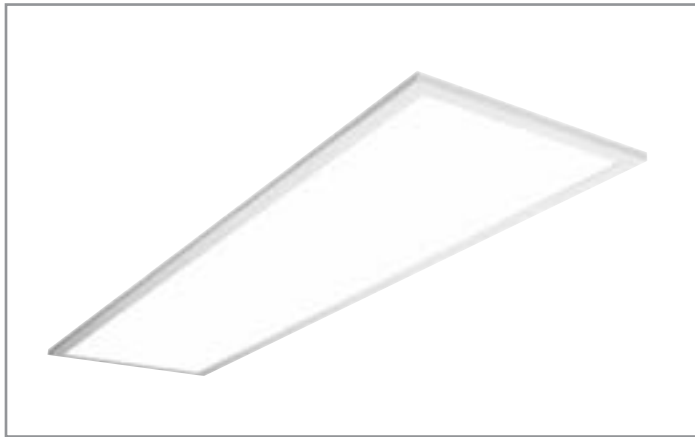


|             |  |           |  |      |  |
|-------------|--|-----------|--|------|--|
| Project     |  | Catalog # |  | Type |  |
| Prepared by |  | Notes     |  | Date |  |



## Fail-Safe

### FSP

Fail-Safe Sealed Panel  
Full Protective Clear Bottom Lens  
Healthcare/Sterile/Behavioral Health

#### Typical Applications

Food Processing • Pharmaceuticals • Healthcare • Behavioral health •  
Research Centers • Locker Rooms • Public Spaces • Restrooms

#### Interactive Menu

- Order Information page 2
- Photometric Data page 3
- Performance page 4
- Product Warranty

#### Product Certification



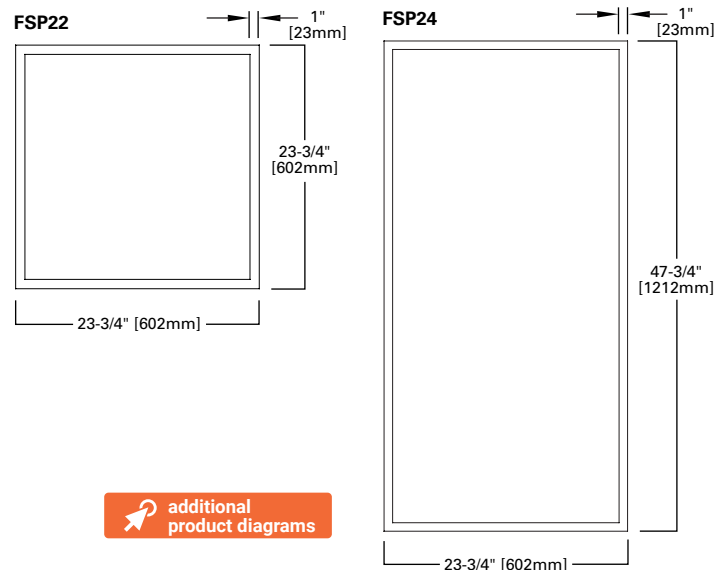
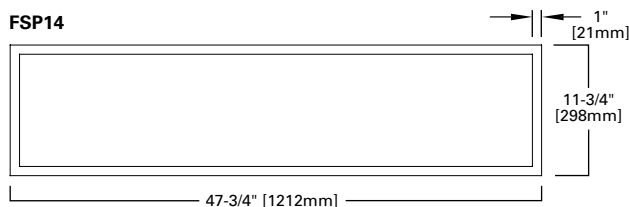
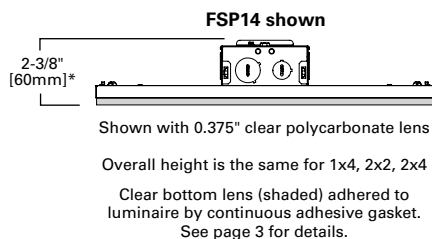
#### Product Features



#### Top Product Features

- Fully luminous luminaire for use in high abuse, medical, wet location, and sterile applications
- NSF listed for use in food service/food processing applications – easy cleaning and wipe-down
- Less than 2-1/2" deep for use in shallow plenums
- Clear polycarbonate bottom lens for use in **behavioral health** applications
- Wet location standard / IP65 and IP66 available for water and dust ingress protection
- ISO5-9 certified
- Rated up to 50°C ambient applications, standard
- IK10 with polycarbonate lens
- **10 day rapid ship available**

#### Dimensional and Mounting Details



additional  
product diagrams

## Order Information

SAMPLE ORDER NUMBER: **FSP-24-64-40-CP125**SAMPLE ORDER NUMBER: **FSP-22-32-35-CP250-HS**10 DAY RAPID SHIP SAMPLE ORDER NUMBER: **FSP-14-42-35-CA125-RS****"Shaded options denote 10 day rapid ship"**

| Domestic Preferences   | Fixture    | Size   | Output   | CCT   | Lens  | Options   |
|--|------------|--|--|---|---|---|
| Domestic Preferences <sup>(1)</sup>  | Fixture    | Size   | Output   | CCT <sup>(2)</sup>  | Lens  | Options   |
| <b>[Blank]</b> =Standard<br><b>BAA</b> =Buy American Act<br><b>TAA</b> =Trade Agreements Act   | <b>FSP</b> | <b>14</b> =1x4<br><b>22</b> =2x2<br><b>24</b> =2x4 | <b>1x4</b><br>26=2600 Lumens<br>42=4200 Lumens<br>30HE=3000 Lumens<br><b>2x2</b><br>21=2100 Lumens<br>25HE=2500 Lumens<br>32=3200 Lumens<br>42=4200 Lumens<br><b>2x4</b><br>31=3100 Lumens<br>38HE=3800 Lumens<br>47=4700 Lumens<br>64=6400 Lumens | <b>35</b> =3500K<br><b>40</b> =4000K<br><b>50</b> =5000K                          | <b>CA080</b> =Clear Acrylic (0.080" thickness)<br><b>CA125</b> =Clear Acrylic (0.125" thickness)<br><b>CP125</b> =Clear Polycarbonate (0.125" thickness)<br><b>CP187</b> =Clear Polycarbonate (0.187" thickness)<br><b>CP250</b> =Clear Polycarbonate (0.250" thickness)<br><b>CP375</b> =Clear Polycarbonate (0.375" thickness) <sup>(4)</sup> | <b>EL7W</b> =7-watt, 120V-277V emergency battery pack installed <sup>(5), (8)</sup><br><b>EL14W</b> =14-watt 120V-277V emergency battery pack installed <sup>(5), (8)</sup><br><b>IP65</b> =Installation Brackets for IP65 Rating <sup>(6)</sup><br><b>IP66</b> =Installation Brackets for IP66 Rating <sup>(6)</sup><br><b>HS</b> =High Security <sup>(7)</sup><br><b>A3/8-4/18GDIM</b> =6' length, 3/8" cable, 2 wire, 2 dimming leads, ground<br><b>A3/8-5/18GDIM</b> =6' length, 3/8" cable, 3 wire, 2 dimming leads, ground<br><b>RS</b> =10 day ship <sup>(9)</sup>   |
| <b>Notes</b><br>(1) Only product configurations with these designated prefixes are built to be compliant with the Buy American Act of 1933 (BAA) or Trade Agreements Act of 1979 (TAA), respectively. Please refer to <a href="#">DOMESTIC PREFERENCES</a> website for more information. Components shipped separately may be separately analyzed under domestic preference requirements |            |  |  | <b>Notes</b><br>(2) Check Performance table for available lumen/CCT combinations. | <b>Notes</b><br>(4) CP375 is not compatible with the FPEQ grid clips.   | <b>Notes</b><br>(5) With remote test switch/indicator/laser test. 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). IES-format photometry. Remote Test Switch is not WL, NSF, or IP rated. (6) IP66 standard with DFVR/FSP drywall kit. (7) HS only available with CP250 and CP375 lenses. HS option not compatible with IP65 or IP66 options. For hard ceiling application, specify the DFVR framing kit (see accessories for ordering logic). (8) EM pack is always specified before (to the left of) the flex. (9) 10 day ship from date of receipt of clean PO to ship date. 25 unit maximum per PO. RS is only available with shaded options. |

## Accessories

| Accessories <sup>(11)</sup>   |
|---|
| <b>FPEQ</b> =Set of mounting security clips for FSP to secure fixture to grid. Works with lenses up to 0.250" thick<br><b>DFCL-2448W-U*</b> =2' x 4' gasketed drywall framing kit. Ships with gasket to be applied in field. Cut out dimension 24.25" x 48.25" <sup>(9)</sup><br><b>DFCL-2424W-U*</b> =2' x 2' gasketed drywall framing kit. Ships with gasket to be applied in field. Cut out dimension 24.25" x 24.25" <sup>(9)</sup><br><b>DFCL-1248W-U*</b> =1' x 4' gasketed drywall framing kit, ships with gasket to be applied in field. Cut out dimension 12.25" x 48.25" <sup>(9)</sup><br><b>DFVR/FSP-2448W-U*</b> =2' x 4' vandal resistant gasketed drywall framing kit. Ships with gasket to be applied in field. Cut out dimension 24.25" x 48.25" <sup>(10)</sup><br><b>DFVR/FSP-2424W-U*</b> =2' x 2' vandal resistant gasketed drywall framing kit. Ships with gasket to be applied in field. Cut out dimension 24.25" x 24.25" <sup>(10)</sup><br><b>DFVR/FSP-1248W-U*</b> =1' x 4' vandal resistant gasketed drywall framing kit. Ships with gasket to be applied in field. Cut out dimension 12.25" x 48.25" <sup>(10)</sup> |
| <b>Notes</b><br>*For Antimicrobial matte white finish, replace the W with AMW. ex. DFCL-1248AMW-U.<br>(9) DFCL is used to install the FSP in hard ceiling applications. For applications requiring the FSP to be installed in a hard ceiling, the DFVR is required. (10) IP66 standard with DFVR/FSP drywall kit.<br>(11) Accessories sold separately will be separately analyzed under domestic preference requirements. Consult factory for further information.  |

## Product Specifications

## Construction

- Narrow aluminum extruded frame is tightly held to steel back plate
- Seamless corners to maximize the light emitting surface with a refined finish
- Full coverage bottom lens seals the fixture

## Mounting

- Integral grid locking clips and separate suspension clips provided for installation flexibility when additional retention is required
- Junction box constructed of galvanized steel with and easy access hinged door
- Trade size knockouts provided
- Luminaire is less than 2" depth with CA08 acrylic lens
- Optional drywall kit for installation in hard-lid for wet location or vandal resistant applications

## Controls

- Standard UNV 120 - 277V driver with 0-10V dimming to 10% standard

## Electrical

- Standard and High Efficacy models available
- LED's available in 3000K, 3500K, 4000K, and 5000K with a minimum of 80 CRI
- Projected lumen maintenance based on TM21 testing standards is L70 > 60,000 hours
- Emergency battery pack options available, 7W and 14W

## Gasketing

- High strength double-sided adhesive lens gasket firmly secures and seals the bottom lens to the luminaire
- Closed cell gasket seals between fixture and T-grid

## Optical Shielding

- Acrylic light guide with specialized features to optimize light extraction
- Frost lens with smooth pattern for uniform illumination
- Clear acrylic or polycarbonate bottom lens to protect fixture from water or impact

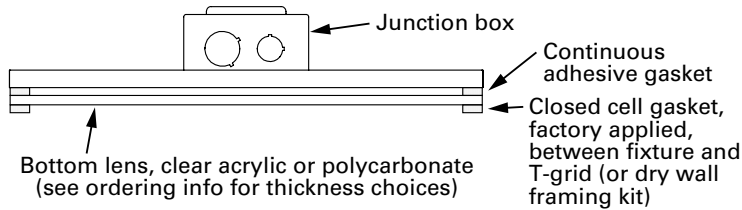
## Compliance

- Indoor luminaire, cULus listed for **50°C** ambient environments. IC rated for direct insulation contact
- RoHS compliant. UL Wet Location Listed
- NSF rated; Splash, Non-Food Zone - which is a typical rating for lighting equipment not subjected to direct food contact. (e.g. ceiling mount luminaires). Examples of equipment subjected to direct food contact would be cutting boards, work-tables, mixers, can-openers, other)
- ISO5-9 certified
- IP65/IP66 Optional
- IK10 tested - Polycarbonate Lens

## Warranty

- Five year warranty on LEDs and electricals

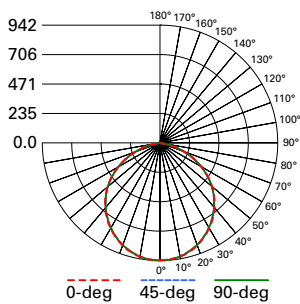
## FSP Cross-section (typical)



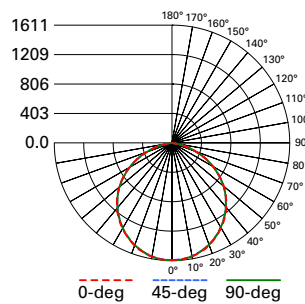
\*1x4 shown but same seal method applies for 2x2 and 2x4

## Photometric Data

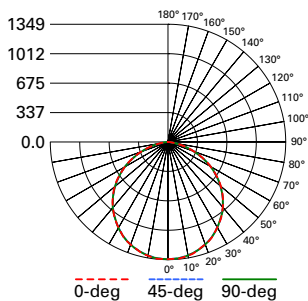
[View IES files](#)



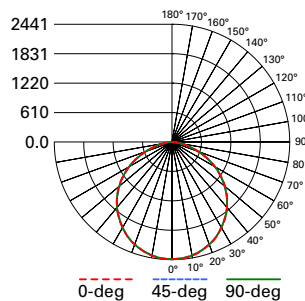
**FSP-22-25HE-35-CA08**  
 Electronic Driver  
 Linear LED 3500K  
 Spacing criterion: (II) 1.25 x mounting height, (L) 1.24 x mounting height  
 Lumens: 2552  
 Input Watts: 19.6W  
 Efficacy: 130.2 LPW  
 Test Report: FSP-22-25HE-35-CA08. IES



**FSP-22-42-40-CA08**  
 Electronic Driver  
 Linear LED 4000K  
 Spacing criterion: (II) 1.25 x mounting height, (L) 1.24 x mounting height  
 Lumens: 4366  
 Input Watts: 38.3W  
 Efficacy: 114.0 LPW  
 Test Report: FSP-22-42-40-CA08. IES



**FSP-24-38HE-40-CA08**  
 Electronic Driver  
 Linear LED 4000K  
 Spacing criterion: (II) 1.25 x mounting height, (L) 1.25 x mounting height  
 Lumens: 3696  
 Input Watts: 28.9W  
 Efficacy: 127.9 LPW  
 Test Report: FSP-24-38HE-40-CA08. IES



**FSP-24-64-40-CA08**  
 Electronic Driver  
 Linear LED 4000K  
 Spacing criterion: (II) 1.25 x mounting height, (L) 1.25 x mounting height  
 Lumens: 6687  
 Input Watts: 62.2W  
 Efficacy: 107.5 LPW  
 Test Report: FSP-24-64-40-CA08. IES

## Performance

| Size | Catalog Fail-Safe     | Watts | CA08 | LPW   | CA125  | LPW   | CP125 | LPW   | CP187 | LPW   | CP250 | LPW   | CP250 | LPW   |
|------|-----------------------|-------|------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1x4  | FSP-14-26-30-XXXXXX   | 25.5  | 2790 | 109.4 | 2798.9 | 109.8 | 2748  | 107.8 | 2648  | 103.9 | 2627  | 103.0 | 2463  | 96.6  |
|      | FSP-14-26-35-XXXXXX   | 25.5  | 3100 | 121.6 | 3109   | 121.9 | 3053  | 119.7 | 2942  | 115.4 | 2918  | 114.4 | 2736  | 107.3 |
|      | FSP-14-26-40-XXXXXX   | 25.5  | 3106 | 121.8 | 3115   | 122.2 | 3059  | 119.9 | 2948  | 115.6 | 2924  | 114.7 | 2742  | 107.5 |
|      | FSP-14-30HE-35-XXXXXX | 24.5  | 3090 | 126.3 | 3099   | 126.6 | 3043  | 124.3 | 2932  | 119.8 | 2908  | 118.8 | 2727  | 111.4 |
|      | FSP-14-30HE-40-XXXXXX | 24.5  | 3106 | 126.8 | 3115   | 127.2 | 3059  | 124.8 | 2948  | 120.3 | 2924  | 119.3 | 2742  | 111.9 |
|      | FSP-14-42-35-XXXXXX   | 38.3  | 4165 | 108.7 | 4178   | 109.1 | 4101  | 107.1 | 3953  | 103.2 | 3921  | 102.4 | 3676  | 96.0  |
|      | FSP-14-42-40-XXXXXX   | 38.3  | 4133 | 107.9 | 4145   | 108.2 | 4070  | 106.3 | 3922  | 102.4 | 3890  | 101.6 | 3648  | 95.2  |
|      | FSP-14-42-50-XXXXXX   | 38.3  | 4224 | 110.2 | 4237   | 110.5 | 4160  | 108.5 | 4010  | 104.6 | 3977  | 103.7 | 3729  | 97.3  |
| 2x2  | FSP-22-21-30-XXXXXX   | 20.7  | 2311 | 111.6 | 2318   | 112   | 2276  | 110   | 2193  | 106   | 2175  | 105.1 | 2040  | 98.5  |
|      | FSP-22-21-35-XXXXXX   | 20.7  | 2383 | 115.1 | 2391   | 115   | 2347  | 113   | 2262  | 109   | 2243  | 108.4 | 2104  | 101.6 |
|      | FSP-22-21-40-XXXXXX   | 20.6  | 2567 | 124.6 | 2575   | 125   | 2528  | 123   | 2437  | 118   | 2417  | 117.3 | 2266  | 110.0 |
|      | FSP-22-25HE-35-XXXXXX | 19.6  | 2552 | 130.2 | 2560   | 131   | 2513  | 128   | 2422  | 124   | 2402  | 122.6 | 2253  | 114.9 |
|      | FSP-22-25HE-40-XXXXXX | 19.6  | 2339 | 119.3 | 2346   | 120   | 2304  | 118   | 2220  | 113   | 2202  | 112.3 | 2065  | 105.3 |
|      | FSP-22-32-35-XXXXXX   | 28.8  | 3234 | 112.2 | 3244   | 113   | 3185  | 111   | 3069  | 107   | 3044  | 105.6 | 2855  | 99.0  |
|      | FSP-22-32-40-XXXXXX   | 29.2  | 3259 | 111.6 | 3270   | 112   | 3210  | 110   | 3094  | 106   | 3068  | 105.1 | 2877  | 98.5  |
|      | FSP-22-32-50-XXXXXX   | 30.0  | 3257 | 108.6 | 3267   | 109   | 3208  | 107   | 3092  | 103   | 3066  | 102.2 | 2875  | 95.8  |
|      | FSP-22-42-35-XXXXXX   | 38.8  | 4234 | 109.1 | 4247   | 109   | 4170  | 107   | 4019  | 104   | 3986  | 102.7 | 3738  | 96.3  |
|      | FSP-22-42-40-XXXXXX   | 38.3  | 4366 | 114.1 | 4380   | 114   | 4300  | 112   | 4144  | 108   | 4110  | 107.4 | 3854  | 100.7 |
|      | FSP-22-42-50-XXXXXX   | 38.3  | 4471 | 116.8 | 4485   | 117   | 4403  | 115   | 4244  | 111   | 4209  | 109.9 | 3947  | 103.1 |
| 2x4  | FSP-24-31-30-XXXXXX   | 28.6  | 3396 | 118.9 | 3407   | 119.3 | 3345  | 117.1 | 3224  | 112.9 | 3197  | 111.9 | 2998  | 105.0 |
|      | FSP-24-31-35-XXXXXX   | 29.3  | 3657 | 124.6 | 3669   | 125.0 | 3602  | 122.7 | 3472  | 118.3 | 3443  | 117.3 | 3229  | 110.0 |
|      | FSP-24-31-40-XXXXXX   | 29.4  | 3714 | 126.1 | 3725   | 126.5 | 3657  | 124.2 | 3525  | 119.7 | 3496  | 118.7 | 3278  | 111.4 |
|      | FSP-24-38HE-35-XXXXXX | 28.5  | 3764 | 132.1 | 3775   | 132.5 | 3707  | 130.1 | 3572  | 125.4 | 3543  | 124.4 | 3322  | 116.6 |
|      | FSP-24-38HE-40-XXXXXX | 28.9  | 3696 | 128.1 | 3708   | 128.5 | 3640  | 126.2 | 3508  | 121.6 | 3480  | 120.6 | 3263  | 113.1 |
|      | FSP-24-47-35-XXXXXX   | 41.4  | 4608 | 111.3 | 4622   | 111.7 | 4538  | 109.6 | 4373  | 105.7 | 4337  | 104.8 | 4067  | 98.3  |
|      | FSP-24-47-40-XXXXXX   | 41.4  | 4581 | 110.7 | 4595   | 111.0 | 4512  | 109.0 | 4348  | 105.0 | 4313  | 104.2 | 4044  | 97.7  |
|      | FSP-24-47-50-XXXXXX   | 41.4  | 4556 | 110.0 | 4570   | 110.4 | 4487  | 108.4 | 4324  | 104.5 | 4289  | 103.6 | 4022  | 97.1  |
|      | FSP-24-64-35-XXXXXX   | 60.3  | 6260 | 103.8 | 6280   | 104.1 | 6165  | 102.2 | 5942  | 98.5  | 5893  | 97.7  | 5526  | 91.6  |
|      | FSP-24-64-40-XXXXXX   | 62.2  | 6687 | 107.5 | 6707   | 107.9 | 6585  | 105.9 | 6347  | 102.1 | 6295  | 101.2 | 5903  | 94.9  |
|      | FSP-24-64-50-XXXXXX   | 61.5  | 6336 | 103.0 | 6355   | 103.3 | 6239  | 101.4 | 6013  | 97.8  | 5964  | 97.0  | 5593  | 90.9  |