

FPL

Flat Panel, Grid Mount Luminaire



MECHANICAL

- Narrow frame with large light emitting surface
- Wiring compartment for fast installation
- Integral grid clips and auxiliary suspension points

OPTICAL

- Full panel diffusion and uniformity

WARRANTY

- Five year limited warranty

ELECTRICAL

- 120-277 VAC, 50/60 Hz
- 0-10V Dimming is standard

LIGHT ENGINE

- Universal Lighting Technologies EVERLINE® LED Driver

CERTIFICATIONS

- ETL Certified for US & Canada application
- Select models (identified below) are DesignLights Consortium® Premium qualified.

Please visit www.designlights.org/qpl/en/saved/UBU24XJ

ORDERING GUIDE

EXAMPLE: FPL24-50W840-UB2

Ordering Information

Series	Format	-	Input Power	W	CRI	Color Temp.	-	Voltage	Packaging Options
FPL = Flat Panel Recessed Luminaire for T-Bar Ceiling Grids	22 = 2ft x 2ft	-	28 = 28 watts 40 = 40 watts	W	8 = 80 (min.)	35 = 3500K 40 = 4000K 50 = 5000K	-	U = 120-277 VAC 50/60 Hz	(Blank) = Unit Pack B2 = 2-Pack (FPL24 only) B4 = 4-Pack (FPL22 only) SPK = Courier Pack
	24 = 2ft x 4ft	-	36 = 36 watts 50 = 50 watts						

PERFORMANCE DATA

EXAMPLE: FPL24-50W840-UB2

Format	Watts		Delivered Lumens	LPW	Input Amps		PF	ThD
	Nom.	Meas.			120V	277V		
2x2	28	26.7	3330	125	0.22	0.10	> 0.90	< 20%
	40	38.1	4863	128	0.34	0.14	> 0.90	< 20%
2x4	36	33.1	4429	134	0.28	0.12	> 0.90	< 20%
	50	49.0	6263	128	0.41	0.18	> 0.90	< 20%

LUMEN MAINTENANCE

Reported per TM-21	L70 > 54,000 Hrs
	L90 > 54,000 Hrs

PERFORMANCE NOTES:

- Performance data provided at 25°C for 3500K CCT; multiply lumens and LPW by 1.01 for 4000K and by 1.02 for 5000K.
- Specifications subject to change without notice
- Consult factory for photometry

DESIGNLIGHTS CONSORTIUM® QPL LISTED PRODUCTS

Model Number	Model Number
FPL22-28W835-U	FPL24-36W835-U
FPL22-28W840-U	FPL24-36W840-U
FPL22-28W850-U	FPL24-36W850-U
FPL22-40W835-U	FPL24-50W835-U
FPL22-40W840-U	FPL24-50W840-U
FPL22-40W850-U	FPL24-50W850-U



DIMENSIONS (in)

PRODUCT ENVELOPE (in)				
Format	L	W	H	Wt (lb)
2x2 ft	23.82	23.82	1.80	7.9
2x4 ft	47.83	23.82	1.80	16.1

Nominal Dimensions

SINGLE-PACK (-U) DIMENSIONS (in)					
Format	PCS	L	W	H	lb
2x2 ft	1	26.25	25.375	2.625	9.2
2x4 ft	1	50.125	25.375	2.625	17.6

Nominal Dimensions

MULTI-PACK (-UB2/-UB4) DIMENSIONS (in)					
Format	PCS	L	W	H	lb
2x2 ft	4	25.00	25.59	6.30	34.4
2x4 ft	2	49.02	25.79	3.54	34.8

Nominal Dimensions

PHOTOMETRIC DATA

LUMINANCE (cd/m ²)			
Vert Angle	At 0° Horiz	At 45° Horiz	At 90° Horiz

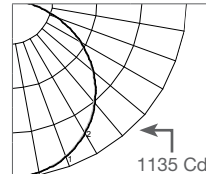
FPL22-28W835-U

45°	3,097	3,123	3,124
55°	3,020	3,049	3,040
65°	2,890	2,911	2,887
75°	2,668	2,683	2,624
85°	2,412	2,369	2,207

ZONAL LUMENS		
Zone	Lumens	% Fixture

0-20	416	12.5%
0-40	1,455	43.7%
0-60	2,591	77.8%
0-90	3,329	100.0%
0-180	3,330	100.0%

CANDELA PLOT	
Angles	10°



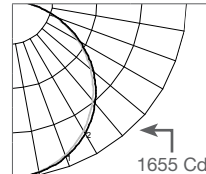
SPACING CRITERIA	
And Efficacy Values	

Along	1.28
Across	1.30
Lumens	3,330
Watts	26.7
Lm/W	125.0

FPL22-40W835-U

45°	4,417	4,489	4,557
55°	4,283	4,357	4,428
65°	4,070	4,136	4,200
75°	3,714	3,763	3,836
85°	3,173	3,181	3,200

0-20	606	12.5%
0-40	2,122	43.6%
0-60	3,780	77.7%
0-90	4,862	100.0%
0-180	4,863	100.0%

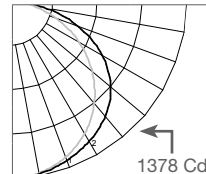


Along	1.28
Across	1.30
Lumens	4,863
Watts	38.1
Lm/W	128.0

FPL24-36W835-U

45°	1,855	2,006	2,180
55°	1,800	2,013	2,288
65°	1,703	1,973	2,351
75°	1,536	1,841	2,321
85°	1,253	1,559	2,126

0-20	509	11.5%
0-40	1,822	41.1%
0-60	3,353	75.7%
0-90	4,426	99.9%
0-180	4,429	100.0%

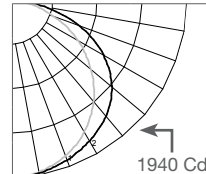


Along	1.28
Across	1.38
Lumens	4,429
Watts	33.1
Lm/W	134.0

FPL24-50W835-U

45°	2,588	2,826	3,095
55°	2,497	2,832	3,260
65°	2,339	2,767	3,362
75°	2,065	2,558	3,312
85°	1,532	2,056	3,010

0-20	717	11.4%
0-40	2,568	41.0%
0-60	4,734	75.6%
0-90	6,259	99.9%
0-180	6,263	100.0%



Along	1.28
Across	1.38
Lumens	6,263
Watts	49.0
Lm/W	128.0