

EDGE LIT LED 2X4 FLAT PANEL



A high performance LED flat panel designed to lay in to drop ceilings; typically used to replace 2'x 2' and 2'x 4' fluorescent fixtures. Suitable for office, school, hospital and medical facility applications. Panels are fully dimmable, and are compatible with building controls, motion sensors, timers, and daylight harvesting systems.

The design of the panels produces an even, consistent shadowless light. The LEDs mean long life, high lumen maintenance, high CRI, and low maintenance, with no hazardous materials.

PROJECT NAME
CATALOG NUMBER
NOTES
FIXTURE TYPE

For non-standard/architectural T-bar ceiling systems (i.e., "Donn Finline"), please CONSULT FACTORY

FEATURES:

- Lumens: 3500K: 5200/ 5000K: 6000 Lumens
- 90 Watts
- 3500K or 5000K
- 50,000 Hour Life (L70)
- 17.6 Lbs
- Fluid dimming from 4 types of input signal
- 0-10; Simple Dimming; IR Remote; DMX 512
- 5 Year Warranty
- 85 CRI
- Optional remote power supply as required
- MRI models available
- Surface mount and suspension kits available
- Also available in 1X4 and 2X2



ACCESSORIES:

MODEL NUMBER:	SHORT DESCRIPTION
MLCHKFP24	Cable hung kit
MLSMKFP24	Surface mount kit
MLDFBE	Donn Finline spacer bracket

Luminaire Ordering Information:

Typical Order Example: MLFP24E9035

CLASS	SIZE	OPTICS	WATTAGE	COLOR	FINISH	OPTIONS	VERSION
MLFP= Square shaped flat panel	24= 2'X4'	E= Edge Lit	90 = 90 Watt	35 = 3500K 50 = 5000K	= Aluminum WH= White	= No options MR= MRI RD= Remote Driver EM= Emergency Backup	= 1st Gen

MAX11206-06-22

Option Descriptions:

Remote Driver: Allowing for an installation depth of just 2 inches, **MRI Compatible:** Constructed of Non-ferrous material, **Emergency Battery Backup:** 90 min. @ 30% output

Lighting layouts and spacing criteria available upon request

Installation Instructions, LM-79 Testing, IES Files available online:

MaxLite™: 1-800-555-5629 | Fax: 973-244-7333 | Web: www.maxlite.com | E-mail: info@maxlite.com

CONTROL:

- Standard integrated driver. Remote driver available for MRI Imaging models.
- Up to 10 panels can be linked to each master panel

CONSTRUCTION:

- The housing and back panel are aluminum providing heat sink and thermal control capabilities
- Lens is translucent white polycarbonate
- Profile including the control box is 1.8 inches
- Unique mounting gives flush-fit in drop ceiling
- Modular construction for easy replacement



EDGE LIT LED 2X4 FLAT PANEL



SPECIFICATIONS:

Item	Specification	Details	
General Performance	Spacing Criteria	Available upon request	
	Color Temperature	3500K	5000K
	Lumens	5200	6000
	Efficacy	58 lumen/watt	67 lumen/watt
	Color Consistency	Proprietary binning for uniform color	
	Lumen Maintenance (L70)	50,000 hours	
Electrical	Power Factor	Over 98%	
	Input Voltage	120V-277V 50/60 Hz	
	Power Consumption	90 Watts	
Control	Dimming	0-10V, IR Dimming, Simple Dimming, DMX512	
	Linking Lengths/Qty	15' x 10 Panels	
Physical	Dimensions	23.63" x 47.25" x 1.80"	
	Weight	17.6 Lbs	
	Housing	Aluminum	
	Optics	Light Refraction/Acrylic Diffusion	
	Mounting	Fits standard grid for drop ceilings	
	Operating Temperature	-20°F to 130°F	
	Humidity	20% - 85% RH, non condensing	
Certification	Certification	ETL, cETL	
	Material Usage	RoHS compliant; no mercury	
	Environment	Indoor Use	
	LED Class	L70 rated to 50,000 hours	

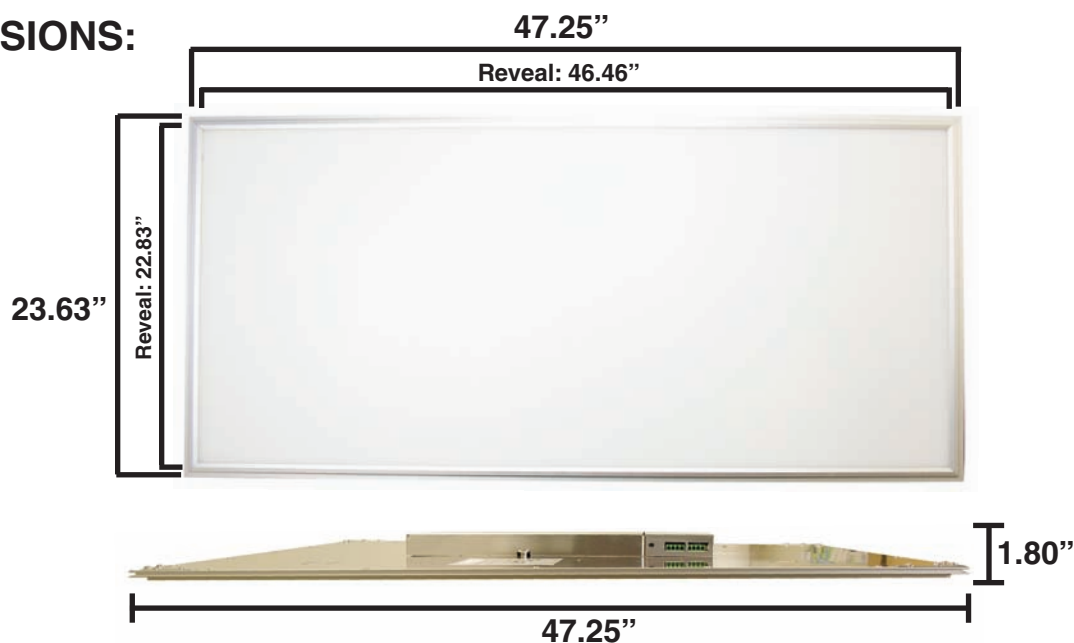
MASTER / REMOTE: Each panel has a Master/Satellite switch on the back. During mounting, one fixture in the room should be switched to Master, and the others in the room should be switched to Satellite. With supplied regular RJ25 cord (telephone cords with telephone jacks) each fixture is joined to the next.

ROOM CONTROL: When all the units are joined, one remote control aimed at the Master Unit will control all the other units in the room, up to a maximum of 10 units. With one click, all the units can be turned on, dimmed and turned off. The Master Unit controls the whole room, up to 10 fixtures.

BUILDING CONTROL: Multiple panels can also be controlled from a single source. The panels can be linked to a DMX512 controller. For information and specifications on either linking more than 10 panels, or on Green Building DMX controls please contact MaxLite.

Lighting layouts and spacing criteria available upon request

DIMENSIONS:



Installation Instructions, LM-79 Testing, IES Files available online:

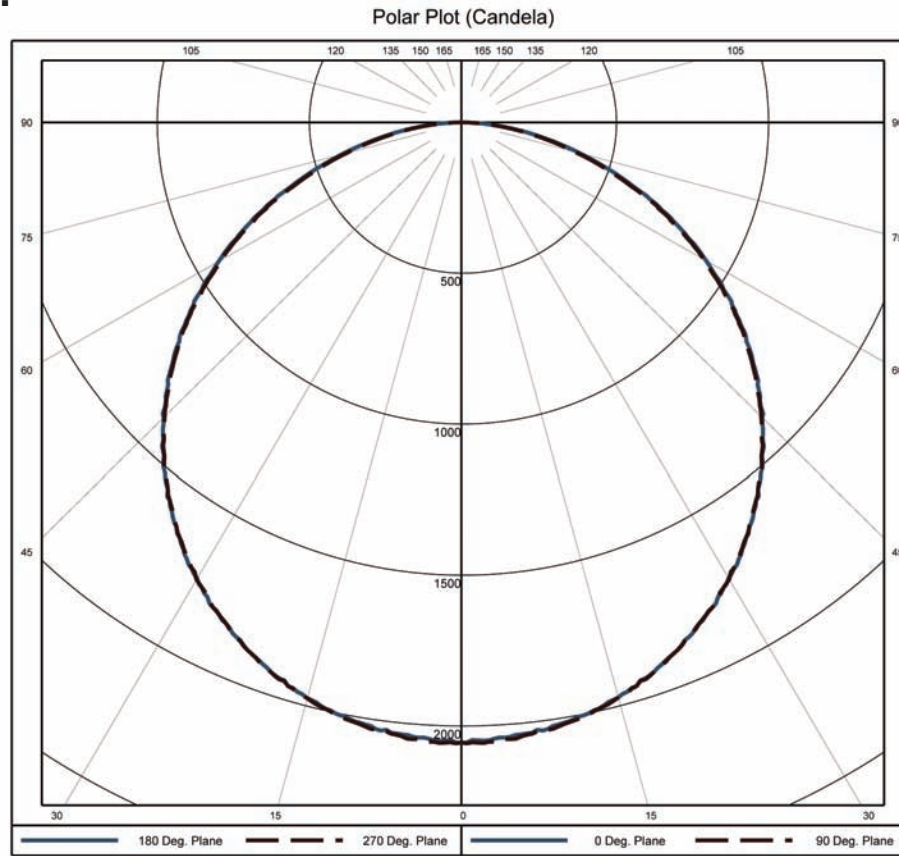
MaxLite™: 1-800-555-5629 | Fax: 973-244-7333 | Web: www.maxlite.com | E-mail: info@maxlite.com



EDGE LIT LED 2X4 FLAT PANEL



PHOTOMETRICS:



Average Luminance Table (cd/m²)
Horizontal Angle (Degrees)

Vertical Angle (Degree)	Horizontal Angle (Degrees)		
	0	45	90
0	3229	3229	3229
45	3080	3076	3069
55	2982	2974	2965
65	2809	2780	2768
75	2461	2412	2363
85	2025	1892	1892

Utilization of Lumens - Zonal Cavity Method
Effective Floor Cavity Reflectance 20%

Ceiling Cavity Reflectance	90				80				70			
	70	50	30	10	70	50	30	10	70	50	30	10
Wall Reflectance	** Values are expressed as Lumens delivered to the task surface **											
Room Cavity Ratio (RCR)	** Values are expressed as Lumens delivered to the task surface **											
0	7250	7250	7250	7250	7077	7077	7077	7077	6913	6913	6913	6913
1	6627	6308	6025	5771	6455	6167	5908	5675	6292	6031	5796	5582
2	6030	5484	5037	4665	5863	5366	4954	4608	5705	5253	4874	4553
3	5497	4803	4274	3857	5339	4704	4213	3821	5190	4610	4154	3786
4	5031	4245	3680	3254	4884	4163	3634	3231	4746	4083	3589	3208
5	4623	3785	3211	2793	4489	3716	3175	2777	4362	3648	3141	2761
6	4265	3402	2833	2431	4143	3342	2805	2420	4028	3286	2778	2409
7	3950	3079	2525	2142	3840	3028	2503	2134	3736	2980	2480	2126
8	3673	2805	2270	1908	3573	2762	2252	1901	3479	2720	2234	1895
9	3427	2571	2057	1714	3337	2534	2041	1709	3252	2498	2027	1704
10	3210	2369	1876	1552	3128	2337	1863	1548	3051	2306	1851	1544

Ceiling Cavity Reflectance	50				30				10				0	
	70	50	30	10	50	30	10	50	30	10	50	30	10	0
Wall Reflectance	** Values are expressed as Lumens delivered to the task surface **													
Room Cavity Ratio (RCR)	** Values are expressed as Lumens delivered to the task surface **													
0	6605	6605	6605	6605	6324	6324	6324	6066	6066	6066	6066	5945		
1	5990	5778	5583	5405	5545	5386	5239	5330	5202	5083	4958			
2	5414	5041	4722	4446	4845	4578	4344	4664	4443	4247	4116			
3	4916	4431	4040	3718	4266	3933	3653	4113	3831	3590	3458			
4	4493	3933	3503	3163	3793	3421	3119	3663	3342	3076	2945			
5	4130	3521	3073	2730	3403	3009	2699	3292	2947	2670	2542			
6	3817	3177	2724	2386	3076	2673	2365	2982	2624	2343	2220			
7	3544	2887	2437	2110	2801	2396	2094	2720	2356	2078	1959			
8	3306	2641	2198	1883	2566	2164	1871	2496	2132	1859	1744			
9	3095	2429	1997	1695	2365	1969	1686	2304	1942	1676	1567			
10	2909	2246	1827	1537	2190	1803	1530	2137	1780	1523	1418			

Lighting layouts and spacing criteria available upon request

Installation Instructions, LM-79 Testing, IES Files available online:

MaxLite™: 1-800-555-5629 | Fax: 973-244-7333 | Web: www.maxlite.com | E-mail: info@maxlite.com

