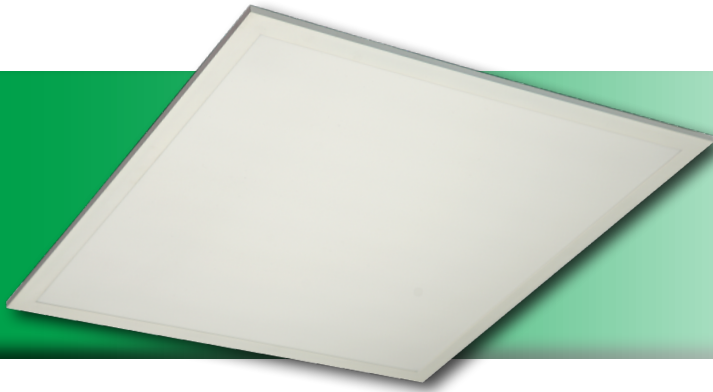




Project: _____
 Location: _____
 Cat. #: _____
 Type: _____
 Quantity: _____

LED

FPB | LED Backlit Flat Panel

Features:

- High performance LED technology
- 0-10V dimming drivers standard
- State-of-the-art backlit LED technology
- Available in 2x2, 2x4, and 1x4 configurations
- Uniform illumination with no visible LED pixilation
- Recessed in grid ceilings with integral clips for secure attachment. Surface mount and suspension cable mount kits available

Applications:

Suitable for most commercial and institutional applications

- Office
- Retail
- Classrooms
- Healthcare Facilities



Construction:

- Aluminum frame in white finish
- Steel die-formed back enclosure
- PMMA lensing over LEDs - will not discolor over time

Certifications:

- cULus listed for US and Canada, suitable for damp locations
- IC-rated for insulated ceilings
- RoHS, FCC



Predicted L70 Lifetime:

- >60,000 hrs (reported)
- 89% lumen maintenance @ 60,000 hrs (based on LM-80, TM-21 and in-situ laboratory testing)

Ambient Operating Temp:

- -20°C to 40°C

Warranty:

- 5 year limited system warranty - see www.LumenFocus.com for complete warranty terms and conditions



Ordering Guide:

example: FPB 24 MD UV FR 835

Series	Size	Output	Voltage	Shielding	CRI/CCT	Option
FPB			UV	FR		
FPB	22 2' x 2'	LW Low (2x2 Only)	UV 120-277	FR Frosted Acrylic Lens	835 80 CRI/3500K	Blank No Options
		MD Medium			840 80 CRI/4000K	EM1 Emergency Pack (Not Available For All, See Note Below) ¹
	24 2' x 4'	MD Medium			850 80 CRI/5000K (Not Available in 2x2 LW or 1x4 MD)	
	14 1' x 4'	MD Medium				

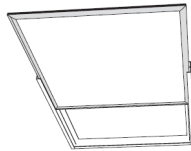
Notes

⁽¹⁾ Emergency Pack selectable: 10W for ≥100 minutes or 12W for ≥90 minutes (120-277V / 0°C-50°C ambient). Only available in 2x2 MD and 2x4 MD and HI options, in 840 and 850 CCTs.

Mounting Accessories (order separately)

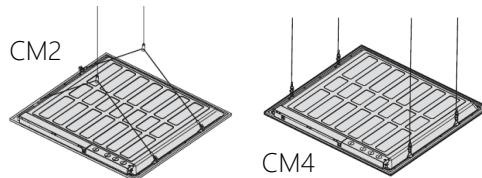
Surface Mount Kits

SMK14 Surface Mount Kit for 1x4, white finish
SMK22 Surface Mount Kit for 2x2, white finish
SMK24 Surface Mount Kit for 2x4, white finish



Frame-In Kits

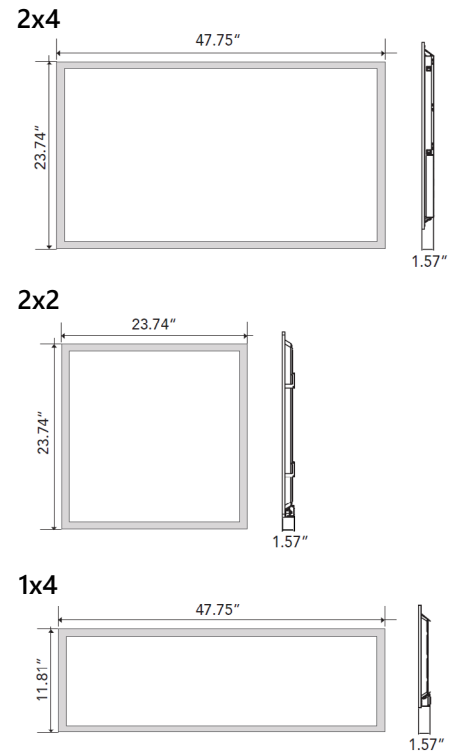
FIK14 Frame-In Kit for 1x4
FIK22 Frame-In Kit for 2x2
FIK24 Frame-In Kit for 2x4



Suspension Cable Mount Kits

CM2 2-Cable Kit
CM4 4-Cable Kit

Schematic:



Performance Chart:

Catalog #	Watts	Lumens (835)	LPW (835)	Lumens (840)	LPW (840)	Lumens (850)	LPW (850)
FPB 22 LW UV FR 8xx	30	3750	125	3825	127.5	N/A	N/A
FPB 22 MD UV FR 8xx	36	4500	125	4590	127.5	4590	127.5
FPB 24 MD UV FR 8xx	40	5000	125	5100	127.5	5100	127.5
FPB 24 HI UV FR 8xx	50	6250	125	6375	127.5	6375	127.5
FPB 14 MD UV FR 8xx	30	3750	125	3825	127.5	N/A	N/A



Photometric Data:

FPB 24 MD UV FR 840

Test No.: 20191025

Luminaire Lumens: 5,091 lm

Luminaire Watts: 39.7W

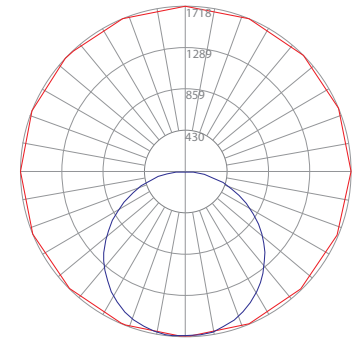
Efficacy: 128.2 LPW

Spacing Criterion (0-180): 1.28

Spacing Criterion (90-270): 1.28

Luminance Data (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	2335	2361	2368
55	2237	2272	2296
65	2093	2140	2183
75	1848	1913	2009
85	1290	1372	1603



— Vert. Plane
— Horiz. Cone

Zonal Lumen Summary

Zone	Lumens	%Fixt
0-20	630.35	12.40
0-30	1344.15	26.40
0-40	2211.72	43.40
0-60	3946.58	77.50
0-80	4972.47	97.70
0-90	5086.39	99.90
90-120	2.73	0.10
90-130	3.16	0.10
90-150	3.79	0.10
90-180	4.27	0.10
0-180	5090.66	100.00

Coefficients Of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance 0.20

RC	80				70				50				30			
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106		
1	108	103	99	95	106	101	97	93	97	94	91	93	90	88		
2	98	90	83	77	96	88	82	76	84	79	74	81	77	73		
3	89	79	70	64	87	77	69	63	74	67	62	71	66	61		
4	82	70	61	54	79	68	60	53	66	58	53	63	57	52		
5	75	62	53	46	73	61	52	46	59	51	45	57	50	45		
6	69	56	47	40	67	55	46	40	53	45	40	51	44	39		
7	64	51	42	35	63	50	41	35	48	41	35	47	40	35		
8	60	46	37	32	58	45	37	31	44	37	31	43	36	31		
9	56	42	34	28	54	42	34	28	40	33	28	39	33	28		
10	52	39	31	26	51	38	31	26	37	30	25	36	30	25		

Tested in accordance with IES standards utilizing absolute photometry per LM-79-08

