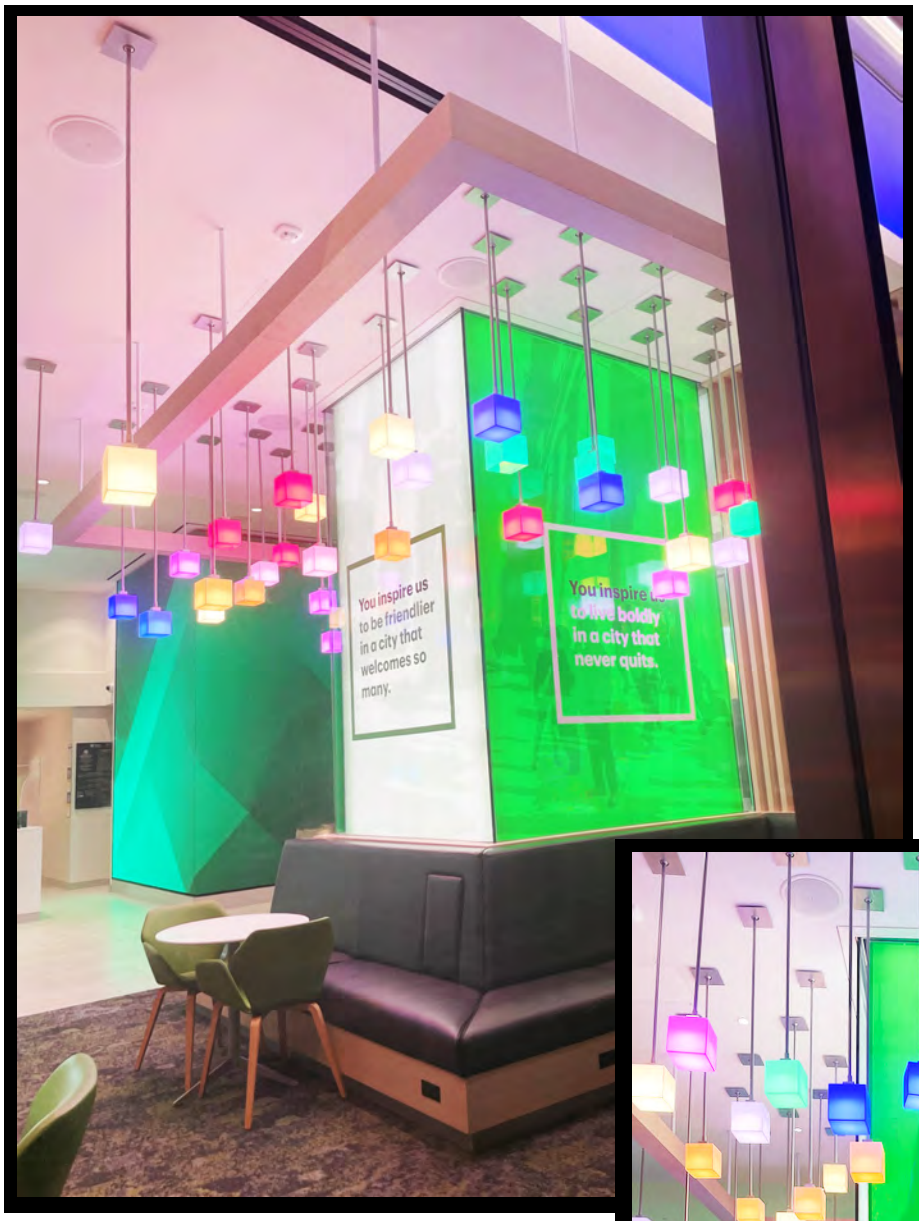
Case Study

One Vanderbilt
New York, NY

This flagship banking branch location at the corner of Madison Avenue and East 42nd Street in New York City's One Vanderbilt is a high-visibility and well-trafficked store. It is right down the street from Grand Central Terminal / Pershing Square Plaza, and it is also a competitive location – in that a Citibank store is located immediately across the street.

When the client decided to conspicuously backlight the elements of this branch that can be seen through all the public street windows — its entire wallside backdrop behind the welcome counters, several 4-sided pillar structures in the lobby, and a massive logo sign visible from both streets — it entrusted none other than EOS Light for the job.

In order to brilliantly and conspicuously make these inside store elements “pop,” they

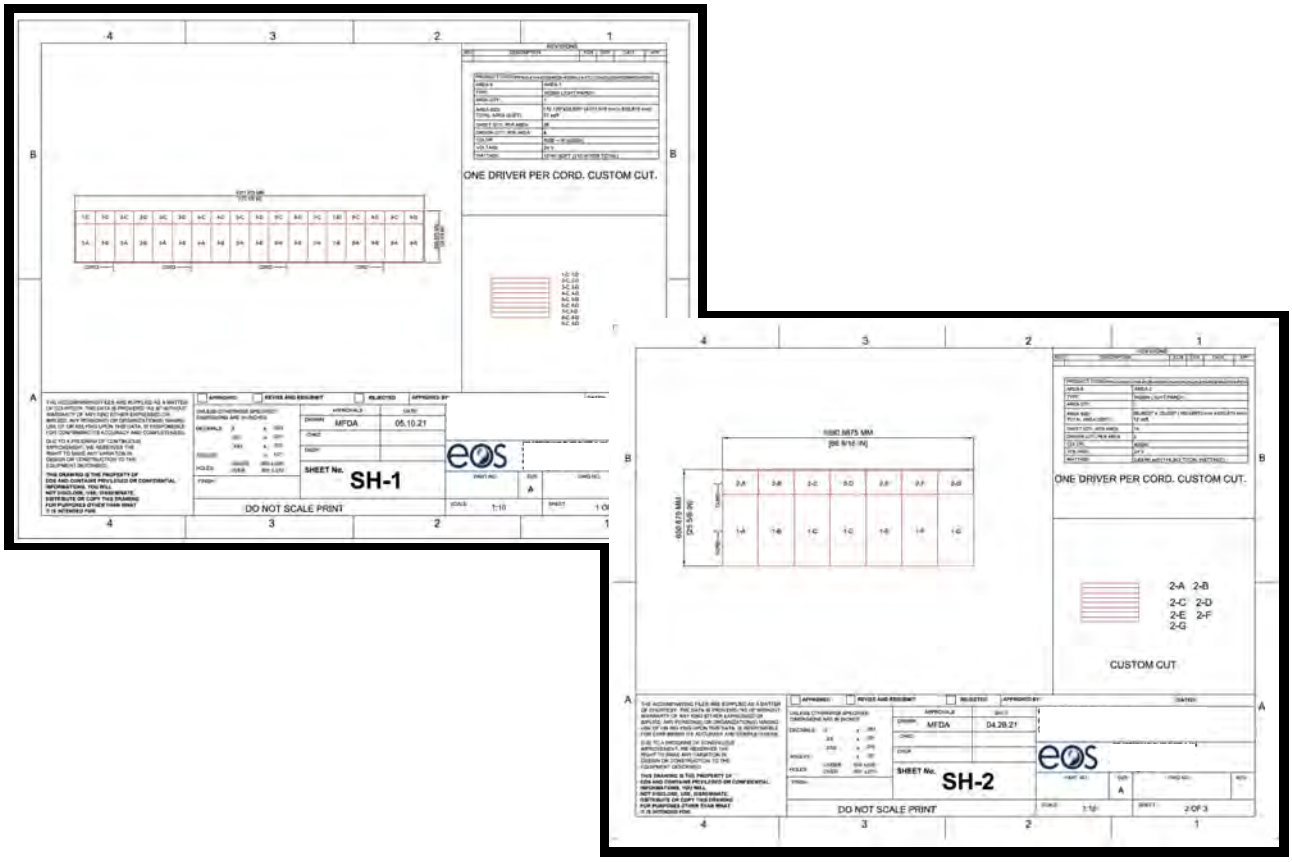


required a lighting solution that could both backlight without hot spots, and which could also be installed with minimal setback – since the installation space between the lit surfaces and the structures was not incredibly deep.

EOS LightPaper was the perfect solution – thin, bendable and cuttable LED sheets that can be used with very little setback and are easy & quick to install.

In order to set the lighting color to the precise green of the client's branding, RGBW LightPaper was selected which, in this application, was dialed in to the exact desired shade and saved. This created a striking effect for glowing pillar sides, walls and logos – all of which can be seen by drivers and passersby on street level and from the second floor windows. The client was exceedingly proud of the end result.

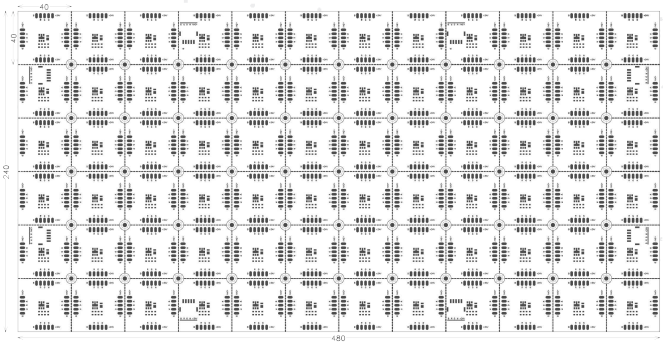
Example Planning Documents / Drawings for this Custom Job (partial):

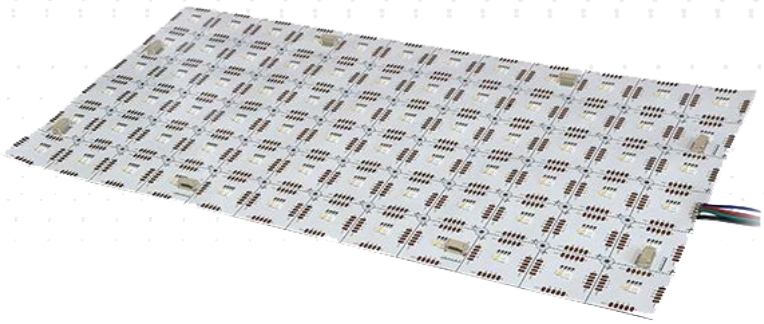


LightPaper

RGBW **LightPaper**

- Thin, lightweight, flexible, cuttable light sheets
- Suited for shallow setback starting at 1/4"
- For walls, ceilings, curved structures and custom shapes
- Color Changing RGB plus dedicated white in 2700K, 3000K, 4000K or 6000K
- Multiple Lumen Packages and Wattages
- 90+ CRI





The versatility of RGBW eos LightPaper allows use in a large number of applications:

HOSPITALITY

RESIDENTIAL

COMMERCIAL INTERIOR

CUSTOM FIXTURES

MILLWORK

TASK LIGHTING

LOGOS AND SIGNAGE

COVE LIGHTING

RETAIL

BRANDING

ACCENT LIGHTING

HEALTHCARE

1740 Broadway, 15th Floor, New York, NY 10019 310.616.5070 310.616.5056 eoslight.com

General **Specifications**

FLEXIBLE TECHNOLOGY :
LightPaper is versatile, flexible and thin LED technology that can wrap around curved surfaces or be cut into custom shapes

PAPER SIZE :
Each sheet is 19" x 9.5" and seamlessly expandable via Molex® connectors up to 80W per driver. C a be cut at the factory or in the field into 1.57" squares.

SETBACK :
RGBW LightPaper is suited for shallow setback starting at 1/4", depending on the transparency of the illuminated material; most can be evenly illuminated w/ 1 - 2" setback. We fully recommend creating a mock up prior to specifying the job. Contact your EOS agent for assistance.

LONG LIFE :
Over 50,000 hours = Nearly 12 years based on 12 hours a day. Once installed, LightPaper is virtually maintenance free.

CRI :
90+ CRI

POWER OPTIONS:
24VDC Adapter

DRIVER INPUT VOLTAGE :
24VDC/120V-277V Universal AC Input

LUMENS & WATTAGE (See page 3):
4W - 15W per sq ft
150 - 650 Lumens per sq ft

DIMMABLE :
LightPaper is dimmable when matched with Dimmable Power Supplies. (DMX/DALI)

LEDs :
ANSI Binned LEDs from Tier 1 Suppliers
LED CRI > 90+
LED CRT - RGB+2700K, RGB+3000K, RGB+4000K, RGB+6000K

WIRE GUAGE:
22 AWG Wire

DAMP LOCATION :
LightPaper is Damp Location Rated when driven with a Class 2 Power Supply

HOSPITAL AND MRI SAFE :
The system contains non-ferrous materials, making LightPaper safe for MRI suites. The LightPaper Power supply must be installed remotely, up to 30 feet from the application.

SERVICE AND INSTALLATION :
LightPaper is field serviceable, and can be precut by our production team to customer specifications.

LIMITED WARRANTY :
3 Years - See Website for full details.

Up to 15W, >650 Lumens per sq ft for signage & architecturally decorative objects

Dimmable, energy-efficient and cool-running

Lightweight, Easy-Install

Quick, easy installation in indoor applications

APPROVALS AND CERTIFICATIONS:
The LightPaper System is UL listed for Architectural applications and UL recognized for signage. All power supplies are UL / ETL listed.

DIMMABLE

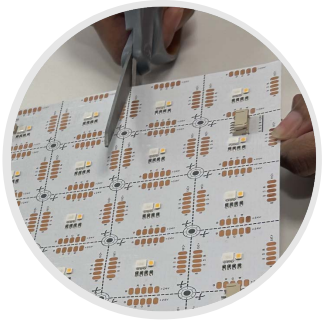
DAMP LOCATION

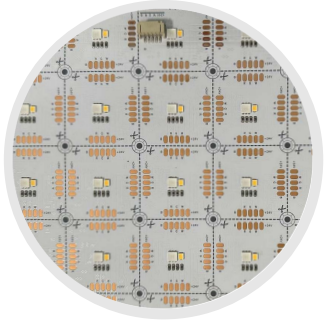
c UL us LISTED LOW VOLTAGE LUMINAIRE E480527

c US E467626

CE RoHS

Molex is a registered trademark of Molex, LLC.





Product Specification
Ordering Form

NAME:	PROJECT NAME:	ADDRESS:
PHONE:	PROJECT LOCATION:	CITY:
EMAIL:	ANTICIPATED DELIVERY DATE:	ZIP CODE:
COMPANY NAME:	PROJECT SPECIFIER:	RUSH PROJECT: ☐ Yes ☐ No

A	B	C	D	E	F	G1	G2	H	I	J
LIGHTPAPER	FLEXIBLE	LED CHIP TYPE	INDOOR + LED QTY	COLOR TEMP	VOLTAGE	ILLUMINATED AREA LENGTH X HEIGHT (IN INCHES)		LIGHTPAPER TYPE	5-DIGIT PROJECT #	REVISION # Z
PPR	S	5050	I144	RGB-2700K	24	G1xG2		RGBW450	YYYYY	REVZ

A MATERIAL

PPR- LightPaper

B RIGIDITY

S- Flexible

C LED CHIP TYPE

5050 - Chip Type

D LED QTY

I - Damp Location/Indoor
144 - LED Chips per Sheet

E COLOR TEMP

RGB-2700K - RGB + 2700K
RGB-3000K - RGB + 3000K
RGB-4000K - RGB + 4000K
RGB-6000K - RGB + 6000K

F VOLTAGE

24- 24VDC (w/ UNV 120-277V Driver)

G ILLUMINATED AREA

G1 - Length in inches
G2 - Height in inches

H LIGHTPAPER TYPE

RGBW - RGBW w/ lumen packages indicated

I PROJECT #

YYYYY - 5-Digit Project #

J REVISION #

REVZ - REVISION # Z

Code for above Column H	Full LightPaper name and reference lumens	Precise Lumens Per Sq Ft	Wattage Per Sq Ft
RGBW650	RGBW LightPaper 650	650	15
RGBW450	RGBW LightPaper 450	450	10
RGBW300	RGBW LightPaper 300	300	7
RGBW150	RGBW LightPaper 150	150	4

PROJECT NAME:

PROJECT LOCATION:

Please fill out the form

A	B	C	D	E	F	G1 G2	H	I	J
LIGHTPAPER	FLEXIBLE	LED CHIP TYPE	INDOOR + LED QTY	COLOR TEMP OPTIONS	VOLTAGE	ILLUMINATED AREA	LIGHTPAPER TYPE	5-DIGIT PROJECT #	REVISION #Z
PPR	S	5050	I144	RGB-2700K	24	G1xG2	RGBW450	YYYYY	REVZ

1. What is the Application the LightPaper will be used for?
E.g.: Hospitality, Retail, Signage Etc.

2. What are the LightPaper backlighting?
E.g.: Stone, Graphic, Glass, Acrylic Etc.

3. Are there any installation details to review?

4. Is there an existing Dimming or Lighting Control System?
If so, please provide Representative with information of the Control system (specs, manufacturer, etc.)

Additional information:

1740 Broadway, 15th Floor, New York, NY 10019 310.616.5070 310.616.5056 eoslight.com