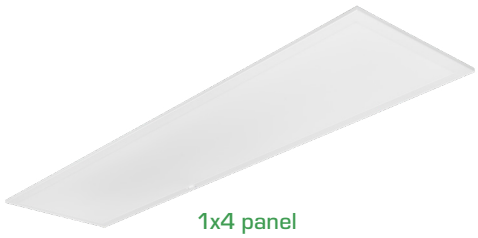
PROJECT NAME:_____ CAT. #: _____

NOTES:_____ FIXTURE SCHEDULE:_____

FlatMax Gen 6 – Controls Ready Flat Panel *MLFP Enhanced Series*



1x4 panel



2x2 panel



2x4 panel







Product Description

MaxLite's 6th Generation FlatMax LED Flat Panels deliver high performance, flexibility, and long-term reliability in a single solution. Designed as a direct replacement for 1'x4', 2'x2', and 2'x4' fluorescent fixtures, they are ideal for offices, schools, and healthcare applications. With five selectable color temperatures and four wattages, the MLFP Enhanced Series provides 20 configurations in one SKU, reducing inventory while maximizing on-site adaptability. Offering efficacy up to 150 LPW and DLC Premium qualifications, these panels drive energy savings opportunity. Controls-ready with a plug-and-play USB port for c-Max integration; they support advanced lighting systems. Backed by a 10-year warranty and L70 >100,000 hours, they ensure low maintenance and long-lasting performance.

Features

- Available in 1x4, 2x2, and 2x4 sizes
- Five selectable CCTs and four selectable wattages
- Controls-ready with plug-and-play USB port for c-Max integration
- Standard 0–10V Dimming with Dim-to-Off Capability
- High efficacy performance up to 150 LPW, DLC Premium qualified
- Long life with L70 >100,000 hours and 10-year warranty
- Taller J-Box accessory included with the fixture for easier wiring
- Optional factory-installed emergency battery backup
- Universal voltage 120–277V
- Power factor >0.9 and THD ≤20%
- Operating temperature: -4°F to 122°F
- UL, FCC, and RoHS certified

Controls Ready

MaxLite's new Controls Ready (CR) fixtures allows for quick and easy in-field installation (plug and play) of controls. Simply purchase any CR fixture and the required Controls Node and you're all set! See the accessory table for all controls options available for this fixture.

Controls Features

- Multifunction and Energy Monitoring
- Daylight Sensor
- Occupancy Sensor
- Integral Sensor Receptacle
- High-End Trim
- Bluetooth
- Luminaire Level Lighting Control (LLLC)

Order Structure

FAMILY	SIZE	PANEL TYPE	WATTAGE SELECTABLE [1]	CCT SELECTABLE [1]	CONTROLS READY	CORDS & WHIPS	BBU OPTIONS [2,3]	PACKAGING	SOURCING STRATEGY
MLFP= Flat Panel	**14=** 1'x4'	**G6=** Backlit Panel	**16W=** 16W/19W/ 26W/32W	**CS=** CCT Selectable: 3000K/3500K/ 4000K/ 5000K/ 6500K	**CR=** Controls Ready	**BLANK=** No Cord/Whip	**BLANK=** None	**BLANK=** Single Pack	**BLANK=** Non-TAA Country
	22= 2'x2'		**16W=** 16W/19W/ 26W/32W			**CW=** 3-Wire White Cord [4]	**EM=** Factory Installed Battery Back Up	**/2P=** 2 Pack	**TA=** TAA Country
	24= 2'x4'		**20W=** 20W/26W/ 33W/41W			**CW=** 4-Wire White Cord [4,5]	**E2=** Made-To-Order, Factory Installed Battery Back Up		
						W5-6= 5-Wire Metal Whip (6ft length)			
						W6-6= 6-Wire Metal Whip (6ft length) [5]			

NOTES:

1. Default setting for WCS models is set to lowest wattage and 4000K. Default setting for CS models is set to 4000K.
2. Battery back up models are available only in Single Pack configuration. On EM mode, the fixture CCT will be set to ~6800K.
3. Check the Specification Table for lumen output for EM and E2 suffix.
4. Specify length of White Cord (CW) on PO.
5. 4-Wire Cord/6-Wire Whip are compatible with (EM) and (E2) Battery Backup options.

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MaxLite

CMax CONTROLS COMPATIBLE

FlatMax Gen 6 – Controls Ready Flat Panel *MLFP Enhanced Series*

TAA Stocked items

ORDER CODE	MODEL NUMBER	DLC PRODUCT ID#	DLC PRIMARY USE DESIGNATION	DLC CLASSIFICATION
114081	MLFP14G616WCSCRTA	S-KTCKJ3	1x4 Luminaires for Ambient Lighting of Interior Commercial Spaces	DLC Premium
114083	MLFP14G616WCSCR/2PTA	S-KTCKJ3	1x4 Luminaires for Ambient Lighting of Interior Commercial Spaces	
114084	MLFP14G616WCSCREMTA	S-KTCKJ3	1x4 Luminaires for Ambient Lighting of Interior Commercial Spaces	
114086	MLFP22G616WCSCRTA	S-VJ9PJ9	2x2 Luminaires for Ambient Lighting of Interior Commercial Spaces	
114087	MLFP22G616WCSCR/2PTA	S-VJ9PJ9	2x2 Luminaires for Ambient Lighting of Interior Commercial Spaces	
114088	MLFP22G616WCSCREMTA	S-VJ9PJ9	2x2 Luminaires for Ambient Lighting of Interior Commercial Spaces	
114090	MLFP24G620WCSCRTA	S-LQNLQ3	2x4 Luminaires for Ambient Lighting of Interior Commercial Spaces	
114091	MLFP24G620WCSCR/2PTA	S-LQNLQ3	2x4 Luminaires for Ambient Lighting of Interior Commercial Spaces	
114092	MLFP24G620WCSCREMTA	S-LQNLQ3	2x4 Luminaires for Ambient Lighting of Interior Commercial Spaces	

Accessories (Sold Separately)

ORDER CODE	MODEL NUMBER	DESCRIPTION	IMAGE
104817	ML14G4FK	GEN 4 1X4 FLAT PANEL FLANGE KIT	
104819	ML22G4FK	GEN 4 2X2 FLAT PANEL FLANGE KIT	
104820	ML24G4FK	GEN 4 2X4 FLAT PANEL FLANGE KIT	
104883	MLVT14SMK	ARCMAX 1X4 TROFFER SURFACE MOUNT KIT (48" L X 12" W X, 2.6" H) – NOT RECOMMENDED FOR USE WITH TALLER J-BOX –	
104813	ML22G4SMK	GEN 4 2X2 FLAT PANEL SURFACE MOUNT KIT (23.85" L X 24.97" W X 3.7" H)	
104814	ML24G4SMK	GEN 4 2X4 FLAT PANEL SURFACE MOUNT KIT (47.87" L X 24.97" W X 3.7" H)	
104816	MLG4CHK	GEN 4 CABLE HANGING KIT FOR 1X4, 2X2 FLAT PANEL - 4 CABLES	
104848	ML24G4CHK	GEN 4 CABLE HANGING KIT FOR 2X4 FLAT PANEL - 6 CABLES	
108566	EBUUP17015N200B	EMERGENCY BATTERY BACK UP INVERTER, 15W, 120-347VAC, CEC COMPLIANT, FIELD INSTALLABLE, 41-122F AMBIENT - TAA	
112342	ML90DCONNECT	90 DEGREE CONNECTOR FOR FIELD INSTALL BBU INSTALLATION FOR PANELS	
114595	PANFPR14-BBUBRACKET	BBU BRACKET WITH SCREWS FOR 1X4 G6 PANEL (FIELD INSTALL)	
114598	PAN2224-BBUBRACKET	BBU BRACKET WITH SCREWS FOR 2X2 2X4 G6 PANEL (FIELD INSTALL)	

** For Field Install BBU option, purchase BBU model# EBUUP17015N200B along with the mounting bracket PANFPR14-BBUBRACKET or PAN2224-BBUBRACKET.
Lumens delivered at BBU mode varies based on wattage and CCT setting.
Lumens Delivered at field install BBU mode (lm): 2,250lm - for 90 minutes, when fully charged. Fixture will always be at 6500K at BBU mode

*** If installing the MLxxxxSMK with Field install BBU option, purchase 90 degree connector model number ML90DCONNECT.

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FlatMax Gen 6 – Controls Ready Flat Panel *MLFP Enhanced Series*

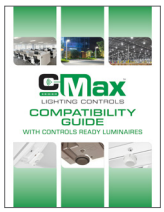
c-Max Controls Microsites and Compatibility Guide

c-Max BC BASIC LIGHTING CONTROLS — Microsite

c-Max NC NETWORK LIGHTING CONTROLS — Microsite

c-Max RF EasyRF™ LIGHTING CONTROLS — Microsite

c-Max NP NETWORK PARTNERS — Microsite



Product Compatibility Guide

Compatible Controls (Sold Separately)+

The table below shows a small subset of control nodes from each tier that directly plug in with the fixture.
Refer to individual microsites above for more accessories that could be added based on application requirements.

ORDER CODE	MODEL NUMBER & LINK TO DATA SHEET	DESCRIPTION	QR CODE TO DATA SHEET	IMAGE
		c-Max Basic		
105567	CN-REMOTE	CONTROL NODE REMOTE CONTROL		
105890	CN-RTPSW[1]	CONTROL NODE RECTANGULAR, PIR MOTION SENSOR/DAYLIGHT HARVESTING, WHITE		
		c-Max Network		
105892	NN-RTW	NETWORK NODE RECTANGULAR, WHITE		
105893	NN-RTDHW	NETWORK NODE RECTANGULAR, DAYLIGHT HARVESTING, WHITE		
106059	NN-RTPSW	NETWORK NODE RECTANGULAR, PIR MOTION SENSOR/DAYLIGHT HARVESTING, WHITE		
		c-Max EasyRF		
110961	RF-RTPSW	EasyRF NODE RECTANGULAR, PIR MOTION SENSOR/DAYLIGHT HARVESTING, WHITE		
110962	RF-REMOTE	EasyRF REMOTE CONTROL COMMISSIONING TOOL		
		c-Max Network Partners - Silvair		
110431	NN-RTPSW-SL	SILVAIR NETWORK NODE RECTANGULAR, PIR MOTION SENSOR/DAYLIGHT HARVESTING, WHITE		
111148	NN-RTW-SL	SILVAIR NETWORK NODE RECTANGULAR, WHITE		
		c-Max Network Partners - Casambi		
112428	NN-RTPSW-CA	CASAMBI NETWORK NODE RECTANGULAR, PIR MOTION SENSOR/DAYLIGHT HARVESTING, WHITE		
112429	NN-RTW-CA	CASAMBI NETWORK NODE RECTANGULAR, WHITE		

[1] Maxlite recommends CN-RTPSW (PIR) sensor for most applications with this fixture. If CN-RTMST(microwave) is required for an application, Maxlite recommends a pilot test to confirm there is no interference that causes unexpected responses from the microwave sensor. For additional options and c-Max network Partners components check Maxlite.com/cmax

+ Note - This controls ready fixture is compatible with the c-Max platform supporting multiple tiers of controls. The table above shows a small subset of control nodes from each tier that directly plug in with the fixture. Refer to individual microsite above for more accessories that could be added based on application requirements

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MaxLite®

FlatMax Gen 6 – Controls Ready Flat Panel

MLFP Enhanced Series

Specifications

	MLFP14G616WCSCR	MLFP22G616WCSCR	MLFP24G620WCSCR
Size	1′ x 4′	2′ x 2′	2′ x 4′
Nominal Wattage (W)	Wattage Selectable: 16W – 19W – 26W – 32W	Wattage Selectable: 16W – 19W – 26W – 32W	Wattage Selectable: 20W – 26W – 33W – 41W
Lumens Delivered (lm)	2,640 – 3,040 – 4,030 – 4,800 lm (Values at 4000K CCT)	2,640 – 3,040 – 4,030 – 4,800 lm (Values at 4000K CCT)	2,900 – 3,770 – 4,785 – 5,945 lm (Values at 4000K CCT)
Nominal Efficacy (lm/W)	165 – 160 – 155 – 150 lm/W (Values at 4000K CCT)	165 – 160 – 155 – 150 lm/W (Values at 4000K CCT)	145 – 145 – 145 – 145 lm/W (Values at 4000K CCT)
Lumens delivered at BBU mode (lm)	1,350 lm for 90 minutes, when fully charged (for EM and E2 suffix). Fixture will always be at 6800K at BBU mode		
Color Temperature (K)	CCT Selectable: 3000K, 3500K, 4000K, 5000K, 6500K		
CRI	≥80		
Calculated L70 Lumen Maintenance	100,000 hours		
Beam Angle	120°		
Dimming Technology	0-10V		
Dimming Range	10-100%		
Input Voltage	120-277V AC		
Input Frequency	50/60 Hz		
Surge Protection	2.5kV Ring Wave		
Power Factor	0.9		
Housing	Steel		
Diffuser	Polystyrene Lens		
Finish	White		
Operating Temperature	-4°F to +122°F (-20°C to +50°C) For EM and E2 suffix: 50°F to +122°F (10°C to +50°C) For Field Install BBU: 41°F to +122°F (5°C to +50°C)		
Humidity	Damp location, 10-85% RH, non-condensing		
Qualifications	DLC Premium		
Certifications	UL Certified,.RoHS, FCC		
Environment	Damp Locations, Type IC		
Warranty	10 Years. Check maxlite.com/warranties for details.		
Product Weight	4.4 lbs/5.4 lbs (EM and E2)	4.1 lbs/5.0 lbs (EM and E2)	6.9 lbs/7.8 lbs (EM and E2)

* Default setting for WCS models is set to lowest wattage and 4000K.
** Lumens delivered at BBU mode varies based on wattage and CCT setting

FCC Statement

This device complies with part 15 of the FCC Rules, Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

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FlatMax Gen 6 – Controls Ready Flat Panel

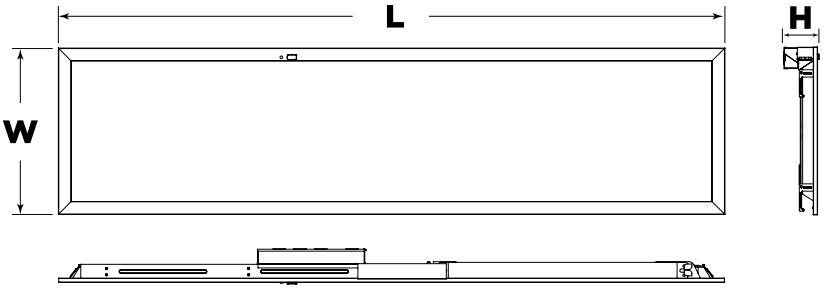
MLFP Enhanced Series

Dimensions

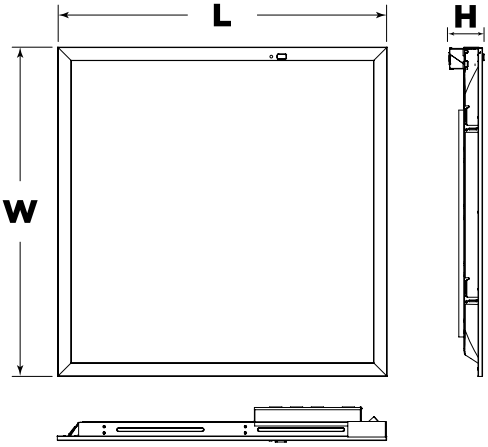
PRODUCT	LENGTH L	WIDTH W	HEIGHT H	HEIGHT W/ J-BOX INSTALLED	HEIGHT W/ J-BOX & EM INSTALLED	HEIGHT W/ J-BOX & E2 INSTALLED	HEIGHT W/ J-BOX & FIELD INSTALL BBU INSTALLED
MLFP14G616WCSCRTA	47.7 in	11.9 in	1.5 in	2.5 in	2.5 in	2.5 in	3.5 in
MLFP22G616WCSCRTA	23.7 in	23.7 in	1.5 in	2.5 in	2.5 in	2.5 in	3.6 in
MLFP24G620WCSCRTA	47.8 in	23.7 in	1.5 in	2.5 in	2.5 in	2.5 in	3.6 in

Note: Taller J-Box included with each panel.

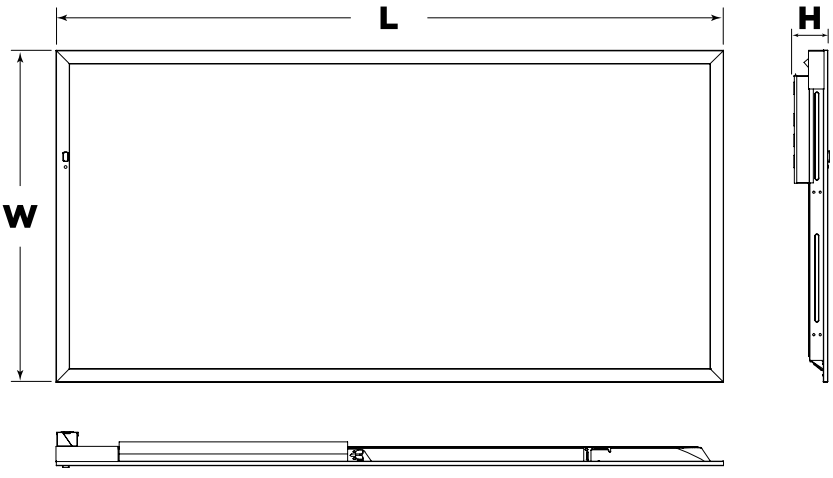
1X4'



2X2'



2X4'



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MaxLite

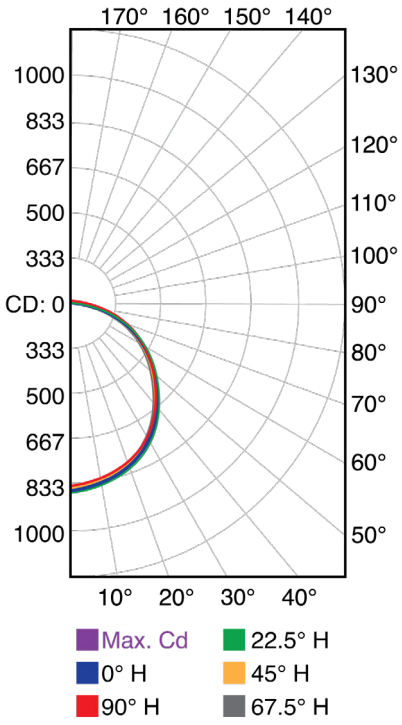
FlatMax Gen 6 – Controls Ready Flat Panel

MLFP Enhanced Series

Polar Candela Distribution

MLFP14G616WCS
1x4 at 16 Watts, 4000K

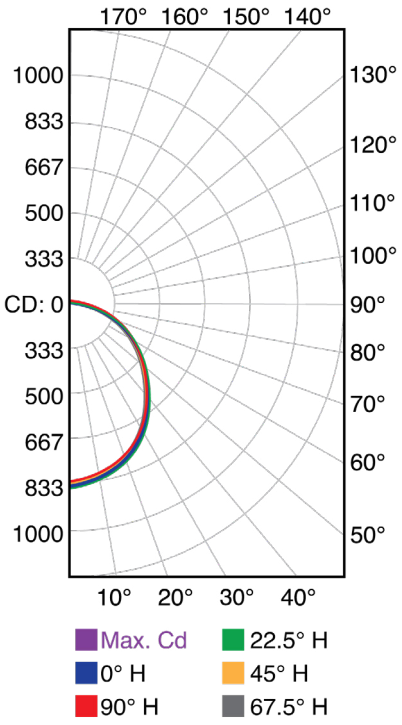
Polar Candela Distribution



CP SUMMARY	
ANGLE	CANDELA
0°	876
5°	872
15°	847
25°	799
35°	724
45°	622
55°	492
65°	338
75°	173
85°	29
90°	1
95°	0

MLFP22G616WCS
2x2 at 16 Watts, 4000K

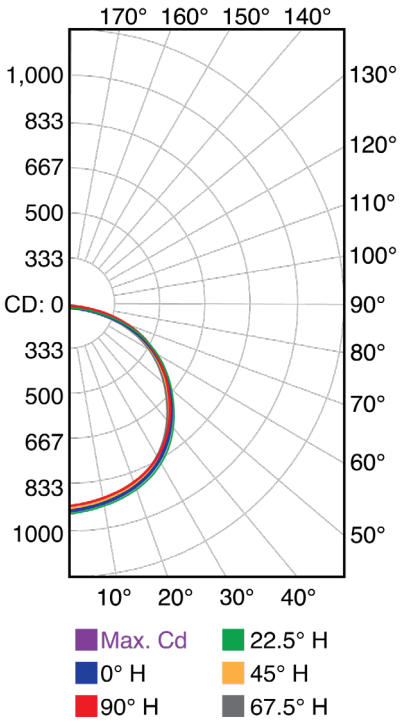
Polar Candela Distribution



CP SUMMARY	
ANGLE	CANDELA
0°	845
5°	843
15°	816
25°	763
35°	696
45°	586
55°	464
65°	327
75°	175
85°	42
90°	3
95°	0

MLFP24G620WCS
2x4 at 20 Watts, 4000K

Polar Candela Distribution



CP SUMMARY	
ANGLE	CANDELA
0°	933
5°	932
15°	910
25°	866
35°	796
45°	696
55°	567
65°	407
75°	230
85°	62
90°	14
95°	0

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