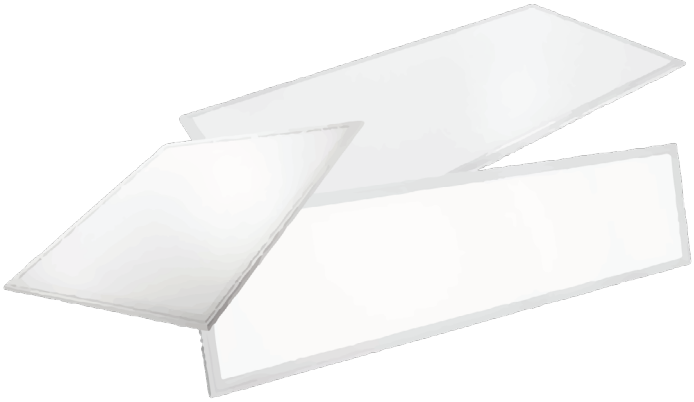
# FFP - Fidelux Premier Flat Panel Series

## Product Description

Fidelux FFP Premier series LED dimmable panels provide a simple 0-10v solution that is compatible with stand alone 0-10v dimmers as well as larger lighting control systems. Designed for drop in ceilings the FFP series panels are high performance , Edge Lite and are the ideal energy-efficient replacement for fluorescent fixtures in office, schools, hospitality, healthcare, and other commercial and industrial applications. FFP panels are available in 1'x4', 2'x2', and 2'x4' models in 3000k, 3500k, 4000k, and 5000k correlated color temperatures.



## Features & Benefits

- Ease of installation and low maintenance
- Ultra-thin, Edge Lite, white profile - depth just 0.31"
- Factory installed EM pack

## Mounting Options

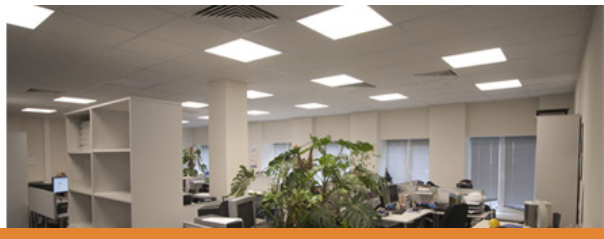
- Recessed T-Bar
- Suspension Kit (hooks and 6ft cables included as standard in all fixtures)
- Surface Mount
- Drywall Kit

## Regulatory & Voluntary Qualifications

- UL, Damp location certified, Indoor only
- Most of our products are DLC listed, qualifying them for the highest rebates. Please check individual product specs for DLC status. Refer to DLC website by clicking this link: https://www.designlights.org

## Performance Summary

| |
|---|
| Efficacy Up To: 131 l/pw |
| CRI up to: 84 cri |
| CCT: 30/35/40/50K |
| Dimming: 0-10v@ 5% Dim |
| Temp: -25° - +55°C Ambient Input |
| Voltage: 100-277vac |
| Operating Frequency: 50 / 60Hz Power |
| Factor up to: 0.99 |
| Dimension: 1x4, 2x2, 2x4 |
| L70 Lifetime Hrs up to: 122,000+ (TM21) |
| Edge Lite: Yes |



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Project Name:
Type:
Date:

## FFP Series Specification Summary

| DATA SOURCE | DLC | DLC | DLC | DLC | DLC |
|---|---|---|---|---|---|
| Product Number | FFP14-32W | FFP22-20W | FFP22-32W | FFP24-32W | FFP24-38W |
| Nominal Efficacy l/pw | 128 l/pw | 131 l/pw | 124 l/pw | 130 l/pw | 127 l/pw |
| Input Power: Watts | 31.6 | 18.7 | 31.9 | 30.5 | 38.1 |
| Lumens @ 3000K | 3400 | 2380 | 3895 | 3995 | 4695 |
| Lumens @ 3500K | 3500 | 2380 (No DLC) | 3950 | 4000(No DLC) | 4700 |
| Lumens @ 4000K | 3500 | 2430 | 3950 | 4100 | 4760 |
| Lumens @ 5000K | 4060 | 2445 | 3957 | 3961 | 4842 |
| Qualifications | ETL, DLC 4.2 Premium, Damp location | ETL, DLC 4.2 Premium, Damp location | ETL, DLC 4.2 Premium, Damp location | ETL, DLC 4.2 Premium, Damp location | ETL, DLC 4.2 Premium, Damp location |
| CRI | 83 | 82 | 84 | 83 | 84 |
| CCT/Kelvin Temp Options | 30/35/40/50K | | | | |
| Dimming | 0-10V @ 5% | | | | |
| Input Voltage Options | 100-277vac | | | | |
| L70 Lifetime Hrs (TM21) | 122,000+ Hrs @ L70 (TM21) | | | | |
| Beam/Field Angle | 120° | | | | |
| Power Factor | 0.91 | 0.93 | 0.99 | 0.92 | 0.99 |
| THD @ 120vac | 16.3% | 19.1% | 14.3% | 17.9% | 17.1% |
| Ambient Working Temp | -25°C to +55°C Ambient | | | | |
| Max Dimensions (in) | 47.63" x 11.81" | 23.74" x 23.74" | 23.74" x 23.74" | 23.74" x 47.63" | 23.74" x 47.63" |
| Total Weight | 12lbs | 12lbs | 12lbs | 24lbs | 24lbs |
| Limited Warranty | 10 Yrs. | | | | |

Notes

Values are nominal unless noted +/- 5%
Specifications change without notice


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Project Name:
Type:
Date:

# FFP Series Product Ordering Guide

Example: FFP22-32W-40K-UNV-D

| Product | CCT/Color Temp | Voltage | Controls & Dimming | Emergency Backup |
|---|---|---|---|---|
| FFP14-32W | **30K** (3000 Kelvin) | **UNV** (120-277V) STD | **D** (0-10v Dimming) STD | **Blank** (No EM) |
| FFP22-20W | **35K** (3500 Kelvin) | | | **EM15** (Emergency backup 15w-90min.) |
| FFP22-32W | **40K** (4000 Kelvin) | | | |
| FFP24-32W | **50K** (5000 Kelvin) | | | |
| FFP24-38W | | | | |

## Factory Installed Options

| | |
|---|---|
| EM15 | 15 Watt adjustable - 90 Min. Emergency Pack option |
| SC (set4) | Lay in Troffer/ Panel Support Clip *(Ordered separately as needed 4 per fixture)* |

## Field Installed Mounting Options

| | |
|---|---|
| SUK14 | 1x4 Suspension Kit (4-6 hooks & aircraft cable with hardware) *Included with fixture as standard Item.* |
| SUK22 | 2x2 Suspension Kit (4-6 hooks & aircraft cable with hardware) *Included with fixture as standard Item.* |
| SUK24 | 2x4 Suspension Kit (4-6 hooks & aircraft cable with hardware) *Included with fixture as standard Item.* |
| SMK14 | 1x4 Surface Mounting Kit - see mounting instructions sheet for details |
| SMK22 | 2x2 Surface Mounting Kit - see mounting instructions sheet for details |
| SMK24 | 2x4 Surface Mounting Kit - see mounting instructions sheet for details |
| DWK14 | 1x4 Drywall Mounting Kit - consult factory |
| DWK22 | 2x2 Drywall Mounting Kit - consult factory |
| DWK24 | 2x4 Drywall Mounting Kit - consult factory |


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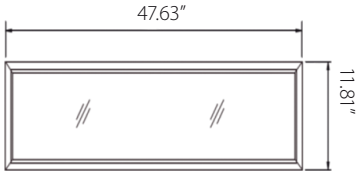
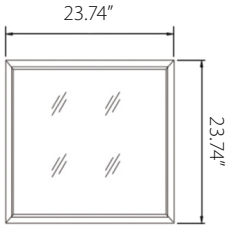
## FFP Series Design Details & Photometry

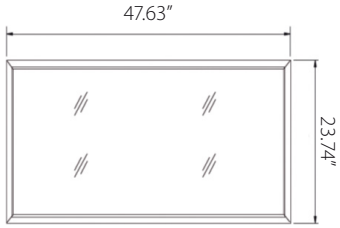
### FFP14 (1x4)




### FFP22 (2x2)



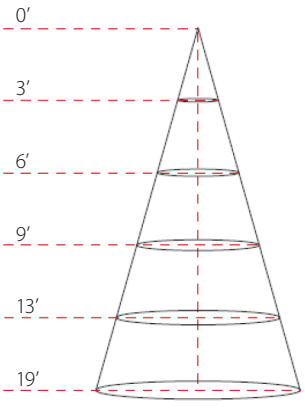

### FFP24 (2x4)

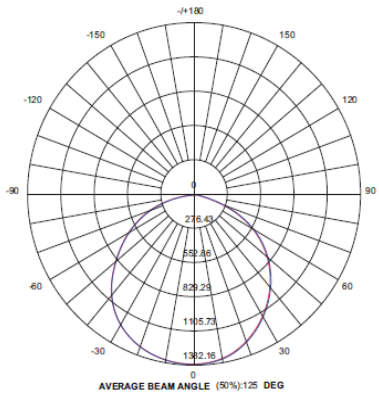


Photometry
FFP22-32W-50K-UNV-D
Luminaire photometry has been conducted by a NVLAP accredited testing laboratory in accordance with IESNA LM-79-08.
IESNA LM-79-08 specifies the entire luminance as the source resulting in a luminaire efficiency of 100%.

| Zonal Lumen Density | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Y | Avg. I (CD) | Zonal F (LM) | Sum F (LM) | Eff Flux (%) | Eff Sum (%) | Y | Avg. I (CD) | Zonal F (LM) | Sum F (LM) | Eff Flux (%) | Eff Sum (%) |
| 0 | 1339.874 | 0 | 0 | 0% | 0% | 95 | 0 | 4.850 | 3866.005 | 0% | 100% |
| 5 | 1333.832 | 31.963 | 31.963 | .827% | .827% | 100 | 0 | 0 | 3866.005 | 0% | 100% |
| 10 | 1316.660 | 94.816 | 126.780 | 2.453% | 3.279% | 105 | 0 | 0 | 3866.005 | 0% | 100% |
| 15 | 1286.927 | 154.443 | 281.223 | 3.995% | 7.274% | 110 | 0 | 0 | 3866.005 | 0% | 100% |
| 20 | 1246.699 | 208.806 | 490.029 | 5.401% | 12.675% | 115 | 0 | 0 | 3866.005 | 0% | 100% |
| 25 | 1196.296 | 256.225 | 746.254 | 6.628% | 19.303% | 120 | 0 | 0 | 3866.005 | 0% | 100% |
| 30 | 1134.763 | 294.997 | 1041.252 | 7.631% | 26.934% | 125 | 0 | 0 | 3866.005 | 0% | 100% |
| 35 | 1064.165 | 323.808 | 1365.059 | 8.376% | 35.309% | 130 | 0 | 0 | 3866.005 | 0% | 100% |
| 40 | 958.142 | 341.911 | 1706.971 | 8.844% | 44.153% | 135 | 0 | 0 | 3866.005 | 0% | 100% |
| 45 | 897.214 | 348.534 | 2055.504 | 9.015% | 53.169% | 140 | 0 | 0 | 3866.005 | 0% | 100% |
| 50 | 801.177 | 343.185 | 2398.689 | 8.877% | 62.046% | 145 | 0 | 0 | 3866.005 | 0% | 100% |
| 55 | 699.575 | 326.314 | 2725.002 | 8.441% | 70.786% | 150 | 0 | 0 | 3866.005 | 0% | 100% |
| 60 | 592.090 | 298.565 | 3023.567 | 7.723% | 78.209% | 155 | 0 | 0 | 3866.005 | 0% | 100% |
| 65 | 482.379 | 261.205 | 3284.772 | 6.756% | 84.965% | 160 | 0 | 0 | 3866.005 | 0% | 100% |
| 70 | 370.919 | 216.061 | 3500.833 | 5.589% | 90.554% | 165 | 0 | 0 | 3866.005 | 0% | 100% |
| 75 | 261.049 | 165.186 | 3666.019 | 4.273% | 94.827% | 170 | 0 | 0 | 3866.005 | 0% | 100% |
| 80 | 156.267 | 111.662 | 3777.681 | 2.888% | 97.715% | 175 | 0 | 0 | 3866.005 | 0% | 100% |
| 85 | 66.288 | 60.473 | 3838.155 | 1.564% | 99.279% | 180 | 0 | 0 | 3866.005 | 0% | 100% |
| 90 | 17.713 | 23 | 3866.005 | .595% | 99.874% | | | | | | |

| Height | Average Lux (Lx) | Light Range (Dia.) |
|---|---|---|
| 3′ | 654.3 | 10′ |
| 6′ | 180.1 | 20′ |
| 9′ | 80 | 30′ |
| 13′ | 45.1 | 40′ |
| 19′ | 19.9 | 60′ |



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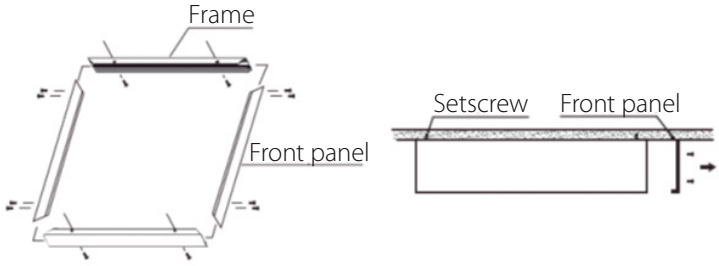
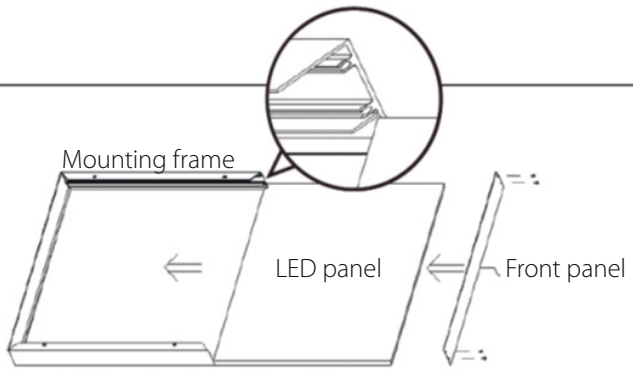
## FFP Series Installation Instructions

For all FFP Series Flat Panel Product

### Surface Mount Kit (ceiling)

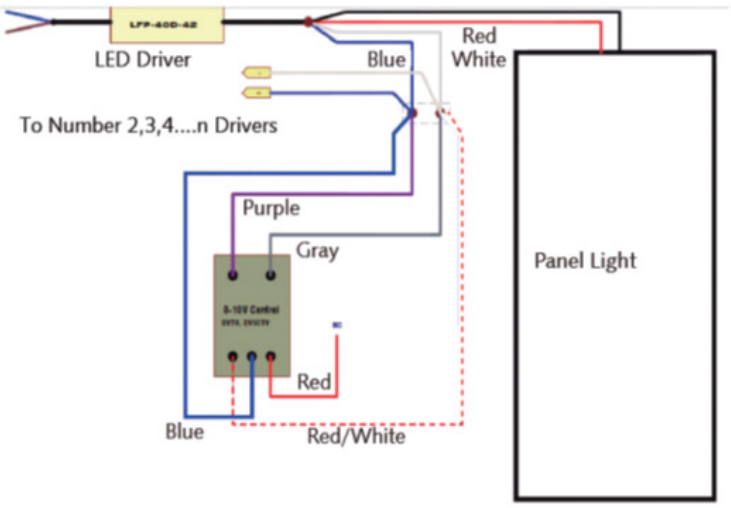


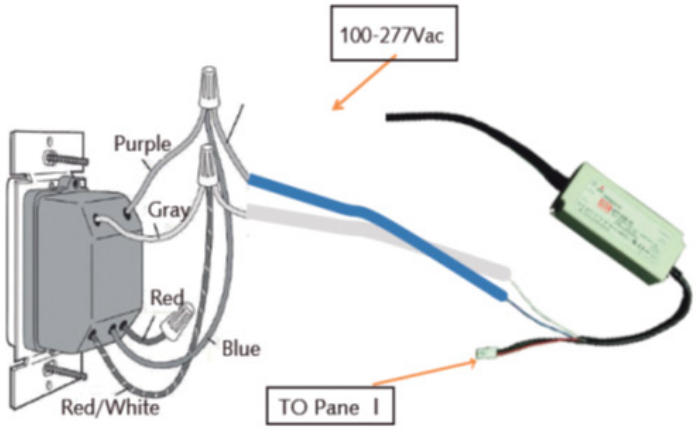

1) Dis-assemble the front panel of the mounting frame and mount the frame into ceiling by setscrew




2) Slide the LED panel into the mounting frame, then screw in the front panel

### Wiring Diagram



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