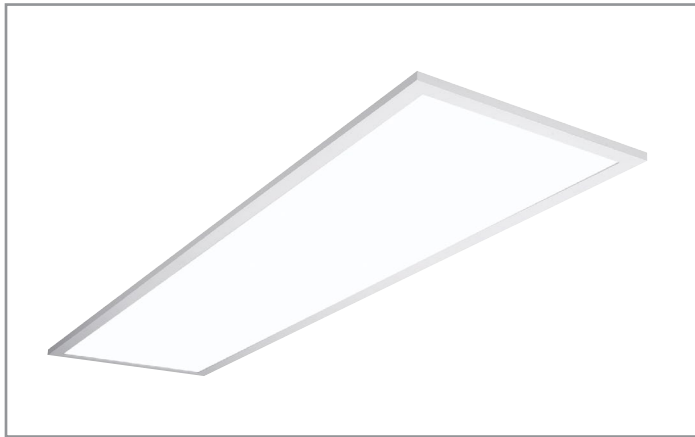


Project		Catalog #		Type	
Prepared by		Notes		Date	



Fail-Safe

FSP LED

Shallow Plenum 1' x 4', 2' x 2', 2' x 4'

Sealed LED Troffer

Typical Applications

Food Processing • Pharmaceuticals • Chemical Processing • Healthcare • Behavioral health

Interactive Menu

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

Product Certification



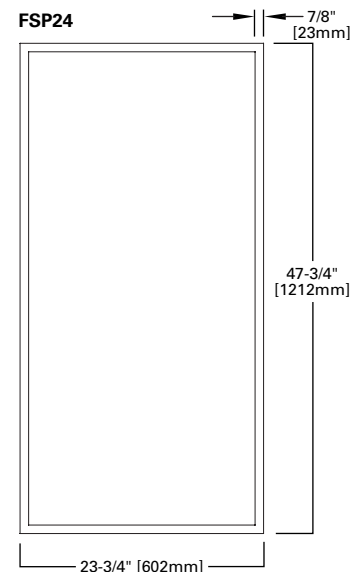
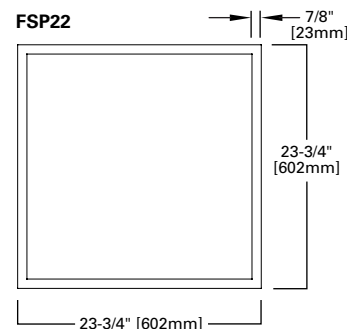
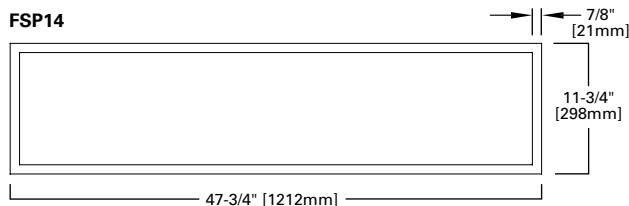
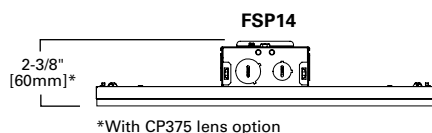
Product Features



Top Product Features

- Fully luminous luminaire designed for high abuse, medical, and hosedown applications
- Fully luminous, shallow plenum design
- Multiple sizes, orientations, and lumen packages
- Wet location standard / IP65 and IP66 available
- Tamperproof design

Dimensional and Mounting Details



Order Information

SAMPLE ORDER NUMBER: **FSP-24-64-40-CP125**

Fixture	Size	Output			CCT	Lens	Options
Fixture	Size	Output			CCT ⁽¹⁾	Lens	Options
FSP	14=1x4 22=2x2 24=2x4	1x4 26=2600 Lumens 42=4200 Lumens 30HE=3000 Lumens	2x2 21=2100 Lumens 25HE=2500 Lumens 32=3200 Lumens 42=4200 Lumens	2x4 31=3100 Lumens 38HE=3800 Lumens 47=4700 Lumens 64=6400 Lumens	30=3000K 35=3500K 40=4000K 50=5000K	CA080= Clear Acrylic (0.080" thickness) CP125=Clear Polycarbonate (0.125" thickness) CA125=Clear Acrylic (0.125" thickness) CP187=Clear Polycarbonate (0.187" thickness) CP250=Clear Polycarbonate (0.250" thickness) CP375=Clear Polycarbonate (0.375" thickness) ⁽⁴⁾	EL7W=7-watt, 120V-277V emergency battery pack installed ⁽²⁾ EL14W=14-watt 120V-277V emergency battery pack installed ⁽²⁾ IP65=Installation Brackets for IP65 Rating IP66=Installation Brackets for IP66 Rating
					Notes (1) Check Performance table for available lumen/CCT combinations.	Notes (4) CP375 is not compatible with the FPEQ grid clips.	Notes (2) 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.

Accessories

Accessories
FPEQ=Set of mounting security clips for FSP to secure fixture to grid. Works with lenses up to 0.250" thick DFCL-2448W-U=2' x 4' gasketed drywall framing kit. Ships with gasket to be applied in field. Cut out dimension 24.25" x 48.25" ⁽³⁾ DFCL-2424W-U=2' x 2' gasketed drywall framing kit. Ships with gasket to be applied in field. Cut out dimension 24.25" x 24.25" ⁽³⁾ DFCL-1248W-U=1' x 4' gasketed drywall framing kit, ships with gasket to be applied in field. Cut out dimension 12.25" x 48.25" ⁽³⁾ DFVR/FSP-2448W-U=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" DFVR/FSP-2424W-U=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" DFVR/FSP-1248W-U=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"
Notes (3) 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.

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
- 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 code gauge galvanized steel with and easy access hinged door
- Trade size knockouts provided
- Stock luminaire is less than 2" thick with CA08 acrylic lens
- Optional drywall kit for installation in sheetrock for wet location or vandal resistant applications

Controls

- Standard UNV 120 - 277V driver with 0-10V dimming to 10% standard
- Compatible with field installed wireless controls available for either Wavelinx or LumaWatt Pro

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 > 158,000 hours
- Emergency battery pack options available in 7W and 14W options

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
- White frost lens with smooth pattern for uniform illumination
- Scratch and impact resistant
- Clear acrylic or polycarbonate bottom lens to protect fixture from water or impact

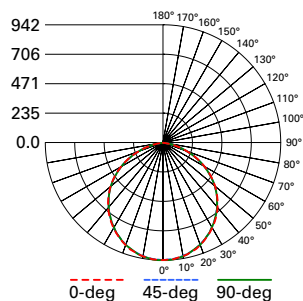
Compliance

- Indoor luminaires are cULus listed for 25C ambient environments
- IC rated for direct insulation contact
- RoHS compliant
- UL Wet Location Listed, NSF, ISO5 cleanroom, IP65/IP66 Optional

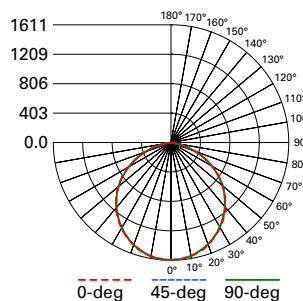
Warranty

- Five year warranty

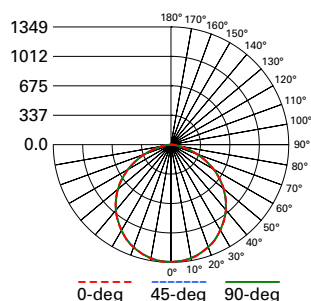
Photometric Data

[View IES files](#)
**FSP-22-25HE-35-CA08**

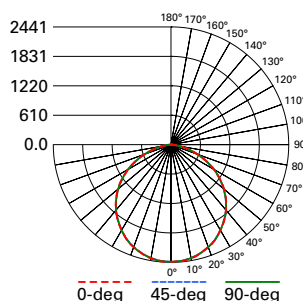
Electronic Driver
 Linear LED 3500K
 Spacing criterion: (II) 1.25 x mounting height, ($\perp$) 1.24 x mounting height
 Lumens: 2552
 Input Watts: 19.6W
 Efficacy: 130.2 LPW
 Test Report: FSP-22-25HE-35-CA08.IES

**FSP-22-42-40-CA08**

Electronic Driver
 Linear LED 4000K
 Spacing criterion: (II) 1.25 x mounting height, ($\perp$) 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, ($\perp$) 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, ($\perp$) 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