



SOL SERIES

DYNAMIC CLOUD

With Sol Light Engine

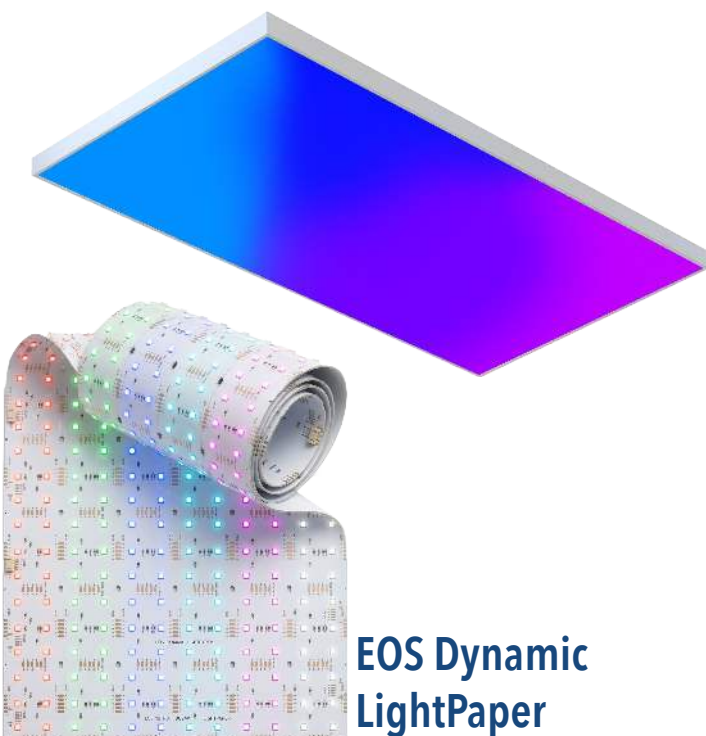
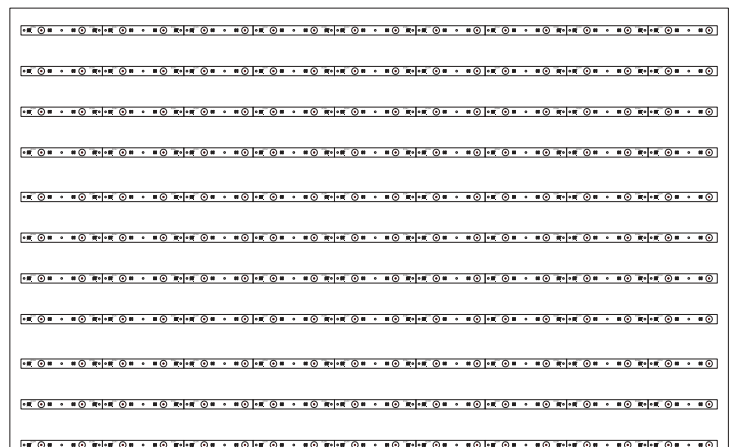
- The Dynamic Cloud with SOL Light Engine is a squared ceiling luminaire that merges EOS's SOL Light Engine backlighting technology with fully addressable RGBW control, delivering vivid, animated color effects with the durability of a rated indoor/outdoor fixture. Illumination is provided by EOS Dynamic LightPaper – a flexible, individually-addressable RGBW LED sheet – paired with the SOL Light Engine's 160° lens system, achieving even, edge-to-edge illumination – no hot spots, no shadows – while the Dynamic LightPaper's fully addressable LEDs allow for smooth color transitions, chasing effects, and animated lighting scenes across the entire panel surface.
- Built to perform where standard dynamic fixtures can't, the Dynamic Cloud with SOL Light Engine is rated for high-humidity environments and temperatures up to 50°C, making it equally at home in a casino ceiling, a hotel lobby feature wall, or a covered outdoor patio.



FEATURES

- Fully addressable RGBW LEDs (DMX Standard / SPI Optional) for dynamic color transitions, chasing effects, and animated lighting scenes.
- Illuminated by EOS Dynamic LightPaper – a flexible, fully addressable RGBW LED sheet – for smooth color mixing and High CRI 90+ rendering.
- Indoor Rated (IP20); Optional Outdoor/Damp Rated (IP65).
- Engineered for high-humidity environments and temperatures up to 50°C.
- Slim 3" profile for a clean, modern ceiling aesthetic.
- Custom sizing up to 48" x 120".

INTERNAL CONSTRUCTION WITH SOL LIGHT ENGINE



**EOS Dynamic
LightPaper**



GENERAL SPECIFICATIONS

LIGHT SOURCE

EOS Dynamic LightPaper – flexible, individually-addressable RGBW LED sheet (216 LEDs/sheet, 32W/sheet).

BACKLIT MODULE ENGINE

The Sol Light Engine is a Backlighting Module consisting of a 160° lens mounted directly on to each LED module for even illumination.

LED CONTROL

Individually-addressable RGBW LEDs – DMX (Standard) / SPI (Optional).

WATTAGE

9W / sq. ft. (standard power).

THICKNESS

3" depth.

MAX DIMENSIONS

48" x 120".

CRI

90+

POWER OPTIONS

24VDC Standard (12VDC Optional).

DRIVER INPUT VOLTAGE

100V to 480V.

DIMMABLE

Dimmable to <10% with compatible dimmable power supplies.

IP RATNG

IP20 (Indoor) / IP65 (Outdoor, Optional) –
Damp Location Rated when driven with a Class
2 power supply.

WIRE GAUGE

20GA (White Panels) / 24GA (Color Panels).

VOLTAGE

12VDC Optional (in place of 24VDC Standard).

MOUNTING

DYNAMIC CLOUD with SOL Light Engine come with standard keyhole surface mounts. Optional Z-clip or aircraft cable suspension mounts are also available.

LIFETIME

Over 50,000 hours = Nearly 12 years based on 12 hours a day usage.
Once installed, the Cloud System is virtually maintenance free.

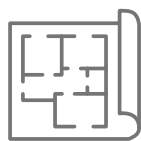
WARRANTY

5 years warranty according to the EOS Policy available [here](#).

APPLICATIONS



HOSPITALITY



COMMERCIAL INTERIOR



RESTAURANT



BARS



OUTDOOR



RETAIL



HEALTHCARE

OPTIONAL SPECIFICATIONS



COMPATIBLE POWER SUPPLIES

0-10V dimming | DMX/DALI
Electronic low voltage (ELV)
RF Dimmable Plug In
Inline Dimmable Plug-In



COLOR TEMPERATURES

Dynamic addressable RGBW;
also available with fixed color-
temperature zones (1800K-7500K),
Tunable White, RGB, RGBA, or UV
upon special request.

APPROVALS AND CERTIFICATIONS

The System is UL listed for Architectural applications and UL recognized for signage. All power supplies are UL / ETL listed.





SPECIFICATION FORM

NAME: _____ PROJECT NAME: _____ ADDRESS: _____

PHONE: _____ PROJECT LOCATION: _____ CITY: _____

EMAIL: _____ ANTICIPATED DELIVERY DATE: _____ ZIP CODE: _____

COMPANY NAME: _____ PROJECT SPECIFIER: _____ RUSH PROJECT: Yes ☐ No ☐

QTY	FIXTURE TYPE	VOLTAGE	DIMENSIONS TOP SIDES	FIXTURE LENS	COLOR TEMP	LED POWER	CORD LENGTH	CORD LOCATION	CORD COLOR	POWER SUPPLY
3	DYN-WC-BM	24V	48 50	OP	RGBW	SP	CC9	TL	BC	ELV

A

B

C

D

E

F

G

H

I

J

A: FIXTURE TYPE

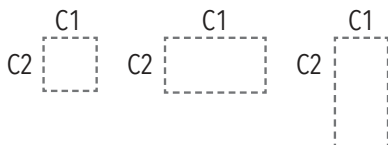
DYN-IC-BM - DYNAMIC CLOUD Indoor with SOL Light Engine (Standard)
DYN-WC-BM - DYNAMIC CLOUD Outdoor with SOL Light Engine (Optional)

B: VOLTAGE

24V - 24V (Standard)
12V - 12V (Optional)

C: DIMENSIONS

(Generated by Client)
C1 - Top Dimension
C2 - Side Dimension



D: FIXTURE LENS

OP - Opal (Standard)
CL - Clear (Optional)
*2mm polycarbonate lens

E: COLOR TEMPERATURE

RGBW - RGBW

F: LED POWER

SP - Standard Power (9W/sqFt)

G: POWER CORD LENGTH

SC - Standard - 9.8 ft.
CC - Custom Length _____ ft

H: POWER CORD EXIT

TL - Top Left Corner
TR - Top Right Corner
STL - Side Top Left Corner
STR - Side Top Right Corner
BL - Bottom Left Corner
BR - Bottom Right Corner
SBL - Side Bottom Left Corner
SBR - Side Bottom Right Corner

I: POWER CORD COLOR

BC - Black
WT - White

J: POWER SUPPLY INFO

010V - 010V Dimmable Hardwire
ELV - Electronic Low Voltage Dimmable Hardwire
DMX - DMX /DALI
PI - Plug In, DC Jack
DPI - Dimmable Plug in w/ remote
HW - Non-Dimmable Hardwired



NAME	DYN-PPR-24-24x12-SP-DYN
NOMINAL POWER(W)	24.4
RATED VOLTAGE(V)	24
NOMINAL FLUX(lm)	1100
SIZE	24" x 12"
COLOR	Dynamic Color Changing

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

Dynamic LightPaper, 24" x 12",
24V, Standard Power, Dynamic

