

PROJECT NAME: _____
NOTES: _____

CAT. #: _____
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 | PACKAGING | 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 up¹ 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.



10-year standard warranty with labor allowance (further details available at www.maxlite.com/warranties)

Warranty Limitations: Product must be rated for application per the Product Data Sheet (PDS); operated ≤16 hrs; in ambient temperatures -4°F to 77°F. If ambient temperatures fall outside the -4°F to 77°F range, product is warrantied for 5 years according to the operating temperature

range specified on the PDS. Up to \$25/unit; registration required. Additional coverage may be available for purchase; contact MaxLite. Excludes EM/MS versions; component warranty applies.





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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 | FPR22D13CSR/2PKTA | S-5QY5SX | Integrated Retrofit Kits for 2x2 Luminaires | |
| 111003 | FPR22D15WCSR/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 | FPR24D20CSR/2PKTA | S-9H5Q1T | Integrated Retrofit Kits for 2x4 Luminaires | |
| 111007 | FPR24D20WCSR/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.

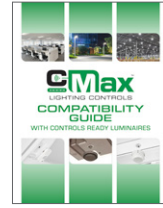
If CN-RTMST(microwave) is required for an application, Maxlite recommends a pilot test to confirm there is no interference that causes unexpected responses from the microwave sensor.

** 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



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-RTPSW¹ | 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 | | | | | | |

Specifications

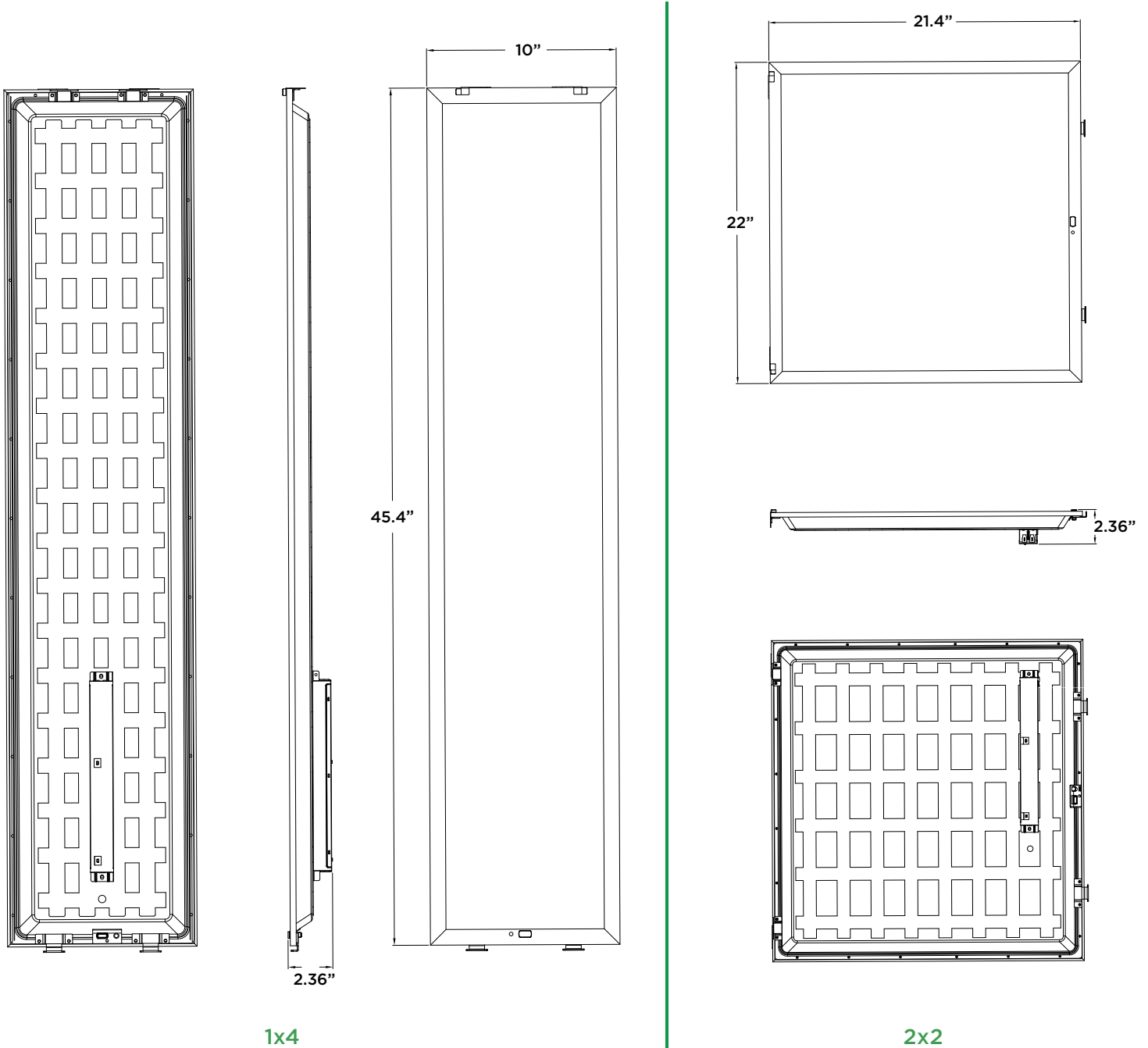
| | FPR24D22WCSCR | | | FPR24D20CSCR |
|-----------------------------------|--|------------------|------------------|-------------------|
| Size | 2X4' | | | 2X4' |
| Nominal Wattage (W) | 22W | 30W | 38W | 20W |
| Lumens Delivered (lm) | 3083, 3152 **, 3136 | 4091, 4183, 4162 | 5342, 5462, 5435 | 2918, 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 | | | |

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

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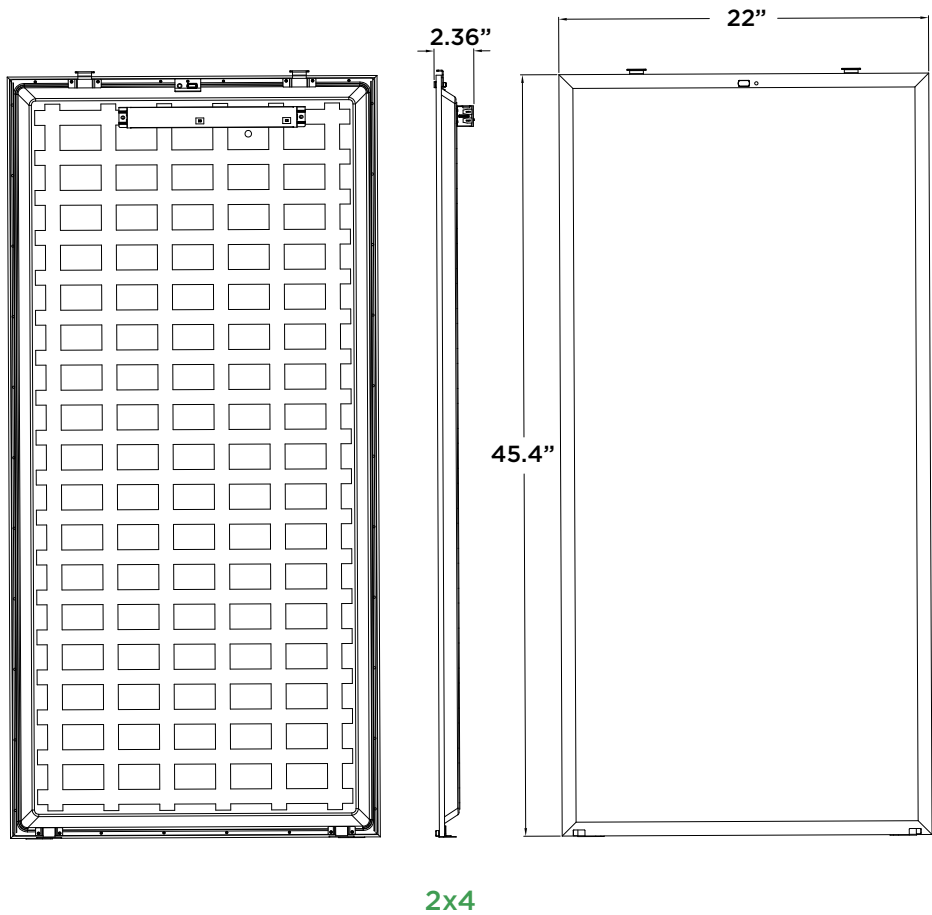
Dimensions



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Dimensions



| 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.