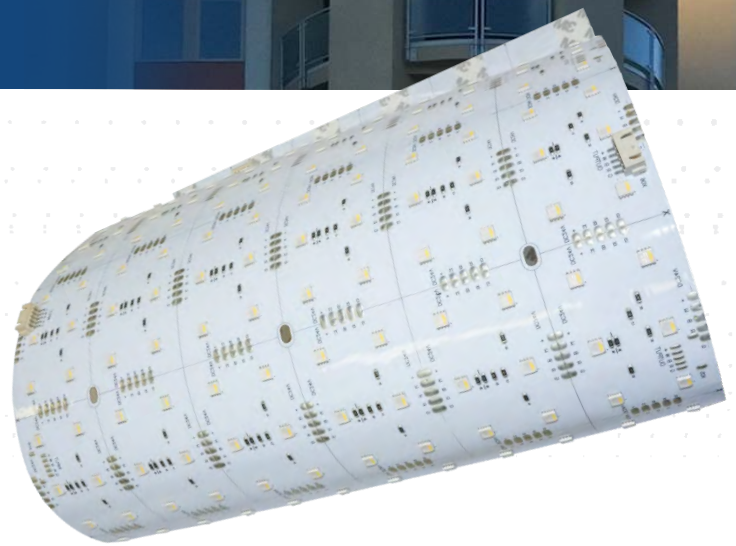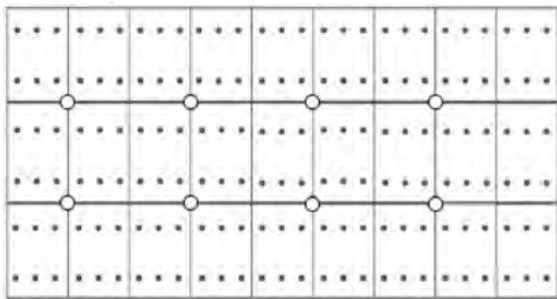# eos

LightPaper

RGBW OUTDOOR
LightPaper

- Thin, lightweight, flexible, cuttable light sheet
- Suited for shallow setback starting at 1/4"
- For walls, ceilings, curved structures and custom shapes
- RGBW (Red Green Blue for color shifting, plus dedicated white options)
- Multiple Lumen Packages and Wattages
- CRI: 80

The versatility of RGBW OUTDOOR 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

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 24" x 12" and seamlessly expandable via Molex® connectors up to 90W per driver - with a 10W buffer already included. Can be cut at the factory or in the field in 3"x2" sections.

SETBACK :

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:

80 CRI

POWER OPTION:

24VDC

DRIVER INPUT VOLTAGE :

120V-277V Universal AC Input

LUMENS & WATTAGE (See page 3):

7W - 300 lumens / sq ft - 14W per sheet
14W - 700 lumens / sq ft - 28W per sheet

DIMMABLE :

LightPaper is dimmable when matched with Dimmable Power Supplies. (TRIAC, DMX/DALI)

LEDs :

ANSI Binned LEDs from Tier 1 Suppliers LED CRT - RGBW

RGB+2700K, RGB+3000K, RGB+4000K, RGB+6000K

Due to the outdoor protection layer, the color temperature will visually appear to be 10%-15% higher.

WIRE GAUGE:

18 AWG Wire

WET LOCATION :

LightPaper is IP64 Rated when driven with a Class 2 Power Supply. Once sheet is cut in the field, the outdoor protection layer may be broken / compromised.

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.

Up to 14W, >700 Lumens per sq ft for Outdoor 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.
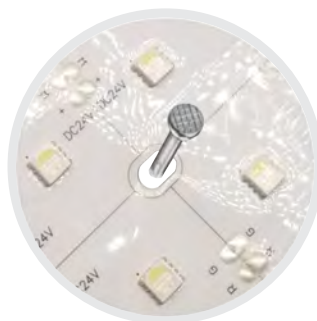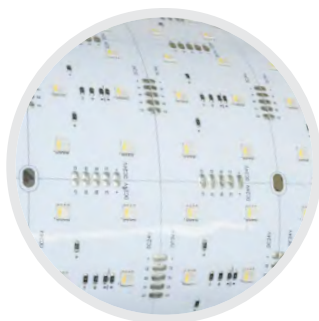
DIMMABLE

IP64

c UL us LISTED
LOW VOLTAGE LUMINAIRE
E480527

c UR us
E467626

CE

RoHS

DOWNLOAD INSTALLATION INSTRUCTIONS VIA YOUR SMARTPHONE'S CAMERA

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
MATERIAL	OUTDOOR	VOLTAGE	RIGIDITY	LED CHIP TYPE	LIGHTPAPER TYPE	ILLUMINATED AREA LENGTH X HEIGHT (MILLIMETERS)	COLOR TEMP	5-DIGIT PROJECT #	REVISION # Z
PPR	O	24V	S	5050	O288-RGBW300	G1xG2	RGBW4000	YYYYY	REVZ

A MATERIAL

PPR– LightPaper

B OUTDOOR

O – Outdoor

C VOLTAGE

24V– 24VDC (w/ UNV 120-277V Driver)

D RIGIDITY

S– Flexible

E LED CHIP TYPE

5050 – Chip Type

F LIGHTPAPER TYPE

O288-RGBW300 - 7W - 300
O288-RGBW700 - 14W - 700

G ILLUMINATED AREA

G1 – Length in millimeters
G2 – Height in millimeters

H COLOR TEMP

RGBW2700 - RGB + 2700
RGBW3000 - RGB + 3000
RGBW4000 - RGB + 4000
RGBW6000 - RGB + 6000

I PROJECT #

YYYYY – 5-Digit Project #

J REVISION #

REVZ - REVISION # Z

Code for above Column F	Full LightPaper name and reference lumens	Precise Lumens Per Sq Ft	Wattage per Sq Ft
0288-RGBW700	RGBW Outdoor Lightpaper700	700	14W
0288-RGBW300	RGBW Outdoor Lightpaper300	300	7W

Please fill out the form

A	B	C	D	E	F	G1 G2	H	I	J
MATERIAL	OUTDOOR	VOLTAGE	RIGIDITY	LED CHIP TYPE	LIGHT PAPER TYPE	ILLUMINATED AREA	COLOR TEMP	5-DIGIT PROJECT #	REVISION #Z
PPR	O	24V	S	5050	O288-RGBW300	G1xG2	RGBW4000	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: