PROJECT NAME:_____ CAT. #: _____

NOTES:_____ FIXTURE SCHEDULE:_____

LED Flat Panel Retrofit Kit

Wattage Color Select Controls Ready Series

1x4

2x2

2x4

Description:

The Flat Panel Retrofit Kit is an Enhanced product offering from Maxlite offering easy and cost-effective solution to upgrade fluorescent troffers to LED. The kit utilizes the existing troffer housing, thereby reducing labor time and expense since installation can be performed from below the ceiling. An existing troffer can be retrofitted in just minutes! The kit's LED light source delivers uniform illumination with minimal glare, and creates a clean aesthetic that is perfect for offices, retail, health care, educational, hospitality and other commercial facilities. With a Wattage and CCT select option, each unit provides more than 9 variations of the product giving flexibility to the end users and distributors. The kit also boasts one of the industry's highest efficacy (140 LPW), and is DLC premium qualified offering the best ROI for ESCO projects with maximum energy savings. As a true Controls Ready (CR) product, this series takes advantage of Maxlite's Patented c-Max plug and play system offering end users controls option even if the current system is not wired for controls.

Features:

- Quick Installation of Flat Panel Retrofit Kit in existing luminaire without the need to break the ceiling plenum.
- Design prevents any gaps from the retrofit fit in the existing troffer
- Includes safety cable to attach to housing

Construction:

- Standard Dimension for 1x4, 2x2 & 2x4 Retrofits
- Fits most existing Troffers

Form & Fit:

MaxLite recommends that a product sample is tested before projects begin to check fit of the retrofit kit. The retrofit kit is designed to fit into most preexisting troffers (lensed and parabolic).

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.

Ordering Information

FAMILY	-	SIZE	DIMMABLE	WATTAGE SELECTABLE	-	CCT	CONTROLS READY	PACKAG-ING	BBU OPTION	SOURCE
FPR		**14=** 1'x4'	**D=** Dimmable	**15W=** 15W/20W/25W		**CS=** Color Selectable 3500K/ 4000K/ 5000K	**CR=** Controls Ready	**BLANK=** None **/2PK=** 2 pack	**BLANK=** None **EM=** Battery Back up[1] **E2=** Made to order Emergency Back Up	**TA=** TAA Compliant
		22= 2'x2'		**15W=** 15W/20W/25W						
		24= 2'x4'		**22W=** 22W/30W/38W						
		SIZE FOR FIXED WATTAGE		**FIXED WATTAGE**						
		22= 2'x2'		**13=** 13W						
		24= 2'x4'		**20=** 20W						

1. Battery back up models are available only in Single Pack configuration.
Check the Specification Table for lumen output for EM and E2 suffix.

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Stocked Items

ORDER CODE	MODEL NUMBER	DLC PRODUCT ID	PRIMARY USE DESIGNATION	CLASSIFICATION
110999	FPR14D15WCSR/2PKTA	S-34BTWP	Integrated Retrofit Kits for 1x4 Luminaires	Premium
110998	FPR14D15WCSCRTA	S-34BTWP	Integrated Retrofit Kits for 1x4 Luminaires	
111001	FPR22D13CSCR/2PKTA	S-5QY5SX	Integrated Retrofit Kits for 2x2 Luminaires	
111003	FPR22D15WCSCR/2PKTA	S-VSB9C5	Integrated Retrofit Kits for 2x2 Luminaires	
111221	FPR22D15WCSCREMTA	S-VSB9C5	Integrated Retrofit Kits for 2x2 Luminaires	
111002	FPR22D15WCSCRTA	S-VSB9C5	Integrated Retrofit Kits for 2x2 Luminaires	
111005	FPR24D20CSCR/2PKTA	S-9H5Q1T	Integrated Retrofit Kits for 2x4 Luminaires	
111007	FPR24D20WCSCR/2PKTA	S-022X43	Integrated Retrofit Kits for 2x4 Luminaires	
111222	FPR24D22WCSCREMTA	S-022X43	Integrated Retrofit Kits for 2x4 Luminaires	
111006	FPR24D22WCSCRTA	S-022X43	Integrated Retrofit Kits for 2x4 Luminaires	

Accessories (SOLD SEPARATELY)

ORDER CODE	MODEL NUMBER	DESCRIPTION	IMAGE
111057	FPR-ARB-24	FPR Air Return Bracket - For Use With 2x2 FPR - 2PC in Polybag	
111057	FPR-ARB-48	FPR Air Return Bracket - For Use With 1x4 and 2x4 FPR - 2PC in Polybag	
108566	EBUUP17015N200B **	Emergency Inverter, 15W, 120-347 VAC, CEC Compliant, Field Installable, 0-50°C Ambient Lumens Delivered at field install BBU mode (lm): 2900 lm - for 90 mins, when fully charged	
111054	FPR-BBUBRACKET14 **	BBU Bracket for 1X4 FPR (2PC Bracket + Hardware)	
111055	FPR-BBUBRACKET2224 **	BBU Bracket for 2X2 AND 2X4 FPR (1PC Bracket + Hardware)	
111289	EBU-RTST-E15 **	Ribbon Flat Test Switch for Espen Emergency Inverter, 15W - EBUUP17015N200B	

*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 Field Install BBU option, purchase BBU model# EBUUP17015N200B along with the ribbon flat test switch model# EBU-RTST-E15 and the mounting bracket FPR-BBUBRACKET14 for 1x4, or FPR-BBUBRACKET2224 for 2x2/ 2x4. Lumens delivered at BBU mode varies based on wattage and CCT setting. Lumens Delivered at field install BBU mode (lm):2900 lm - for 90 minutes, when fully charged.

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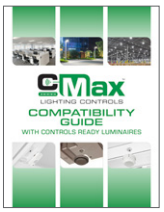
c-Max Controls Microsites and Compatibility Guide

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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Specifications

	FPR14D15WCSCR			FPR22D15WCSCR			FPR22D13CSCR
Size	1X4'			2X2'			2X2'
Nominal Wattage (W)	15W	20W	25W	15W	20W	25W	13W
Lumens Delivered (lm)	2035, 2087**, 2079	2728, 2797, 2788	3335, 3420, 3408	2146, 2203 **, 2201	2881, 2958, 2955	3550, 3645, 3641	1920, 1949*, 1929
Nominal Efficacy (lm/W)	138, 144**, 140	135, 141, 137	133, 139, 135	145, 154**, 150	142, 150, 146	139, 147, 143	141, 146*, 142
Lumens Delivered at BBU mode (lm)	1050lm with EM suffix. 2900lm with E2 suffix - for 90 minutes, when fully charged						
CCT	3500K, 4000K*, 5000K						
CRI	≥80						
L70 Lumen Maintenance (Hours)	100,000 hrs						
Dimming Technology	0-10V						
Dimming Range	10-100%						
Input Voltage	120-277V AC						
Power Factor	≥0.9						
Housing	Steel White						
Diffuser	PolyStyrene Lens						
Humidity	10% to 80% RH Non-Condensing						
Operating Temperature	-4°F to +122°F (-20°C to +50°C), except BBU models. BBU models: 50°F to +122°F (10°C to +50°C)						
Certifications	ETL listed for damp locations, RoHS Compliant, FCC						
Qualifications	DLC Premium						
Warranty	10 Years. Check maxlite.com/warranties for details.						

Specifications

	FPR24D22WCSCR			FPR24D20CSCR
Size	2X4'			2X4'
Nominal Wattage (W)	22W	30W	38W	20W
Lumens Delivered (lm)	3083, 3152 **, 3136	4091, 4183, 4162	5342, 5462, 5435	2918, 2966*, 2944
Nominal Efficacy (lm/W)	145, 152**, 149	142, 149, 146	137, 144, 141	144, 149*, 145
Lumens Delivered at BBU mode (lm)	1050lm with EM suffix. 2900lm with E2 suffix - for 90 minutes, when fully charged			
CCT	3500K, 4000K*, 5000K			
CRI	≥80			
L70 Lumen Maintenance (Hours)	100,000 hrs			
Dimming Technology	0-10V			
Dimming Range	10-100%			
Input Voltage	120-277V AC			
Power Factor	≥0.9			
Housing	Steel White			
Diffuser	PolyStyrene Lens			
Humidity	10% to 80% RH Non-Condensing			
Operating Temperature	-4°F to +122°F (-20°C to +50°C), except BBU models. BBU models: 50°F to +122°F (10°C to +50°C)			
Certifications	ETL listed for damp locations, RoHS Compliant, FCC			
Qualifications	DLC Premium			
Warranty	10 Years. Check maxlite.com/warranties for details.			

* Factory default CCT is 4000K. ** Factory default is lowest wattage at 4000K

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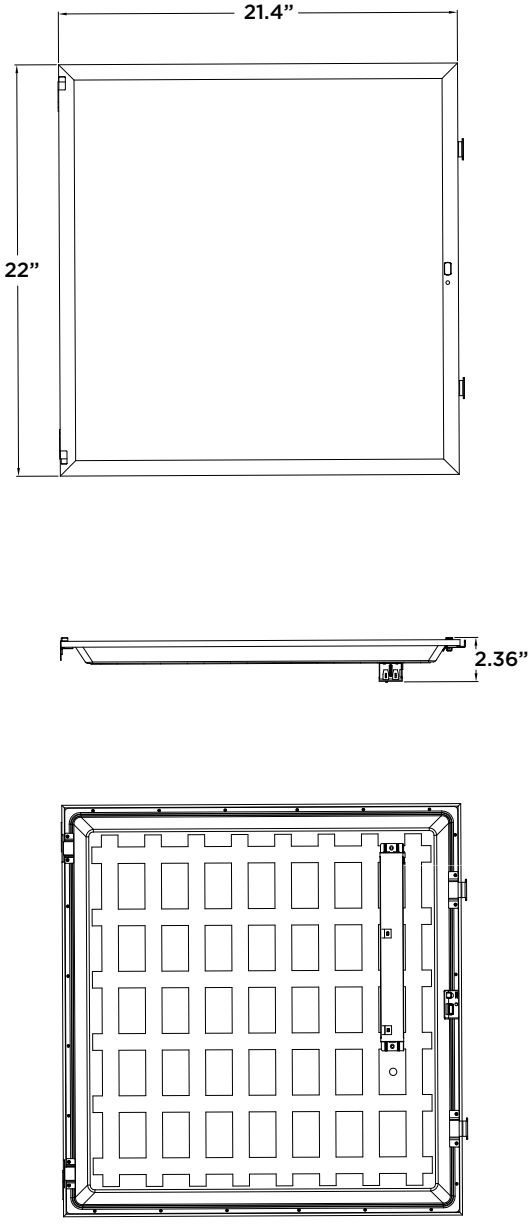
Dimensions

1x4



2x2

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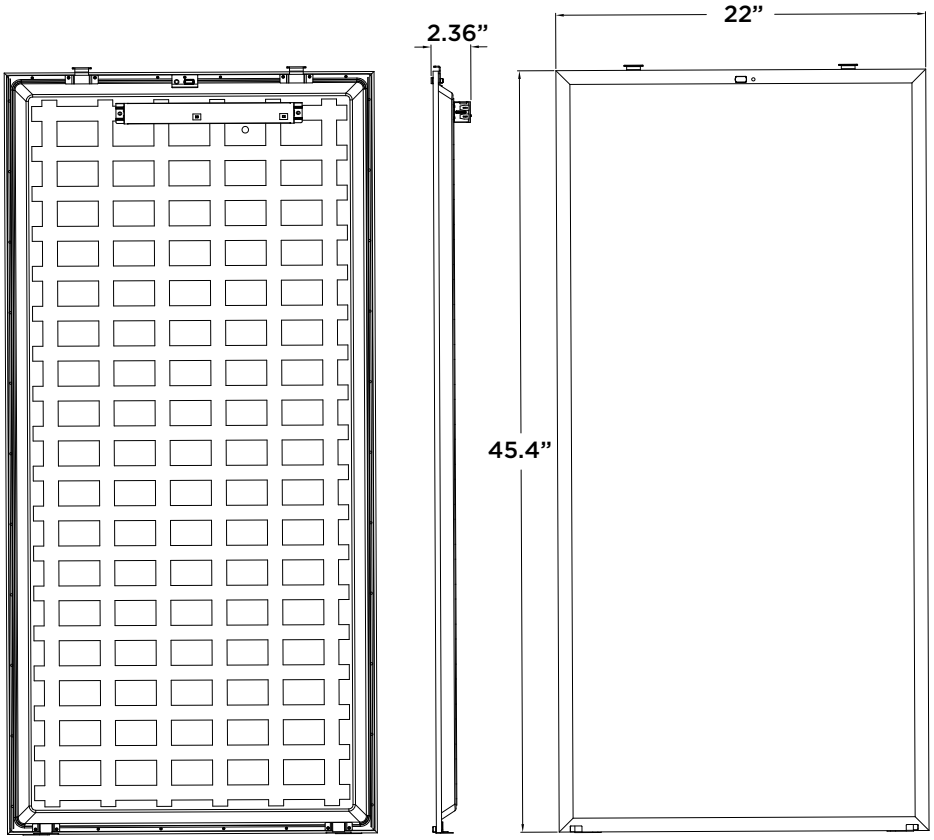
LED Flat Panel Retrofit Kit

Wattage Color Select Controls Ready Series

Dimensions



2x4

MODEL	L (INCH)	W (INCH)	H (INCH)	H (EM ADDED)
FPR24D22WCSCR	45.4	22	2.36	2.44
FPR22D15WCSCR	22	21.4		
FPR14D15WCSCR	45.4	10		
FPR24D20CSCR	45.4	22		
FPR22D13CSCR	22	21.4		

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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