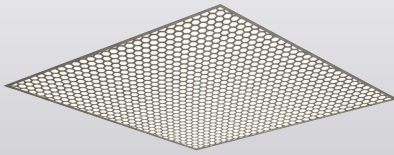
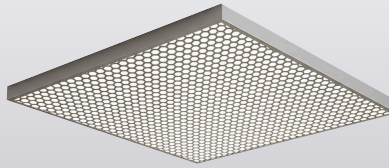


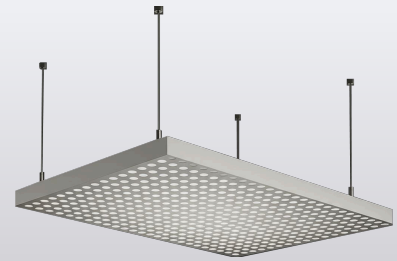
Perfora Metal (RGBW)



Recessed



Surface Mounted



Suspended

ABOUT PERFORA METAL

Perfora Metal brings the strength and sophistication of genuine perforated metal to luminous ceiling design. Its durable construction and bold, tactile surface introduce texture and depth to architectural spaces, while precision backlighting enhances the perforations with subtle radiance.

General Information

Mounting Type	Surface, Recessed, Suspended
Diffuser Material	Perforated Aluminum Panels
Frame Material	Extruded Aluminum
Colour Options	Powder-coated in black or custom RAL finishes
Light Source	Lumimesh Backlighting System
Fire Rating	UL 723 / NFPA 255 / ASTM E84
Control Compatibility	0–10V, DALI
Certifications	ETL Listed
Warranty	5-Year Limited Warranty

Highlight Features

Dynamic Acoustic Control

Perfora Metal panels naturally enhance sound absorption, improving acoustic comfort in open spaces like offices, lobbies, and cultural venues without compromising on aesthetics.

Creative Light Interplay

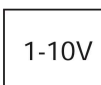
The perforated surface interacts beautifully with light—creating layered visual depth, subtle texture, and a sense of movement that transforms ceilings and walls into architectural features.

Custom Fabrication Precision

Each panel is engineered to exact project specifications, ensuring perfect alignment, clean edges, and a seamless integration into both new builds and retrofit applications.

Durable Construction

Built from high-grade aluminum and finished with protective coatings, Perfora Metal ensures lasting performance, structural integrity, and a modern industrial appeal.



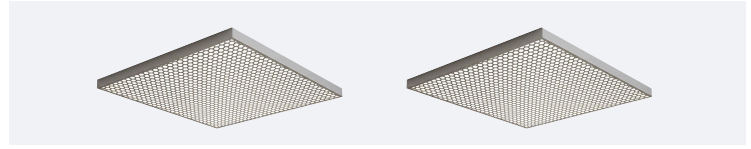
Perfora Metal (RGBW)



Agency:

Project Name:

Project Type:



Product Code

(Example: PERM-SW-RC-1'X2'-SRF-WH-STA-30K-DMV)

1 Product Name	2 Shape	3 Dimensions	4 Mounting	5 Profile Finish
PERM-RGBW – Perfora Metal RGBW	RC – Rectangle CI – Circle HX – Hexagon CST – Custom	WXL – Width x Length SQF – Square Footage D – Diameter	SRF – Surface Mounted SUP – Suspended REC – Recessed	WH – White BK – Black CA – Clear Anodized CST – Custom RAL
6 Lumen/Watt	7 CCT	8 Dimming		
STND – Standard ENCD – Enhanced	27K – 2700K 30K – 3000K 35K – 3500K 40K – 4000K	DMV – 0/10V DALI – DALI		

Order Code

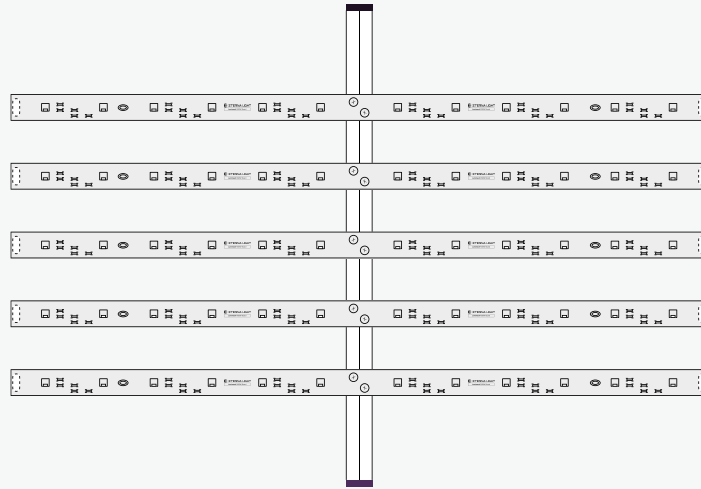
1	2	3	4	5	6
7	8				

Complete the order code by selecting one option per category.

Perfora Metal (RGBW)



Lumimesh Lighting System (RGBW)



The RGBW system takes traditional RGB lighting a step further by adding a dedicated white LED, allowing for both vibrant color effects and clean, high-quality white illumination. This combination enhances brightness, color accuracy, and overall visual depth. Ideal for environments that demand both dynamic color transitions and functional white light—such as smart homes, stage lighting, and architectural spaces—RGBW technology delivers exceptional versatility. The integrated white diode also allows for more natural lighting scenes and adjustable color temperatures, giving you precise control over mood and ambiance.

3000K – A soft white light that feels both inviting and functional, providing just the right balance for everyday settings.

4000K – A neutral white tone that enhances visibility and supports concentration, well-suited for offices, studios, and task-oriented areas.

For more information, consult an Eterna Light specialist.



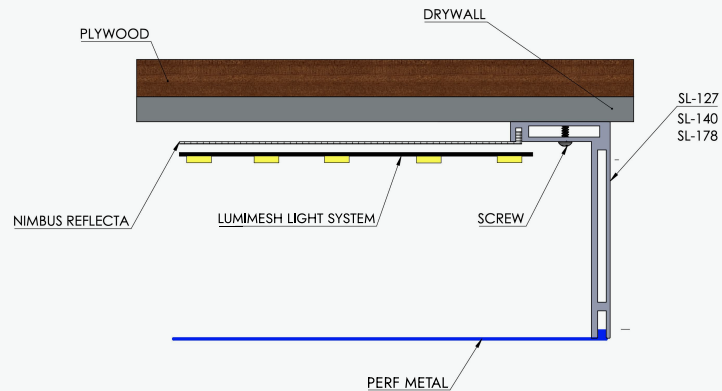
1-10V



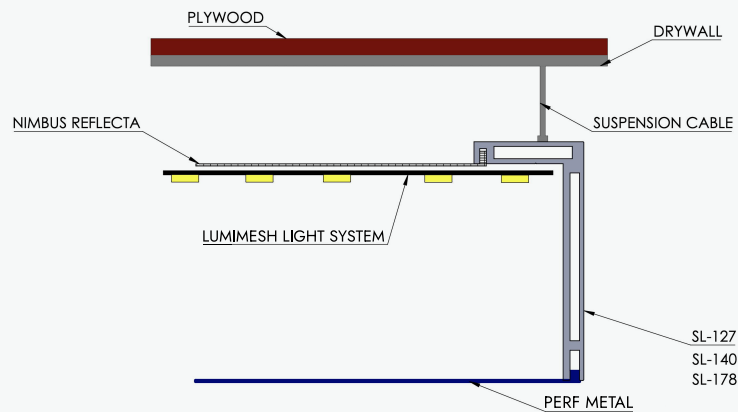
Perfora Metal (RGBW)

Mounting Options

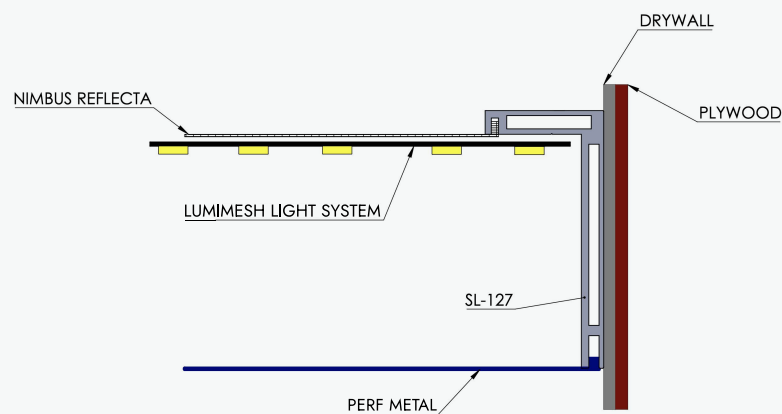
Surface Mounted



Suspended



Recessed



For more information regarding installation, consult with an Eterna Light representative

Perfora Metal (RGBW)



Technical Specifications

MATERIAL & CONSTRUCTION

Crafted from precision-engineered perforated aluminum, Perfora Metal combines structural strength with refined architectural appeal. The rigid yet lightweight panels ensure long-term durability, excellent heat dissipation, and seamless alignment across ceiling and wall installations.

DESIGN FLEXIBILITY

Perfora Metal is highly customizable, offering a variety of perforation patterns, open area ratios, and edge profiles to suit any design vision. The panels can be fabricated in custom sizes, shapes, and finishes, and integrated into suspended ceiling grids or wall systems. Optional acoustic backings and diffusion layers allow further tailoring to project requirements.

LIGHT OUTPUT & PERFORMANCE

When paired with Eterna Light's Lumimesh backlighting system, Perfora Metal transforms into a luminous architectural surface with balanced, uniform illumination. The precision perforations allow soft, diffused light transmission. Delivers high-quality illumination with a CRI of 90+, ensuring accurate and vibrant color rendering.

COLOR TEMPERATURE & CONTROL OPTIONS

Perfora Metal supports a full spectrum of lighting configurations, including Static White (2700K–4000K), Tunable White (2700K–5700K), and RGBW for dynamic color-changing environments. Compatible with advanced dimming and control systems such as 0–10V and DALI, it offers effortless integration into both architectural lighting designs.

POWER & ELECTRICAL

Each configuration is optimized for energy efficiency and flicker-free operation. The system supports universal voltage (120–277V), ensuring compatibility with a wide range of electrical infrastructures.

LIFE EXPECTANCY & OPERATING CONDITIONS

Perfora Metal lighting systems are engineered for long-term reliability, achieving over 60,000 hours of consistent illumination (per IES LM-80 testing). Designed to perform in ambient conditions ranging from -10°C to 40°C (14°F to 104°F), it offers stable, maintenance-free operation throughout its lifespan.

CERTIFICATIONS & RATINGS

Perfora Metal is UL Listed and Damp Rated, ensuring compliance with North American safety and performance standards. The panels meet strict fire safety codes, including UL 723, NFPA 255, ASTM E84, and Bs1 d0, delivering superior fire resistance and peace of mind in both commercial and public installations.

