESH



MOZAIX



QUIET WALL



RADIUS



SEGMENTED



TRADITIONAL

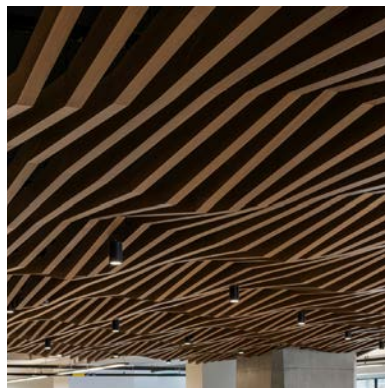


WATER RIPPLE



WHERE CREATIVE ENGINEERING MEETS ARCHITECTURAL VISION

At Maxxit, we combine creative engineering, advanced manufacturing, and close collaboration to help architects and designers bring bold ideas to life. From standard to custom solutions, we turn imagination into precision-built reality.



Co:LAB Studio

Our custom design service empowers architects and designers to realize unique visions through tailored solutions, material innovation, and expert collaboration — turning bold ideas into architectural realities.