

DESCRIPTION

FPanel LED panel series provide premium performance and pleasing aesthetics. It is optimized for shallow plenum grid ceilings or surface mounting. Developed with Eaton's latest generation of solid state components and electronic driver technologies, these panels are ideal for new construction and to replace fluorescent troffers. Its refined visual optics and integrated grid retention clips provide the features needed for speed and installation flexibility. LED FPanel are an excellent lighting solution for commercial office spaces, schools, healthcare and retail merchandising areas.

SPECIFICATION FEATURES

Construction/Mounting

Narrow aluminum bezel is tightly held to code gauge steel back plate to protect the LEDs and optical area. Corners are seamless with a narrow flange to provide a refined finish and maximize the light emitting surface. Integral grid locking clips and separate suspension clips are included on the panel to ensure installation flexibility in ceiling systems and to meet code when additional retention is required. Junction box is constructed of code gage galvanized steel with an easy access hinged door for high voltage and low voltage wiring access and includes trade size knockouts. The luminaire is less than 2 inches in depth making it an ideal choice for shallow plenums and low ceilings. May also be surface mounted using the optional kit.

Controls

The FPanel is standard with a 0-10V continuous dimming driver which dims to 10% and works with most standard 0-10V control/dimmer. Combine with energy-saving products like wall dimmers, Room Controller, occupancy and daylight sensors, and lighting relay panels. Or, go wireless with optional field installed controls for either WaveLinX or LumaWatt Pro.

Electrical

Long-Life LED system coupled with electrical driver to deliver optimal performance. LED's available in 3500K, 4000K and 5000K with a minimum of 80 CRI and a 90 CRI option that is 3000K. Projected lumen maintenance based on TM21 is L73 > 60,000 hours. Electronic drivers are cULus recognized and available for 120-277V. Emergency battery pack options are available in 7 watts and 14 watts. These emergency battery packs meet critical life-safety lighting requirements and are sold separately for field installation and remote mounting.

Optical Shielding

Light guide is constructed of acrylic with specialized features to optimize light extraction providing excellent efficiency. White frost lens with smooth pattern provides uniform illumination as well as scratch and impact resistance.

Compliance

Constructed of UL recognized components these indoor luminaires are cULus listed for 25°C ambient environments, IC rated for direct insulation contact, RoHS compliant, damp location listed, and comply with IESNA LM-79 and LM-80 standards. NEMA 410 Compliant. DesignLights Consortium® Qualified and classified for DLC Standard, refer to www.designlights.org for details.

Warranty

Five year warranty.



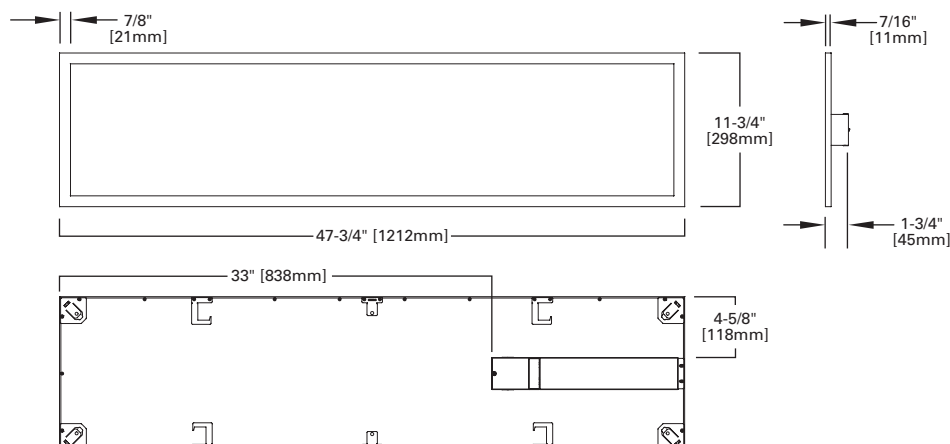
**14FP
LED**

1' X 4' LED PANEL

General LED Panel.
Recessed in Insulated
Ceilings or Surface Mount

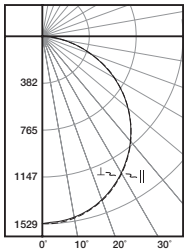


DIMENSIONS



LOAD DATA

Thd	11%
Power Factor	0.96
Weight	9.8 lbs.
Low Temp. Start	-20°C

**14FP4240C**

Electronic Driver
Linear LED 4000K
Spacing criterion:
(||) 1.26 x mounting
height, (⊥) 1.25 x
mounting height
Lumens: 4388.7
Input Watts: 39.2W
Efficacy: 112.0 lm/W
Test Report:
14FP4240C.IES

Candlepower

Angle	Along	45°	Across ⊥
0	1526	1526	1526
5	1525	1521	1515
10	1505	1501	1497
15	1471	1468	1465
20	1425	1422	1418
25	1365	1363	1358
30	1294	1294	1288
35	1212	1213	1207
40	1122	1125	1118
45	1022	1026	1019
50	914	920	913
55	802	803	798
60	683	682	678
65	559	553	550
70	425	422	422
75	296	295	295
80	173	174	178
85	72	74	77
90	0	0	0

Coefficients of Utilization

rc rw RCR	Effective floor cavity reflectance												20%											
	80%				70%				50%				30%				10%				0%			
	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100	100	100	100	100
1	109	104	99	96	106	102	98	94	97	94	91	93	91	88	90	88	86	83	83	83	83	83	83	83
2	99	90	83	78	96	88	82	77	85	80	75	82	77	73	79	75	72	69	69	69	69	69	69	69
3	90	79	71	64	87	78	70	64	75	68	63	72	66	62	69	65	60	58	58	58	58	58	58	58
4	82	70	61	54	80	69	60	54	66	59	53	64	58	53	62	56	52	50	50	50	50	50	50	50
5	76	63	53	47	73	61	53	47	59	52	46	57	51	45	55	50	45	43	43	43	43	43	43	43
6	70	56	47	41	68	55	47	41	54	46	40	52	45	40	50	44	40	37	37	37	37	37	37	37
7	65	51	42	36	63	50	42	36	49	41	36	47	40	35	46	40	35	33	33	33	33	33	33	33
8	60	47	38	32	59	46	38	32	44	37	32	43	36	32	42	36	31	29	29	29	29	29	29	29
9	56	43	34	29	55	42	34	29	41	34	29	40	33	28	39	33	28	26	26	26	26	26	26	26
10	53	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	26	24	24	24	24	24	24	24

Zonal Lumen Summary

Zone	Lumens	% Fixture
0-30	1186.5	27.0
0-40	1943.4	44.3
0-60	3445.8	78.5
0-90	4388.7	100.0
0-180	4388.7	100.0

Luminance Data

Angle in Deg	Average 0-Deg cd/sm	Average 45-Deg cd/sm	Average 90-Deg cd/sm
45	3889	3905	3878
55	3763	3767	3744
65	3559	3521	3502
75	3078	3067	3067
85	2223	2285	2377

ORDERING INFORMATION/PERFORMANCE

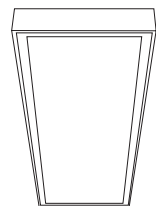
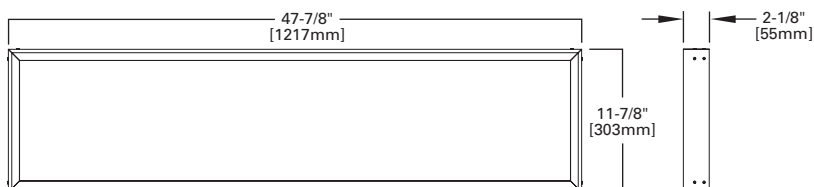
Catalog	UPC	CCT	CRI (Min)	Delivered Nominal Lumens	Watts	Efficacy (lm/W)	Input Current (A)	
							120V	277V
14FP4235C	080083801800	3500K	80	4451	38.5	116	.34	.15
14FP4240C	080083801763	4000K	80	4389	39.2	112		
14FP4250C	080083801787	5000K	80	4521	38.9	116		
14FP3830C9*	080083801824	3000K	90	3648	38.9	94		

*May have extended lead-times.

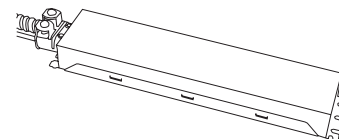
**Stock available October/November 2017. Check FLASH for availability.

ACCESSORIES/ORDERING INFORMATION**SURFACE MOUNT KIT****

Catalog	UPC
FPSURF14	080083802708

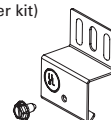
**EMERGENCY BATTERY**

Catalog	UPC	Watts
EBPLED7W	080083832265	7
EBPLED14W	080083832272	14

**CEILING RETENTION****

Catalog	UPC
FPEQ	080083802685

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

**DRYWALL FRAME KIT**

Catalog	UPC
DF-14W-U	662401232949

SHIPPING DATA

Size	Wt.	Pallet (49" x 53")
1' x 4'	12 lbs.	51