



eos
SOL LIGHT
ENGINE

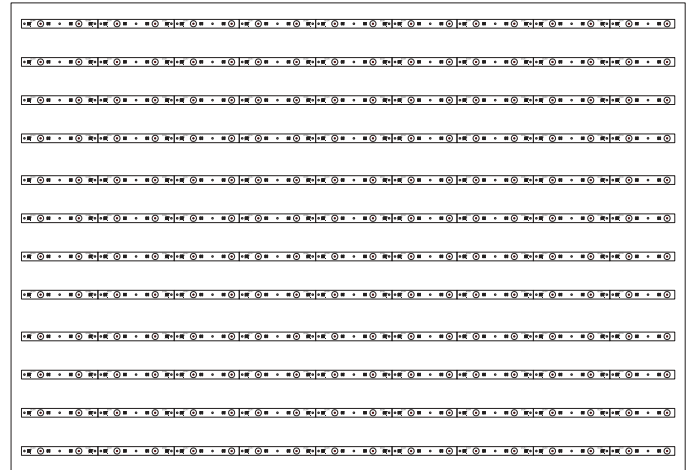
The Technology Behind EOS
Backlit Illumination



WHAT IS THE SOL LIGHT ENGINE?

- The SOL Light Engine is the backlighting technology used at some EOS LightPanels. Each LED module is paired with a 160° lens, delivering smooth, even illumination across the entire surface – no hot spots, no shadows, just clean, consistent light.
- What really sets it apart is its resilience. The SOL Light Engine is engineered to perform in conditions that challenge standard LED systems: high-humidity environments, damp or outdoor locations, and temperatures up to 50°C. That means one platform can move confidently from a hotel lobby to a covered patio without missing a beat.

INTERNAL CONSTRUCTION WITH SOL LIGHT ENGINE



KEY BENEFITS

- Even, edge-to-edge illumination with no visible hot spots
- Rated for indoor and outdoor use (IP20 indoor / IP65 outdoor)
- Built to perform in high-humidity environments
- Rated for high-heat environments, up to 50°C
- Slim 3" profile for a clean, modern look
- Flexible installation: surface-mounted, recessed, or suspended with aircraft cable
- Virtually maintenance-free once installed
- Long-lasting: 50,000+ hour lifespan, nearly 12 years at 12 hours of daily use



APPLICATIONS



HOSPITALITY



COMMERCIAL INTERIOR



RESTAURANT



BARS



OUTDOOR



RETAIL



HEALTHCARE

TECHNICAL SPECIFICATIONS

Wattage	9W / sq. ft. (standard power)
Luminous Output	350 lumens / sq. ft.
Driver Input Voltage	100V to 480V
Standard Output Voltage	24VDC (12VDC optional)
Dimming	Dimmable to <10% with compatible dimmable power supplies
Lifetime	50,000+ hours (~12 years at 12 hrs/day)
Thickness	3" depth
Max Panel Dimensions	48" x 120"
Wire Gauge	20GA (white panels) / 24GA (color panels)
IP Rating	IP20 (indoor) / IP65 (outdoor, optional)
Mounting Options	Keyhole surface mount (standard); Z-clip or aircraft cable suspension (optional)
Warranty	5 years, per EOS warranty policy

COLOR TEMPERATURES

The Sol Light Engine adapts to any space and any concept, offering one of the widest color ranges in the category – from warm ambers to crisp daylight, plus tunable and dynamic color options.

Fixed Color Temperatures

- 1800K
- 2400K
- 2700K
- 3000K
- 3500K
- 4000K
- 5000K
- 6000K
- 6500K
- 7500K

Dynamic & Specialty Options

- Tunable White (18w per sq/ft)
- RGB
- RGBW
- RGBA
- UV (Ultraviolet)

COMPATIBLE POWER SUPPLIES

0-10V dimming | DMX/DALI
Electronic low voltage (ELV)
Universal
5-1 Driver

CERTIFICATIONS & QUALITY

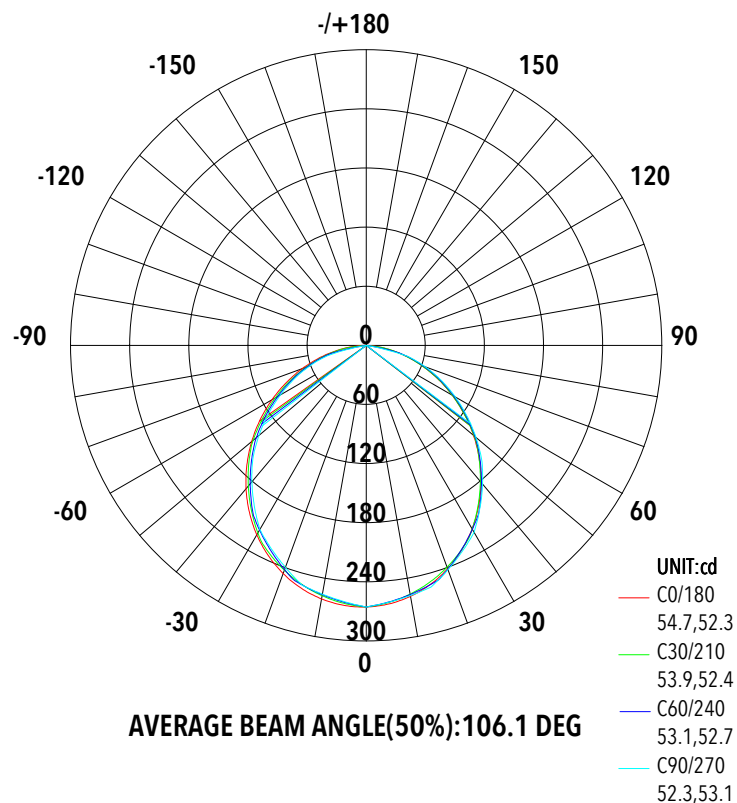
Every Sol Light Engine system is built to meet rigorous safety and performance standards, giving specifiers and clients complete confidence in the fixture.



NAME	IC-BM-24V-19.685x19.685-4SL-4000-SP
NOMINAL POWER(W)	50.011
RATED VOLTAGE(V)	24
NOMINAL FLUX(lm)	644.692
SIZE	19.685" x 19.685"
COLOR	4000K

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

Cloud with SOL Light Engine, 19.685" x 19.685",
24 V, Standard Power, 4000K





PHOTOMETRY

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LUMINOUS DISTRIBUTION INTENSITY DATA

C (DEG) Y (DEG)	0	45	90	135	180	225	270	315
0	1967	1967	1967	1967	1967	1967	1967	1967
5	1964	1956	1954	1956	1964	1939	1930	1939
10	1956	1943	1941	1943	1956	1909	1892	1908
15	1941	1926	1928	1927	1941	1875	1854	1874
20	1917	1907	1863	1908	1913	1839	1770	1837
25	1879	1847	1798	1851	1869	1765	1685	1765
30	1823	1774	1733	1780	1809	1677	1600	1679
35	1731	1695	1621	1702	1732	1583	1477	1586
40	1611	1604	1509	1610	1625	1478	1354	1472
45	1467	1463	1397	1472	1491	1343	1231	1320
50	1307	1312	1251	1327	1338	1199	1082	1165
55	1136	1157	1105	1180	1170	1049	934	1009
60	954	981	959	1008	994	881	785	838
65	770	809	797	839	815	714	631	670
70	586	635	635	669	635	549	477	504
75	407	459	473	498	461	386	324	341
80	233	249	0	283	290	198	0	162
85	74	0	0	0	130	0	0	0
90	0.77	0	0	0	0.89	0	0	0



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SOL LIGHT ENGINE