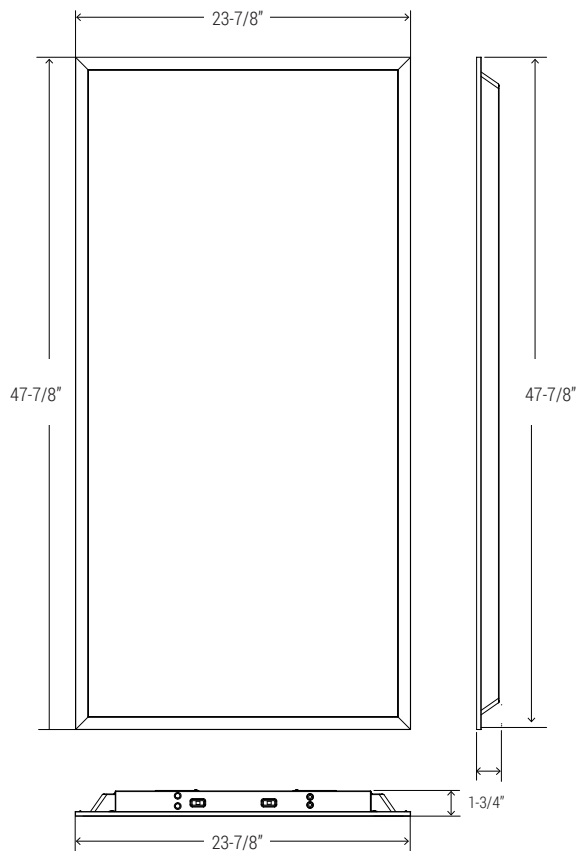


MULTI-LUMEN
SELECTOR

EASY 3 COLORS
SELECTOR
3500K • 4000K • 5000K



FEATURES

The clean design of the FPL-BL provides a modern alternative to traditional fluorescent troffers. Available in 1x4, 2x2, and 2x4. Backlit design delivers unmatched uniform light distribution. Easily adjust brightness level (multi-lumen) and color options (multi-CCT) in the field with multi-lumen and multi-CCT selectors. Perfect for offices, schools, healthcare, hospital, retail, among other applications.

LUMENS	3000/ 4000/ 5000 4000/ 5000/ 6000 6000/ 7000/ 8000
CCT	35K/ 40K/ 50K 30K/ 35K/ 40K
CRI	85+
UGR	<19
COLOR QUALITY	3 Step MacAdam Ellipse
SIZE	2'x4', 2'x2', 1'x4'
MOUNTING	Recessed, Suspended, Surface Mount
DIMMING & CONTROL	0-10V Flicker Free 10% Dimming Standard (DIM10)
EMERGENCY	10W - Up to 1000L output 20W - Up to 2000L output
WORKING TEMPERATURE	-20°C (-4°F) to 40°C (104°F).
LIFETIME	L70 at 60,000 Hours
PHOTOMETRIC TESTS	In Accordance with IES LM79-08, LM80 and TM-30, TM-21

6000/7000/8000

NOMINAL LUMENS	DELIVERED LUMENS	WATTAGE
8000	7372	54W
7000	7097	52W
6000	6106	44W

Based on 4000K, 85+ CRI. Actual wattage may vary +/- 5%

3000/4000/5000

NOMINAL LUMENS	DELIVERED LUMENS	WATTAGE
5000	5435	49W
4000	4814	39W
3000	3799	30W

Based on 4000K, 85+ CRI. Actual wattage may vary +/- 5%

4000/5000/6000

NOMINAL LUMENS	DELIVERED LUMENS	WATTAGE
6000	6365	56W
5000	5652	48W
4000	4642	38W

Based on 4000K, 85+ CRI. Actual wattage may vary +/- 5%



MAINTENANCE

The driver is removable and upgradable even after installation. Luminaire can be regularly and safely wiped down for peak performance.

OPTICAL SYSTEM

Backlit design provides exceptional light distribution. Illumination is spread across the entire surface of the panel, emitting soft, even light. A 110-degree beam angle ensures clear, shadow-free light.

CONSTRUCTION

20-gauge cold rolled steel body, post-painted for durability. White finish standard. All corners are rounded for safe handling. Multiple wiring entrances allow for easy access.

MOUNTING

Easy to install. Mounting hardware included. Accommodates lay-in ceilings, Slot T, and T-bar suspension systems for 5/8" and 3/8" ceiling widths. Four corner tie points and built-in earthquake clips come standard. Options for flange kits, surface mounted kits, and more. SMK required if suspending the fixture.

OPTIONS

Luminaires can be shipped pre-installed with whips, modular wiring systems.

DRIVER ELECTRICAL INFORMATION

Powered by high-quality constant-current power LED drivers which are rated for 50 to 60Hz at 120/277V input. Available in 347V., produce less than 20% THD, and have a power factor of .90 to 1.00.

DIMMING & DRIVER INFORMATION

DIM10 - Flicker Free 10% Dimming Standard (DIM10) 0-10V dimming on either MVOLT 120, 277V and 347V

WARRANTY

Five-year warranty for parts and components. (Labor not included)

LISTINGS

c-UL-us - Listed for Feed Through Wiring.

Can be used to comply with Title 24, non residential lighting requirements.

Damp location rated.

For DesignLights Consortium® (DLC) qualified products please visit www.designlights.org. Not all family members will be listed for DLC Premium or DLC Standard.

Example: **24-FPL-BL-LED-3000L/4000L/5000L-DIM10-M VOLT-35K/40K/50K-85**

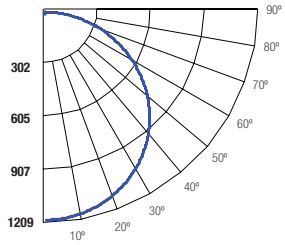
24	FPL-BL	LED								
FIXTURE SIZE	SERIES	TYPE	LUMENS	DIMMING	VOLTAGE	CCT	CRI	EMERGENCY	OTHER OPTIONS	
24 - 2' X 4'	FPL-BL - LED Flat Panel Backlit	LED	3000L/4000L/5000L 4000L/5000L/6000L 6000L/7000L/8000L	DIM10 - 0-10V Dimming	MVOLT 120-347V 347V	35K/40K/50K 30K/35K/40K	85	0-EMG-LED-10W 0-EMG-LED-20W 0-EMG-LED-10W-347	24FK - 2'x4' Flange Kit 24-FPL1-LED-SMK - 2'x4' Surface Mount Kit USA - Made in America Compliance AM - Antimicrobial	

24-FPL-BL-LED-3000L-4000L-5000L-DIM10-MVOLT-35K-40K-50K-85(3000L)

TEST NO.: EL05212055

INPUT WATTS: **30** LUMENS: **3799** CRI: **85** EFFICACY: **127** CCT: **40K** SPACING CRITERIA: **1.42**

Candle Power Distribution (Candelas)



Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-20	442.34	11.60	11.60
0-30	946.75	24.90	24.90
0-40	1567.01	41.30	41.20
0-60	2851.05	75.10	75.10
0-80	3655.98	96.20	96.20
0-90	3766.15	99.10	99.10

Luminance (Average candela/M²)

Angle in Degrees	Average		
	0°	45°	90°
45	1622	1632	1651
55	1607	1623	1651
65	1564	1588	1633
75	1501	1532	1609
85	1509	1557	1701

Lumens Per Zone

Zone	Lumens
0-10	113.92
10-20	328.42
20-30	504.42
30-40	620.26
40-50	663.13
50-60	620.91
60-70	494.75
70-80	310.17
80-90	110.18

Candela Tabulation

Q	
0	1202.581
5	1202.100
15	1165.530
25	1095.690
35	991.390
45	853.220
55	685.790
65	491.790
75	289.080
85	97.830
90	22.650

Coefficients of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance 0.20

RC	80%				70%				50%				30%				10%				0%
	RW	70%	50%	30%	10%	70%	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	101	101	101	99			
1	108	103	98	94	105	100	96	92	96	92	89	92	89	86	88	86	84	81			
2	98	89	82	76	95	87	80	75	83	78	73	80	75	71	76	73	69	67			
3	89	78	69	62	86	76	68	62	73	66	60	70	64	59	67	62	58	56			
4	81	68	59	52	78	67	59	52	64	57	51	62	55	50	60	54	50	47			
5	74	61	52	45	72	60	51	45	58	50	44	55	49	43	53	48	43	41			
6	68	55	46	39	66	54	45	39	52	44	38	50	43	38	48	42	37	35			
7	63	50	41	34	62	49	40	34	47	39	34	45	39	33	44	38	33	31			
8	59	45	36	30	57	44	36	30	43	35	30	42	35	30	40	34	30	28			
9	55	41	33	27	54	41	33	27	39	32	27	38	32	27	37	31	27	25			
10	52	38	30	25	50	38	30	25	36	29	24	35	29	24	34	28	24	22			

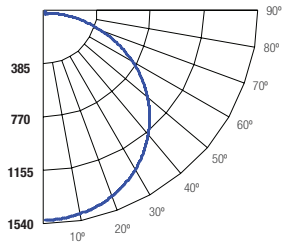
RC - Ceiling Cavity Reflectance RW - Wall Reflectance

24-FPL-BL-LED-3000L-4000L-5000L-DIM10-MVOLT-35K-40K-50K-85(4000L)

TEST NO.: EL05212058

INPUT WATTS: **38.9** LUMENS: **4814** CRI: **85** EFFICACY: **124** CCT: **40K** SPACING CRITERIA: **1.42**

Candle Power Distribution (Candelas)



Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-20	563.96	11.70	11.70
0-30	1206.55	25.10	25.10
0-40	1996.13	41.50	41.50
0-60	3620.21	75.20	75.20
0-80	4636.73	96.30	96.30
0-90	4773.11	99.10	99.10

Luminance (Average candela/M²)

Angle in Degrees	Average		
	0°	45°	90°
45	2075	2078	2083
55	2060	2064	2072
65	2011	2017	2030
75	1924	1935	1939
85	1982	1960	1943

Lumens Per Zone

Zone	Lumens
0-10	145.29
10-20	418.67
20-30	642.59
30-40	789.57
40-50	839.30
50-60	784.79
60-70	626.73
70-80	389.79
80-90	136.38

Candela Tabulation

Q	
0	1534.167
5	1532.450
15	1488.220
25	1399.400
35	1266.570
45	1091.670
55	879.130
65	632.160
75	370.530
85	128.500
90	31.130

Coefficients of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance 0.20

RC	80%				70%				50%				30%				10%				0%
	RW	70%	50%	30%	10%	70%	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	101	101	101	99			
1	108	103	98	94	105	100	96	92	96	92	89	92	89	86	88	86	84	81			
2	98	89	82	76	95	87	80	75	83	78	73	80	75	71	76	73	69	67			
3	89	78	69	62	86	76	68	62	73	66	61	70	64	59	67	62	58	56			
4	81	69	59	52	79	67	59	52	64	57	51	62	56	50	60	54	50	47			
5	74	61	52	45	72	60	51	45	58	50	44	56	49	43	54	48	43	41			
6	68	55	46	39	66	54	45	39	52	44	38	50	43	38	48	42	38	35			
7	63	50	41	34	62	49	40	34	47	39	34	45	39	34	44	38	33	31			
8	59	45	36	31	57	44	36	30	43	36	30	42	35	30	40	34	30	28			
9	55	41	33	27	54	41	33	27	40	32	27	38	32	27	37	31	27	25			
10	52	38	30	25	50	38	30	25	37	29	25	36	29	24	35	29	24	22			

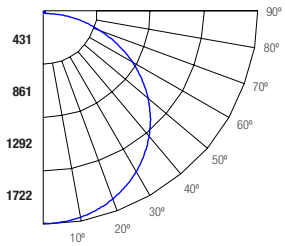
RC - Ceiling Cavity Reflectance RW - Wall Reflectance

24-FPL-BL-LED-3000L-4000L-5000L-DIM10-MVOLT-35K-40K-50K-85(5000L)

TEST NO.: EL01102031

INPUT WATTS: **49.1** LUMENS: **5435** CRI: **N/A** EFFICACY: **111** CCT: **3500K** SPACING CRITERIA: **1.42**

Candle Power Distribution (Candelas)



Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-20	631.16	11.60	11.60
0-30	1351.00	24.90	24.90
0-40	2236.37	41.10	41.10
0-60	4059.28	74.70	74.70
0-80	5211.67	95.90	95.90
0-90	5372.62	98.90	98.90

Luminance (Average candela/M²)

Angle in Degrees	Average		
	0°	45°	90°
45	2356	2282	2254
55	2342	2245	2209
65	2303	2157	2111
75	2204	2005	1945
85	2305	1835	1732

Lumens Per Zone

Zone	Lumens
0-10	162.56
10-20	468.61
20-30	719.83
30-40	885.37
40-50	942.46
50-60	880.45
60-70	708.05
70-80	444.34
80-90	160.95

Candela Tabulation

Q	
0.0	1716.424
5.0	1715.660
15.0	1667.880
25.0	1572.350
35.0	1429.560
45.0	1239.330
55.0	999.370
65.0	724.000
75.0	424.450
85.0	149.450
90.0	30.110

Coefficients of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance 0.20

RC	80%				70%				50%				30%				10%				0%
	RW	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%		
0	119	119	119	119	116	116	116	116	110	110	110	106	106	106	101	101	101	99			
1	108	103	98	94	105	100	96	92	96	92	89	91	89	86	88	85	83	81			
2	97	89	82	75	95	87	80	74	83	77	73	79	75	71	76	72	69	67			
3	89	78	69	62	86	76	68	62	73	66	60	70	64	59	67	62	58	56			
4	81	68	59	52	78	67	58	52	64	57	51	62	55	50	59	54	49	47			
5	74	61	52	45	72	60	51	44	57	50	44	55	49	43	53	47	43	40			
6	68	55	45	39	66	54	45	39	52	44	38	50	43	38	48	42	37	35			
7	63	49	40	34	61	49	40	34	47	39	34	45	38	33	44	38	33	31			
8	59	45	36	30	57	44	36	30	43	35	30	42	35	30	40	34	29	27			
9	55	41	33	27	53	41	33	27	39	32	27	38	32	27	37	31	27	25			
10	52	38	30	25	50	37	30	25	36	29	24	35	29	24	34	28	24	22			

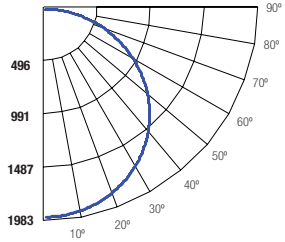
RC - Ceiling Cavity Reflectance RW - Wall Reflectance

24-FPL-BL-LED-6000L-7000L-8000L-DIM10-120-347V-35K-40K-50K-85(6000L)

TEST NO.: **EL10062037**

INPUT WATTS: **44.6** LUMENS: **6106** CRI: **90** EFFICACY: **137** CCT: **3500K** SPACING CRITERIA: **1.42**

Candle Power Distribution (Candelas)



Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-20	721.55	11.8	11.8
0-30	1541.68	25.2	25.2
0-40	2546.43	41.7	41.7
0-60	4598.4	75.3	75.3
0-80	5881.45	96.3	96.3
0-90	6052.98	99.1	99.1

Luminance (Average candela/M²)

Angle in Degrees	Average		
	0°	45°	90°
45	2543	2548	2588
55	2479	2479	2538
65	2347	2350	2437
75	2126	2116	2251
85	1742	1631	1872

Lumens Per Zone

Zone	Lumens
0-10	186.06
10-20	535.49
20-30	820.13
30-40	1004.75
40-50	1064.21
50-60	987.75
60-70	789.42
70-80	493.64
80-90	171.53

Candela Tabulation

0	5	15	25	35	45	55	65	75	85	90
1964.883	1957.76	1889.73	1760.75	1578.3	1337.47	1057.6	738	409.42	112.92	5.17

Coefficients of Utilization - Zonal Cavity Method
Effective Floor Cavity Reflectance 0.20

ROOM CAVITY RATIO	RC RW	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%	0%			
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	101	101	101	99	99	99	99	99			
1	108	103	98	94	105	100	96	92	96	92	89	92	89	86	88	86	84	82	82	82	82	82			
2	98	89	82	76	95	87	80	75	83	78	73	80	75	71	77	73	69	67	67	67	67	67			
3	89	78	69	63	86	76	68	62	73	66	61	70	64	59	67	62	58	56	56	56	56	56			
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5	74	61	52	45	72	60	51	45	58	50	44	56	49	44	54	48	43	41	41	41	41	41			
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9	55	42	33	28	54	41	33	27	40	32	27	39	32	27	37	31	27	25	25	25	25	25			
10	52	38	30	25	50	38	30	25	37	30	25	36	29	24	35	29	24	23	23	23	23	23			

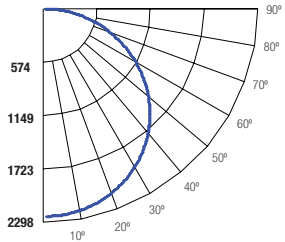
RC - Ceiling Cavity Reflectance RW - Wall Reflectance

24-FPL-BL-LED-6000L-7000L-8000L-DIM10-120-347V-35K-40K-50K-85(7000L)

TEST NO.: **EL10062038**

INPUT WATTS: **52.5** LUMENS: **7097** CRI: **90** EFFICACY: **135** CCT: **3500K** SPACING CRITERIA: **1.42**

Candle Power Distribution (Candelas)



Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-20	839.21	11.8	11.8
0-30	1793.12	25.3	25.3
0-40	2961.49	41.7	41.7
0-60	5347.8	75.3	75.3
0-80	6836.23	96.3	96.3
0-90	7035.74	99.1	99.1

Luminance (Average candela/M²)

Angle in Degrees	Average		
	0°	45°	90°
45	2961	2964	3011
55	2882	2881	2951
65	2728	2729	2840
75	2470	2464	2608
85	2016	1887	2164

Lumens Per Zone

Zone	Lumens
0-10	216.36
10-20	622.85
20-30	953.91
30-40	1168.37
40-50	1237.65
50-60	1148.66
60-70	914.74
70-80	573.7
80-90	199.5

Candela Tabulation

0	5	15	25	35	45	55	65	75	85	90
2285.622	2281.64	2197.82	2046.97	1832.77	1557.51	1229.75	857.6	475.57	130.7	6.32

Coefficients of Utilization - Zonal Cavity Method
Effective Floor Cavity Reflectance 0.20

ROOM CAVITY RATIO	RC RW	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%	0%			
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	101	101	101	99	99	99	99	99			
1	108	103	98	94	105	100	96	92	96	92	89	92	89	86	88	86	84	82	82	82	82	82			
2	98	89	82	76	95	87	80	75	83	78	73	80	75	71	77	73	69	67	67	67	67	67			
3	89	78	69	63	86	76	68	62	73	66	61	70	64	59	67	62	58	56	56	56	56	56			
4	81	69	60	53	79	67	59	52	65	57	51	62	56	51	60	54	50	47	47	47	47	47			
5	74	61	52	45	72	60	51	45	58	50	44	56	49	44	54	48	43	41	41	41	41	41			
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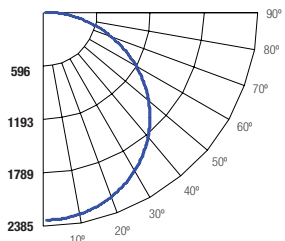
RC - Ceiling Cavity Reflectance RW - Wall Reflectance

24-FPL-BL-LED-6000L-7000L-8000L-DIM10-120-347V-35K-40K-50K-85(8000L)

TEST NO.: **EL10062039**

INPUT WATTS: **54.9** LUMENS: **7372** CRI: **90** EFFICACY: **134** CCT: **3500K** SPACING CRITERIA: **1.42**

Candle Power Distribution (Candelas)



Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-20	871.97	11.8	11.8
0-30	1863.06	25.3	25.3
0-40	3077.02	41.7	41.7
0-60	5555.72	75.4	75.4
0-80	7100.43	96.3	96.3
0-90	7307.22	99.1	99.1

Luminance (Average candela/M²)

Angle in Degrees	Average		
	0°	45°	90°
45	3074	3077	3129
55	2987	2995	3071
65	2835	2840	2946
75	2568	2561	2715
85	2082	1956	2258

Lumens Per Zone

Zone	Lumens
0-10	224.85
10-20	647.12
20-30	991.09
30-40	1213.96
40-50	1285.64
50-60	1193.06
60-70	949.21
70-80	595.5
80-90	206.79

Candela Tabulation

0	5	15	25	35	45	55	65	75	85	90
2375.637	2365.44	2281.58	2127.85	1904.24	1617.11	1274.74	891.34	494.42	135	6.53

Coefficients of Utilization - Zonal Cavity Method
Effective Floor Cavity Reflectance 0.20

ROOM CAVITY RATIO	RC RW	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%	0%			
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	101	101	101	99	99	99	99	99			
1	108	103	98	94	105	100	96	92	96	93	89	92	89	86	88	86	84	82	82	82	82	82			
2	98	89	82	76	95	87	80	75	83	78	73	80	75	71	77	73	69	67	67	67	67	67			
3	89	78	69	63	86	76	68	62	73	66	61	70	64	59	67	62	58	56	56	56	56	56			
4	81	69	60	53	79	67	59	52	65	57	51	62	56	51	60	54	50	48	48	48	48	48			
5	74	61	52	45	72	60	51	45	58	50	44	56	49	44	54	48	43	41	41	41	41	41			
6	69	55	46	39	67	54	45	39	52	44	39	50	43	38	49	42	38	36	36	36	36	36			
7	64	50	41	35	62	49	40	34	47	40	34	46	39	34	44	38	33	31	31	31	31	31			
8	59	45	37	31	57	45	36	31	43	36	30	42	35	30	41	34	30	28	28	28	28	28			
9	55	42	33	28	54	41	33	27	40	32	2														