



eos

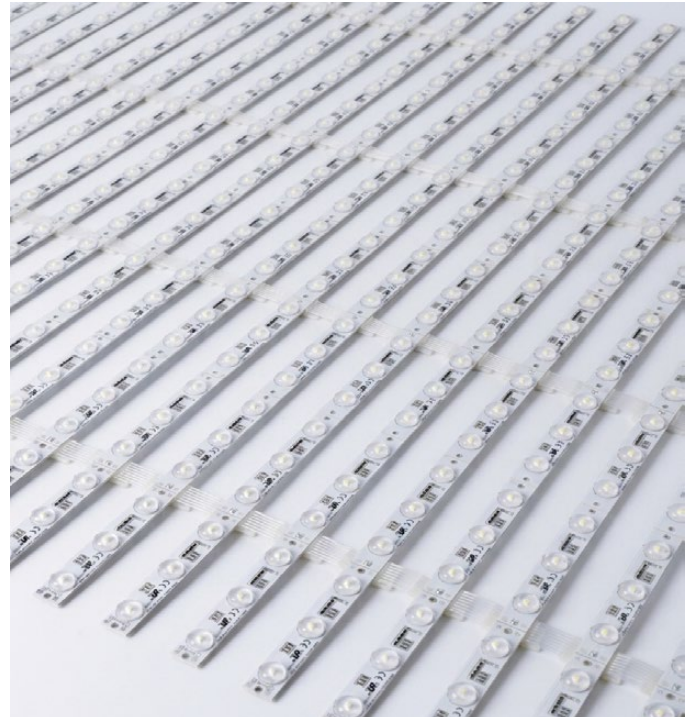
STRATA

Scalable LED Strip Matrix System



WHAT IS EOS STRATA?

- Strata is a scalable LED strip matrix system built to deliver uniform, full-color illumination across large surface areas. Built on an RGBW architecture, Strata combines a full RGB color spectrum with a dedicated white channel – making it equally capable of vibrant color displays and precise tunable white lighting.
- Because it's built from individual LED strips arranged in a matrix, Strata scales to fit virtually any surface – from a single backlit ceiling to a wall that spans an entire room – with units placed side by side for larger installations.



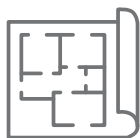
KEY BENEFITS

- RGBW color mixing for vibrant color or precise tunable white output
- Scalable matrix system for seamless large-format installations
- Can be finished behind fabric, glass, acrylic, stone, or nearly any material a project calls for
- Three color configurations and three backing options to fit any project
- DMX and 0-10V/MLV/ELV compatible for versatile control options
- 24V DC input, compatible with standard EOS drivers and controllers
- Long-lasting: 50,000+ hour lifespan – nearly 12 years at 12 hours of daily use
- Virtually maintenance-free once installed

APPLICATIONS



HOSPITALITY



COMMERCIAL INTERIOR



RESTAURANT



BARS



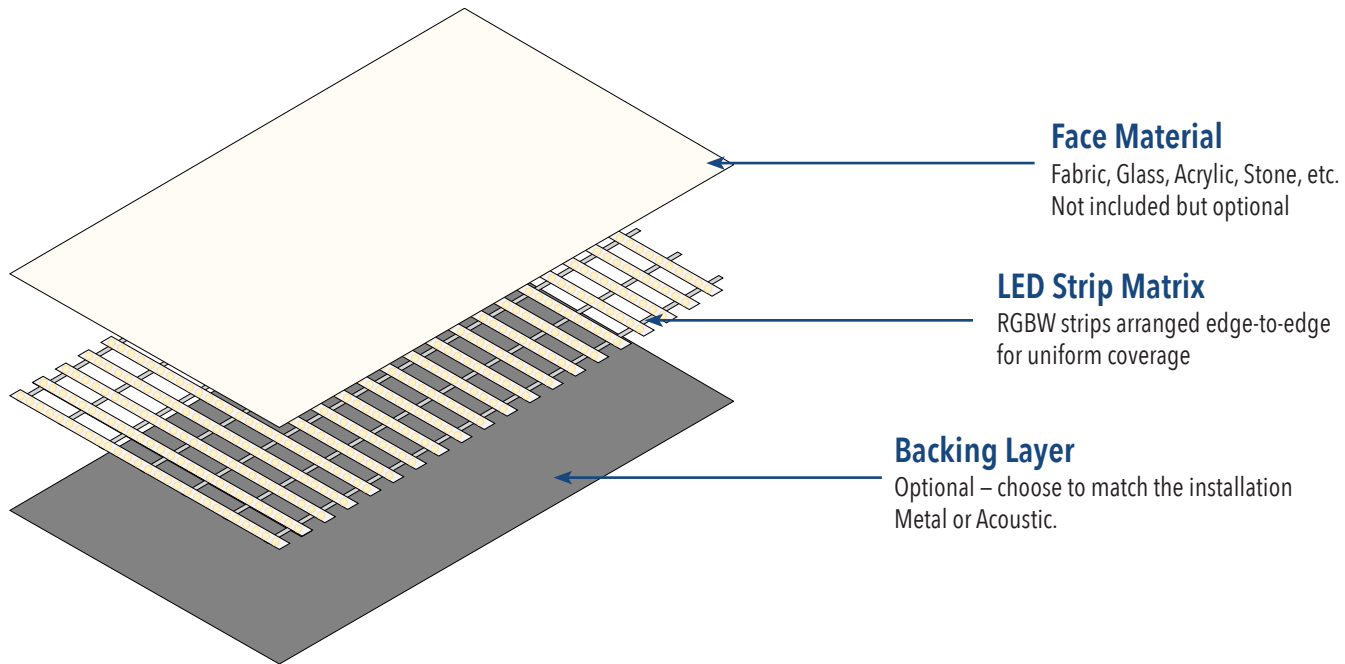
RETAIL



HEALTHCARE

HOW STRATA IS BUILT

At the core of every Strata installation is the LED strip matrix itself – the light engine that delivers high, even output across large surface areas – paired with an optional backing layer chosen to match the project. The face material shown on top in the diagram below is illustrative: it is not included by default. It's specified per project, and can be fabric, opaque or frosted glass, acrylic, backlit stone, or another architectural material the design calls for – contact EOS to specify the right face material for your installation.



For reference, the photo below shows the same principle in a related EOS product: a face material folded back to reveal the LED matrix underneath. **The fabric shown here is just one example finish – not the only option, and not a standard inclusion.**



AVAILABLE OPTIONS

Strata adapts to virtually any project requirement. Two sets of choices let it be tailored to the space: the color configuration of the LED matrix itself, and the backing applied behind it. The face material that finishes the light for the room – fabric, glass, acrylic, stone, or almost anything else a project calls for – isn't a fixed catalog item; it's discussed and specified together with your EOS representative for each installation.

Color Configurations

Configuration	Key Spec	Best For
Static	10 W/sq ft	Consistent, always-on white illumination at the lowest energy draw – the most efficient option
Color Tunable	14 W/sq ft	Spaces that need adjustable white color temperature across the day, e.g. hospitality lobbies
RGBW	6 W/sq ft	Dynamic, colorful displays and feature moments – full RGB spectrum plus a dedicated white channel

Finish Options

Strata can be specified with or without a backer, depending on the demands of the installation:

Finish	Key Spec	Best For
Standard (No Backer)	–	The base configuration; the most economical option for standard interior installations
Metal Backer	1.8-2mm aluminum composite	Added rigidity and durability for demanding or high-traffic installations
Acoustic Backer	NRC 0.70	Sound absorption for lounges, restaurants, and wellness spaces where both light and acoustics matter – no impact on wattage or wiring



Standard – no backer



Metal Backer



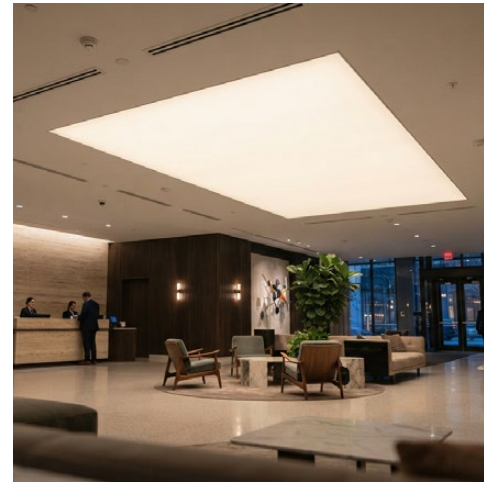
**Acoustic Backer –
felt visible behind strips**

STRATA'S VERSATILITY

Why We Recommend STRATA

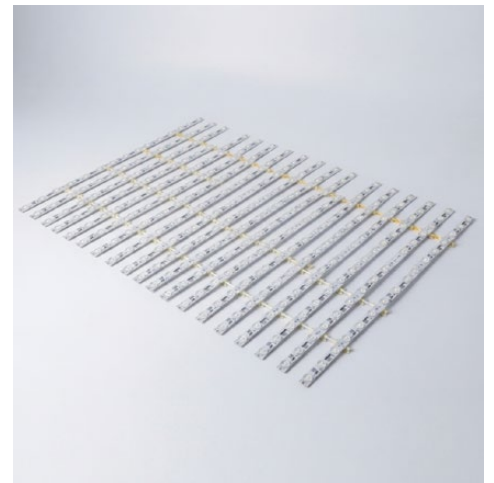
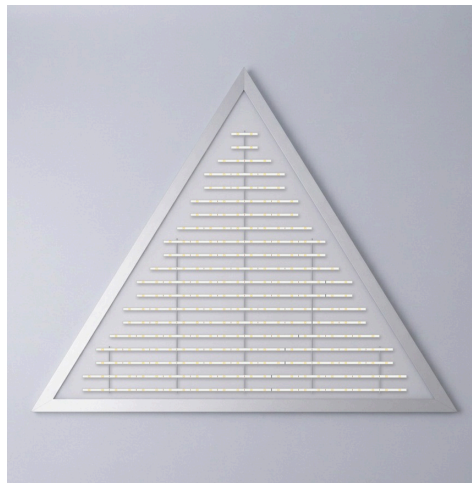
Strata is the right fit for large or custom-shaped backlit surfaces – feature walls and ceilings in hotels and casinos, illuminated storefronts, light boxes, and residential installations – especially when a project calls for color-changing light, a specific finish (rigid or acoustic), or a scale that a single panel can't cover.

Because Strata is built from a matrix of individual strips rather than a fixed panel, it isn't limited to rectangles. The same technology has already shipped in pentagons, diamonds, triangles, and fully custom outlines – a strong visual story for how adaptable this system is.



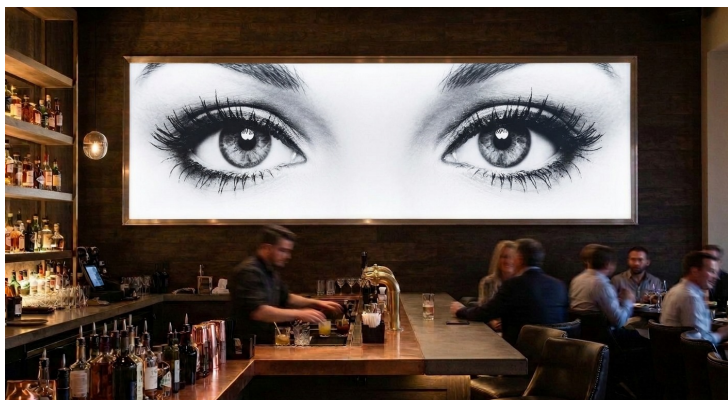
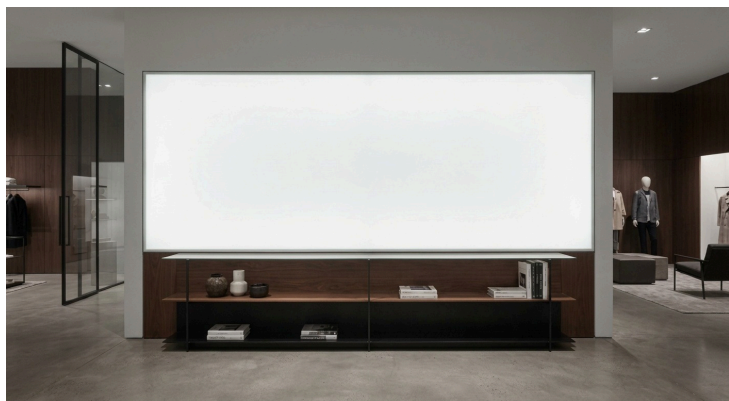
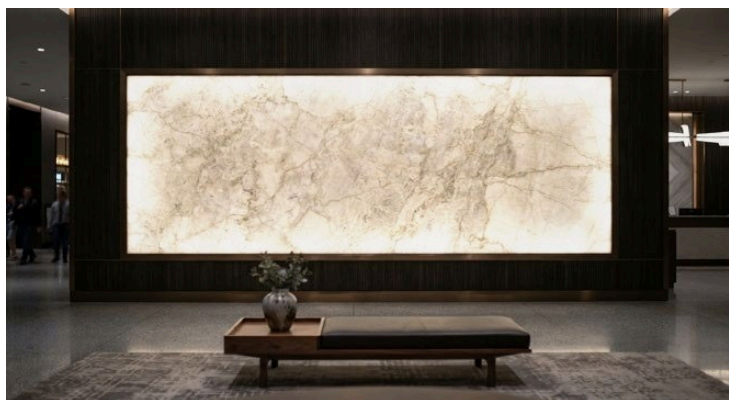
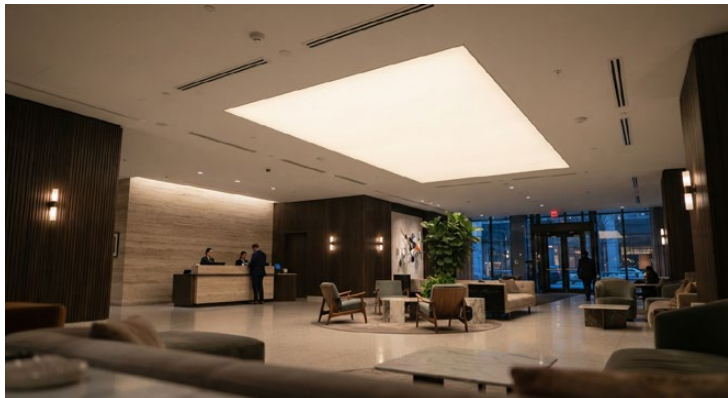
How the Matrix Adapts to Any Shape

The construction method is the same on every Strata installation, whatever the outline: individual LED strips run parallel to each edge of the surface, nested inward row by row, and shortened automatically as they approach the center. This is the same finger-board wiring logic used on a standard rectangle – it simply follows whatever perimeter the project calls for, from a triangle or pentagon to a fully custom curve.



Illuminating Nearly Any Surface

Strata's versatility isn't just about shape. Because the LED matrix is the light engine and the visible surface is a separate layer on top, Strata can be used to backlight fabric, glass, acrylic, stone, wood veneer, or almost any material a project already calls for – a feature wall, a signage panel, a piece of art, an architectural material the design team has specified. It's less a fixed product than a way to bring high, even light to virtually any surface a space needs illuminated. Have a specific material or application in mind? Bring it to your EOS representative – we'll help figure out if and how Strata can light it.



TECHNICAL SPECIFICATIONS

LED Strip Matrix System	A backlit matrix system consisting of evenly spaced LED strips used as back lighting
Wattage	Static: 10 W/sq ft Tunable: 14 W/sq ft RGBW: 6 W/sq ft
Luminous Output	200 – 1,800 lumens/sq ft
Efficacy	150 – 200 lm/W
CRI	90+
Strip Length	980 mm (38.5") per strip
LED Count per Strip	Static: 14 LEDs Tunable: 21 LEDs RGBW: 28 LEDs
Strip Spacing	Static & Tunable: 70mm apart RGBW: 50mm apart
Cuttable Sections	Static & Tunable: 140mm increments RGBW: 70mm increments
Dimensions per Unit	1960 mm × 2438 mm (77" × 96") – units can be placed side by side for larger installations
Backlighting Depth	Minimum 3" (76 mm) from the LED strips to the face material, for backlighting any material
Driver Input Voltage	100V – 480V
Power Options	24VDC standard
Dimming	Dimmable to <10% with compatible dimmable power supplies
Wire Gauge	20GA for white panels, 24GA for color
Weight	1.2 lbs/sq ft
Operating Temperature	-13°F to 158°F
Lifetime	50,000+ hours (~12 years at 12 hrs/day)
Warranty	5 years, per EOS warranty policy

COLOR TEMPERATURES

- Static White
- Tunable White (full range)
- RGBW – full RGB/RGBW color spectrum available

COMPATIBLE POWER SUPPLIES

- 0-10V / MLV / ELV dimming | DMX
- Electronic Low Voltage (ELV)
- RF Dimmable Plug-In
- Inline Dimmable Plug-In

CERTIFICATIONS & QUALITY

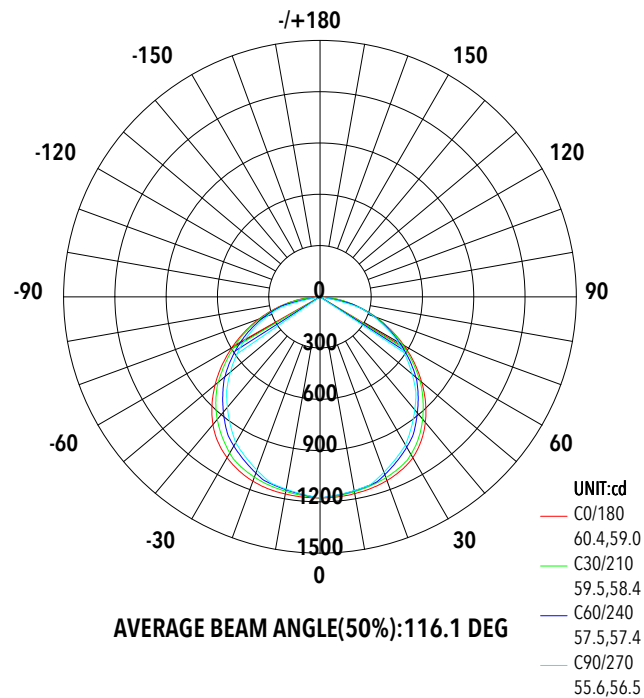
Every STRATA system is built to meet rigorous safety and performance standards, giving clients complete confidence in the fixture.



NAME	STR-24-60x36-SP-6000
NOMINAL POWER(W)	24.4
RATED VOLTAGE(V)	24
NOMINAL FLUX(lm)	3180.14
SIZE	60" x 36"
COLOR	6000K

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

STRATA, 60" x 36",
24V, Standard Power, 6000K





PHOTOMETRY

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LUMINOUS DISTRIBUTION INTENSITY DATA

C (DEG) Y (DEG)	0	45	90	135	180	225	270	315
0	1177	1177	1177	1177	1177	1177	1177	1177
5	1175	1167	1164	1167	1176	1164	1160	1164
10	1169	1155	1151	1156	1171	1150	1143	1149
15	1160	1141	1139	1144	1164	1135	1126	1131
20	1144	1125	1093	1130	1148	1117	1079	1113
25	1121	1083	1047	1091	1123	1077	1033	1073
30	1087	1034	1001	1044	1087	1027	987	1025
35	1031	980	932	992	1040	974	915	973
40	959	921	863	931	975	914	844	909
45	873	835	794	845	895	835	772	818
50	777	745	704	757	802	750	685	726
55	674	653	615	668	702	661	598	633
60	566	547	526	566	597	560	511	532
65	456	444	429	466	489	461	419	432
70	347	341	332	365	381	362	328	333
75	241	238	236	263	276	263	236	234
80	138	121	0	142	174	144	0	121
85	44.1	0	0	0	77.6	0	0	0
90	0.44	0	0	0	0.5	0	0	0



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