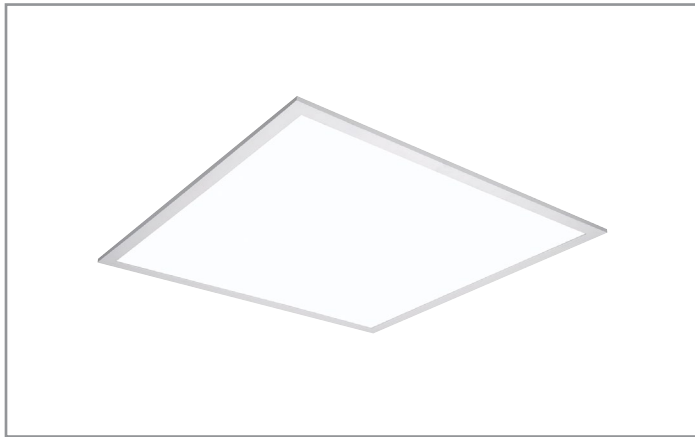| Project | | Catalog # | | Type | |
|---|---|---|---|---|---|
| Prepared by | | Notes | | Date | |

# Metalux

## 22FP LED

2' x 2' General LED Panel
Recessed in Insulated Ceilings or
Suspended/Surface Mount

**Typical Applications**

• Commercial Office Spaces • Schools • Healthcare
• Retail Merchandising Areas

## Interactive Menu

## Product Certification

DLC QPL LISTED    DLC QPL PREMIUM    SYSTEMS CERTIFIED    **Efficiency Standards** T24 Can be used to comply with California Title 24 Non-Residential

## Product Features

Connected Systems    MWS® MODULAR WIRING SYSTEM CLICK HERE
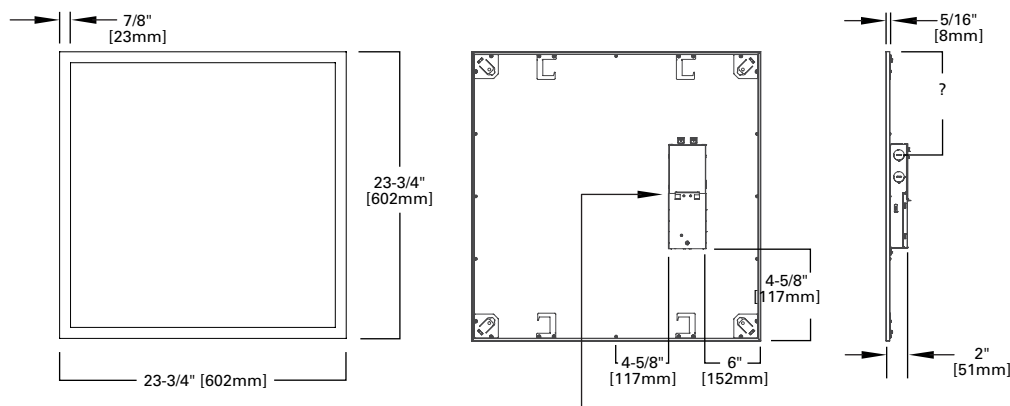
## Top Product Features

• Ultra thin less than 2" height fits shallow plenums with room to spare
• Models from less than 20W and High Lumen models up to 7000 lumens
• HE models at 136 lumens per watt deliver up to 60% energy savings
• Stock CCT in 80 CRI @ 3000K, 3500K, 4000K, 5000K and 90 CRI 3000K
• Easy to install - wire and wire nuts included

## Dimensional and Mounting Details

7/8" [23mm]

23-3/4" [602mm]

23-3/4" [602mm]

4-5/8" [117mm]

4-5/8" [117mm]    6" [152mm]

5/16" [8mm]

?

4-5/8" [117mm]

2" [51mm]

Access plate with top side KO is available upon request.
Please contact factory if needed for use with MWS or otherwise.

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## Ordering Information/Performance

### Standard Options

| Catalog | UPC | CCT | CRI (Min) | Delivered Nominal Lumens | Watts | Efficacy (lm/W) | Input Current (A) 120V | Input Current (A) 277V |
|---|---|---|---|---|---|---|---|---|
| 22FP4235C | 080083833580 | 3500K | 80 | 4330 | 38.3 | 112 | .32 | .14 |
| 22FP4240C | 080083833603 | 4000K | 80 | 4465 | 38.3 | 117 | .32 | .14 |
| 22FP4250C | 080083833627 | 5000K | 80 | 4572 | 41.4 | 120 | .35 | .15 |
| 22FP3235C | 080083833528 | 3500K | 80 | 3307 | 29.2 | 115 | .24 | .11 |
| 22FP3240C | 080083833542 | 4000K | 80 | 3333 | 29.2 | 114 | .24 | .11 |
| 22FP3250C | 080083833566 | 5000K | 80 | 3331 | 30.0 | 111 | .25 | .11 |
| 22FP3830C9 (1) | 080083833801 | 3000K | 90 | 3654 | 39.1 | 93 | .34 | .15 |
| 22FP2830C9 (1) | 080083833788 | 3000K | 90 | 2734 | 29.5 | 93 | .26 | .11 |
| 22FP2535HE | 080083824090 | 3500K | 80 | 2610 | 20.1 | 130 | .17 | .07 |
| 22FP2540HE | 080083824113 | 4000K | 80 | 2551 | 19.6 | 130 | .17 | .07 |
| 22FP2130C | 080083823994 | 3000K | 80 | 2318 | 20.7 | 112 | .18 | .08 |
| 22FP2135C | 080083824014 | 3500K | 80 | 2205 | 20.7 | 107 | .18 | .08 |
| 22FP2140C | 080083824038 | 4000K | 80 | 2494 | 20.7 | 121 | .18 | .08 |

Notes : (1) May have extended lead times.

### 347V Options

| Catalog | UPC | CCT | CRI (Min) | Delivered Nominal Lumens | Watts | Efficacy (lm/W) | Input Current (A) 347V |
|---|---|---|---|---|---|---|---|
| 22FP4235C-347V | 80083885480 | 3500K | 80 | 4330 | 37.3 | 116 | .111 |
| 22FP4240C-347V | 80083876723 | 4000K | 80 | 4465 | 37.3 | 120 | .111 |
| 22FP4250C-347V | 80083885565 | 5000K | 80 | 4572 | 37.3 | 123 | .111 |

### Options/Ordering Information

ATW-SW4=Chicago Rated and IP5X ingress protection (3)
Example catalog number=ATW-SW4-22FP3240C

EL14W=EBPLED14W battery installed (2)
EL7W=EBPLED7W battery installed (2)
Example catalog number=22FP3240C-EL14W

A3/8-4/18GDIM=6' 3/8" flex with dimming leads installed
Example catalog number=22FP3240C-A3/8-4/18GDIM

Notes : (2) Indicator/test switch to be installed separately. For approximate delivered lumens multiply the lumens per watt of the desired fixture by the wattage of the emergency battery pack (100 lm/W x 7=700 lumens). (3) May not be used with EL7W, EL14W or Flex options.

### Load Data (Stock Product)

| | |
|---|---|
| Thd | 14% |
| Power Factor | 0.96 |
| Weight | 9.4 lbs |
| Low Temp. Start | -20ºC |

### Shipping Data

| Fixture Size | Wt. | Pallet Size | Units per Pallet |
|---|---|---|---|
| 2' x 2' | 12 lbs. | 53" x 30" | 44 |

### Accessories/Ordering Information
#### Surface Mount Kit (3)

| Catalog | UPC |
|---|---|
| FPSURF22 | 080083802722 |

Notes : (3) May not be used with EL7W or EL14W options.

#### Drywall Frame Kit

| Catalog | UPC |
|---|---|
| DF-22W-U | 662401232963 |



23-7/8" [607mm]

23-7/8" [607mm]
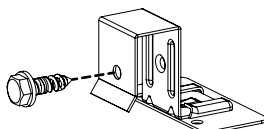
2-1/8" [55mm]

#### Ceiling Retention

| Catalog | UPC |
|---|---|
| FPEQ | 080083802685 |

Required by some local codes. Order one set for each fixture (Four clips per kit)
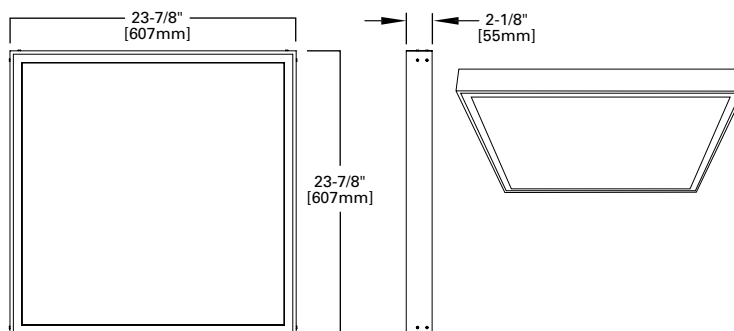


#### Suspension Kit

| Catalog | UPC |
|---|---|
| FPSUS2 | 080083802784 |

Mounting height from ceiling
Min.=7-1/4" [184mm]
Max.=27" [286mm]

## Product Specifications

### Construction
- Narrow aluminum bezel is tightly held to code gauge steel back plate
- Seamless corners to maximize the light emitting surface with a refined finish

### Mounting
- Integral grid locking clips and separate suspension clips provided for installation flexibility when additional retention is required
- Junction box constructed of code gauge galvanized steel with and easy access hinged door
- Multiple Trade size KO provided and JBox is suitable for up to 12AWG wiring
- Stock luminaire is less than 2" for use in shallow plenum or low ceiling spaces
- Surface or suspension mounting kits available
- ATW-SW4 option is available for CCEA compliance and provides full IP5X rating
- Factory installed flexible cable with dimming leads options available

### Controls
- Standard UNV 120 - 277V driver with 0-10V dimming to 10% standard
- Compatible with field installed wireless controls available for either Wavelinx of Enlighted

### Electrical
- Standard and High Efficacy models available
- LED's available in 3000K, 3500K, 4000K, and 5000K with a minimum of 80 CRI
- 90 CRI available with 3000K
- Projected lumen maintenance based on TM21 testing standards is L73 > 60,000 hours
- Emergency battery pack options available in 7w and 14w options
- Battery pack options available as factory installed or field installed for remote mounting

### Optical Shielding
- Acrylic light guide with specialized features to optimize light extraction
- White frost lens with smooth pattern for uniform illumination
- Scratch and impact resistant

### Compliance
- Indoor luminaires are cULus listed for 25C ambient environments
- IC rated for direct insulation contact
- RoHS compliant
- Damp location listed
- IESNA LM-79 and LM-80 standards compliant
- DesignLights Consortium® Qualified and classified for both DLC Standard and DLC Premium, refer to www.designlights.org for details.
- Can be used for State of California Title 24 high efficacy luminaire
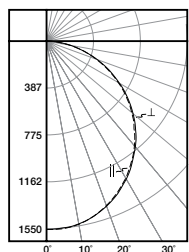
### Warranty
- Five year warranty.

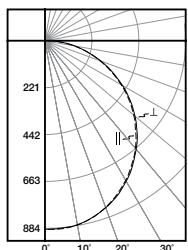## Photometric Data

**View IES files**
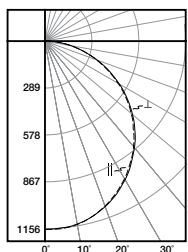


**22FP3240C**
Electronic Driver
Linear LED 4000K
Spacing criterion: (II) 1.25 x mounting height, (⊥) 1.26 x mounting height
Lumens: 3333
Input Watts: 29.2W
Efficacy: 114.1 LPW
Test Report: 22FP3240C.IES



**22FP4240C**
Electronic Driver
Linear LED 4000K
Spacing criterion: (II) 1.25 x mounting height, (⊥) 1.26 x mounting height
Lumens: 4465
Input Watts: 38.3W
Efficacy: 116.6 LPW
Test Report: 22FP4240C.IES



**22FP2540HE**
Electronic Driver
Linear LED 4000K
Spacing criterion: (II) 1.25 x mounting height, (⊥) 1.26 x mounting height
Lumens: 2551
Input Watts: 19.6W
Efficacy: 130.2 LPW
Test Report: 22FP2540HE.IES

## Control Systems
- WaveLinx
- DLVP
- Enlighted
- iLumin Plus
- VividTune

**Connected Systems**
**CLICK HERE**

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