FLATMAX EDGE LIT LED 2X2 PANEL

maxLED by MAXLITE

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 Fineline"), please CONSULT FACTORY

FEATURES:

- Lumens: 3500K: 3780/ 5000K: 4060* Lumens
- 45 Watts
- 3500K or 5000K
- 50,000 Hour Life (L70)
- 7.6 Lbs
- 0-1-10V dimming; IR Remote dimming option
- 5 Year Warranty
- CRI >80
- Optional remote power supply as required
- Surface mount and suspension kits available
- LM79 Test data ailable
- Also available in 1X4 and 2X4
- MRI compliant option available, contact MaxLite for information

CONTROL:

- Standard discrete driver on back
- Up to 20 panels can be linked from a master panel (IR) or Wall Dimmer for control
- Panels can be linked in series at 1.0-1.3A Surge each, in qty up to service limit for power

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

Accesories:

Model Number	Short Description
MLCHKSQ	Cable hung kit
MLSMKFP22E	Surface mount kit

Luminaire Ordering Information:

Typical Order Example: MLFP22E4535

CLASS	SIZE	OPTICS	WATTAGE	COLOR	FINISH	OPTIONS	VERSION
MLFP= Square shaped flat panel	22= 2'X2'	**E**= Edge Lit	**45** = 45 Watt	**35** = 3500K **50** = 5000K	Blank= White Standard	= No options **RD** = Remote Driver **EM** = Emergency Backup **MR** = MI Compliant	= 1st Gen

MAX12156

Option Descriptions:

Remote Driver: Allowing for an installation depth of just 2 inches,

Emergency Battery Backup: 90 min. @ 30% output

***Preliminary Data at time of printing, contact Factory for Final LM-79 Report**
Installation Instructions, LM-79 Testing, IES Files available online:

DESIGNLIGHTS CONSORTIUM

ETL LISTED c US FC

MAXLITE

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

Revised: 10-26-12

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SPECIFICATIONS:

Item	Specification	Details	
General Performance	Spacing Criteria	Available upon request	
	Color Temperature	3500K	5000K
	Lumens	3780	4060*
	Efficacy	81LM/W	90LM/W*
	Color Consistency	Proprietary binning for uniform color	
	Lumen Maintenance (L70)	50,000 hours	
Electrical	Power Factor	Over 96%	
	Input Voltage	120V-277V 50/60 Hz	
	Power Consumption	45 Watts	
Control	Dimming	0-1-10V Dimming: IR Remote Dimming Option	
	Linking Lengths/Qty	15' x 10 Panels	
Physical	DImensions	23.8" x 23.8" x 2"	
	Weight	7.6 Lbs	
	Housing	Aluminum	
	Optics	Light Refraction/Acrylc 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 can be wired as a Master or Satellite unit. During mounting, one fixture in the room should be wired as Master, and the others in the room should be wired as "Satellites". Dimming connections can be made with two conductor "20 Ga. Bell Wire".

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 20 units. With one click, all the units can be turned on, dimmed and turned off. The Master Unit controls the whole room, up to 20 fixtures.

BUILDING CONTROL: Multiple panels can also be controlled from a single source. For information and specifications on either linking more than 20 panels or on integrating with a central building control system, please contact MaxLite.

Lighting layouts and spacing criteria available upon request

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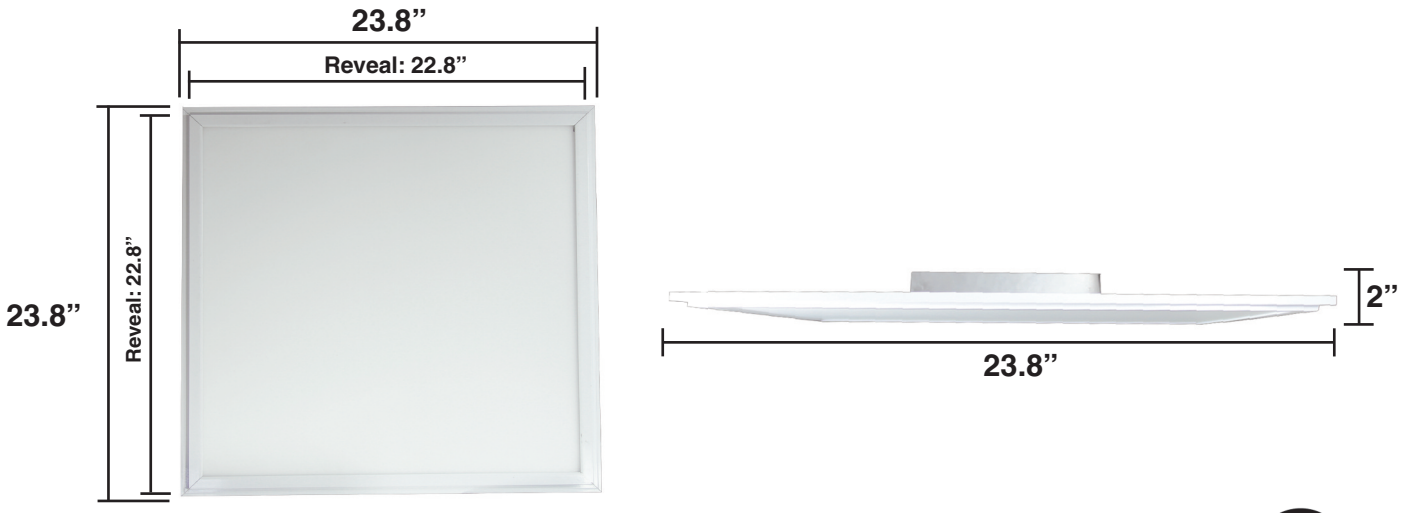
DIMENSIONS:



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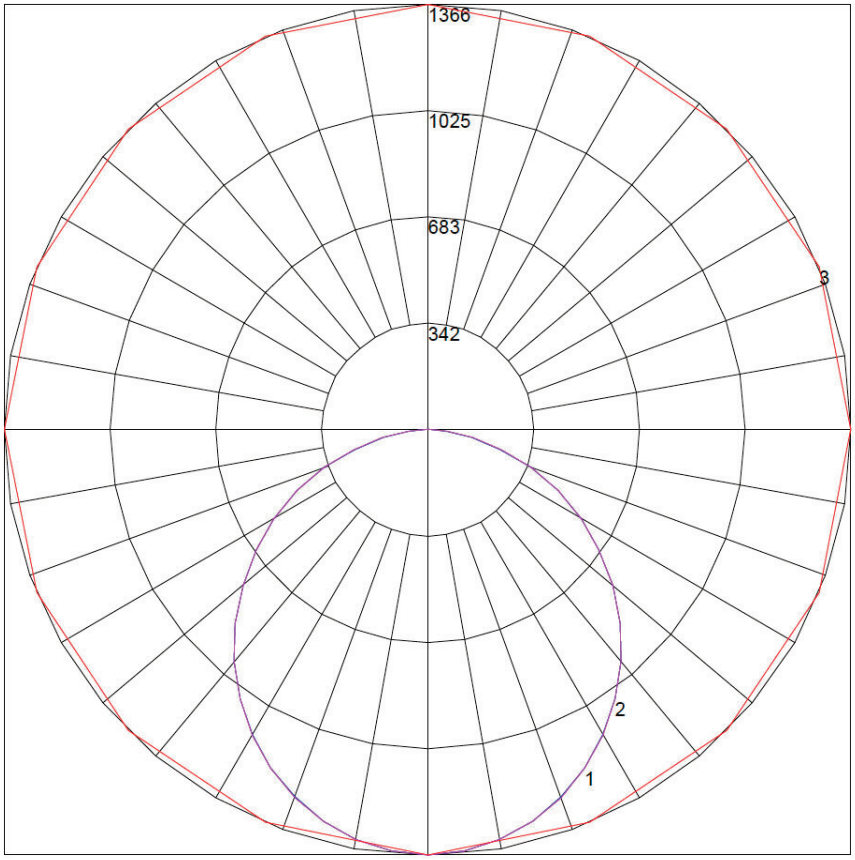
PHOTOMETRICS:



Maximum Candela = 1366 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.): BLUE
2 - Vertical Plane Through Horizontal Angles (90 - 270): MAGENTA
3 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.): RED

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	4262	4248	4262
55	4040	4028	4040
65	3777	3777	3785
75	3223	3249	3276
85	2402	2442	2442

COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	104	100	96	106	102	98	94	97	94	91	93	91	88	90	88	86	84
2	99	91	84	78	96	89	82	77	85	80	75	82	77	74	79	75	72	70
3	90	80	71	65	88	78	70	64	75	68	63	72	67	62	70	65	61	59
4	83	70	62	55	80	69	61	55	67	59	54	64	58	53	62	57	52	50
5	76	63	54	47	74	62	53	47	60	52	47	58	51	46	56	50	45	43
6	70	57	48	41	68	56	47	41	54	46	41	52	46	40	51	45	40	38
7	65	51	43	36	63	51	42	36	49	42	36	48	41	36	46	40	36	34
8	60	47	38	33	59	46	38	32	45	38	32	44	37	32	42	36	32	30
9	57	43	35	29	55	42	35	29	41	34	29	40	34	29	39	33	29	27
10	53	40	32	27	52	39	32	27	38	31	26	37	31	26	36	30	26	24

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