

EDGE LIT LED 2X2 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: 3150/ 5000K: 3380 Lumens
- 60 Watts
- 3500K or 5000K
- 50,000 Hour Life (L70)
- 9.8 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
- LM79 Test data available
- Also available in 1X4 and 2X4



ACCESSORIES:

MODEL NUMBER:	SHORT DESCRIPTION
MLCHKFP22	Cable hung kit
MLSMKFP22	Surface mount kit
MLSMKFP22W	Surface mount kit white finish
MLDFBE	Donn Finline spacer bracket

Luminaire Ordering Information:

Typical Order Example: MLFP22E6035

CLASS	SIZE	OPTICS	WATTAGE	COLOR	FINISH	OPTIONS	VERSION
MLFP= Square shaped flat panel	22= 2'X2'	E= Edge Lit	60 = 60 Watt	35 = 3500K 50 = 5000K	= Aluminum WH= White	= No options MR= MRI RD= Remote Driver EM= Emergency Backup	= 1st Gen

MAX11205-06-22

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 1.6 inches
- Unique mounting gives flush-fit in drop ceiling
- Modular construction for easy replacement



EDGE LIT LED 2X2 FLAT PANEL



SPECIFICATIONS:

Item	Specification	Details	
General Performance	Spacing Criteria	Available upon request	
	Color Temperature	3500K	5000K
	Lumens	3150	3380
	Efficacy	52 lumen/watt	56 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	60 Watts	
Control	Dimming	0-10V, IR Dimming, Simple Dimming, DMX512	
	Linking Lengths/Qty	15' x 10 Panels	
Physical	Dimensions	23.63" x 23.63" x 1.60"	
	Weight	9.8 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	

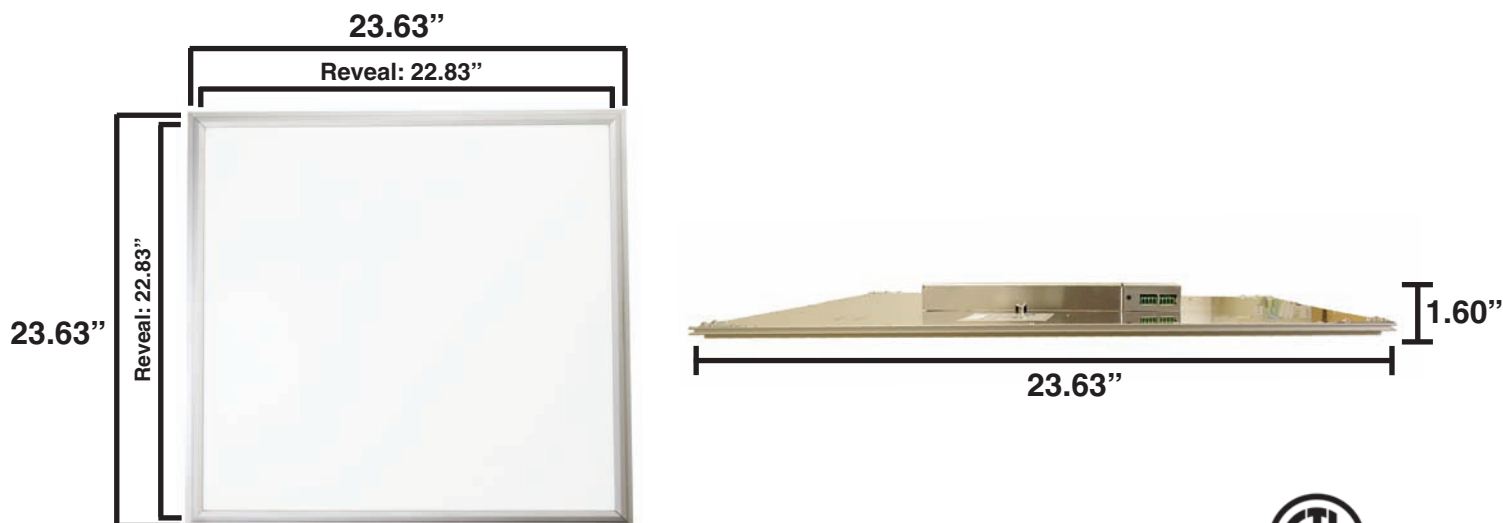
MASTER / REMOTE: Each panel has a Master/Satellite switch on the back. During mounting, one fixture in the room should be switched to Master, and the others in the room should be switched to Satellite. With supplied regular RJ25 cord (telephone cords with telephone jacks) each fixture is joined to the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

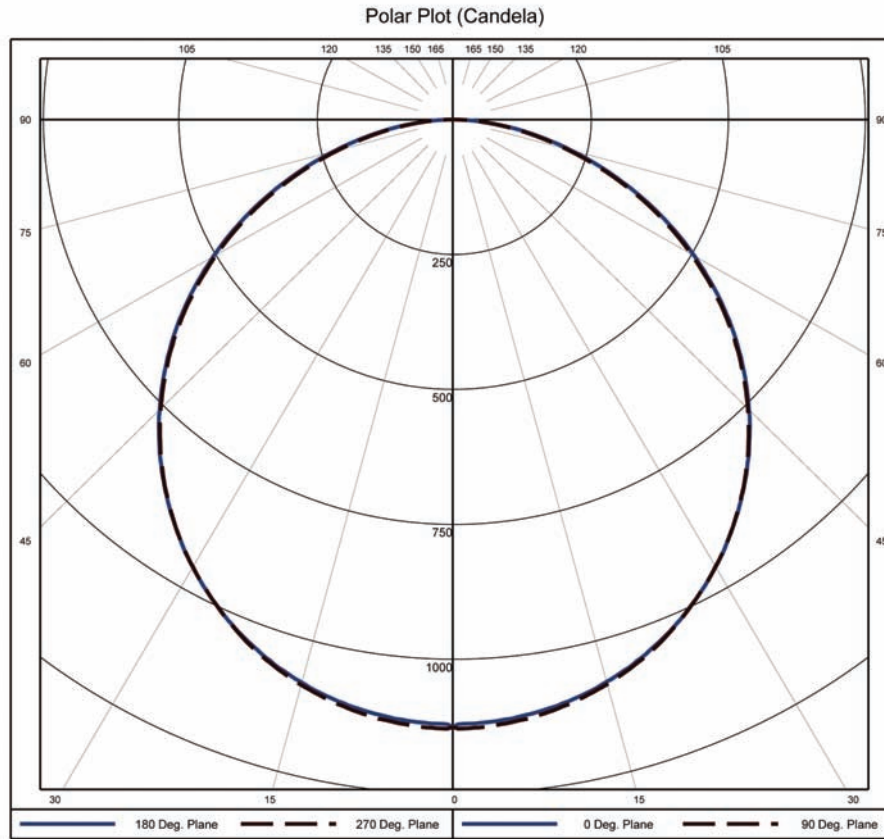
MaxLite™: 1-800-555-5629 | Fax: 973-244-7333 | Web: www.maxlite.com | E-mail: info@maxlite.com



EDGE LIT LED 2X2 FLAT PANEL



PHOTOMETRICS:



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

Vertical Angle (Degree)	Horizontal Angle (Degrees)		
	0	45	90
0	3845	3845	3845
45	3676	3675	3665
55	3566	3547	3533
65	3351	3319	3297
75	2966	2908	2855
85	2424	2228	2228

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	3978	3978	3978	3978	3883	3883	3883	3883	3793	3793	3793	3793
1	3636	3461	3305	3166	3541	3383	3241	3113	3452	3309	3179	3062
2	3308	3008	2762	2558	3216	2943	2717	2527	3130	2881	2673	2496
3	3015	2634	2343	2114	2928	2580	2310	2095	2847	2528	2277	2076
4	2759	2328	2018	1784	2679	2282	1992	1771	2603	2239	1968	1758
5	2535	2075	1760	1530	2462	2037	1741	1522	2392	2000	1721	1513
6	2339	1865	1553	1332	2272	1833	1538	1326	2209	1801	1522	1320
7	2166	1688	1384	1174	2106	1660	1372	1169	2048	1634	1359	1165
8	2014	1538	1244	1045	1959	1514	1234	1042	1908	1491	1224	1038
9	1879	1409	1127	939	1830	1389	1119	936	1783	1369	1111	934
10	1760	1299	1028	850	1715	1281	1021	848	1673	1264	1014	846

Ceiling Cavity Reflectance	50				30				10				0
	70	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	3624	3624	3624	3624	3470	3470	3470	3328	3328	3328	3262		
1	3286	3169	3063	2965	3042	2955	2874	2924	2854	2788	2719		
2	2970	2764	2589	2438	2657	2511	2382	2558	2437	2329	2257		
3	2696	2430	2215	2038	2339	2156	2002	2255	2100	1968	1895		
4	2464	2156	1920	1733	2080	1875	1709	2008	1832	1686	1614		
5	2265	1931	1685	1496	1866	1649	1479	1805	1615	1463	1393		
6	2093	1742	1493	1308	1687	1465	1296	1635	1438	1284	1216		
7	1943	1583	1336	1156	1535	1313	1147	1491	1291	1138	1073		
8	1813	1448	1205	1032	1407	1186	1025	1368	1168	1018	956		
9	1697	1332	1095	929	1296	1079	923	1263	1064	918	858		
10	1595	1231	1001	842	1200	988	838	1171	975	834	777		

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

