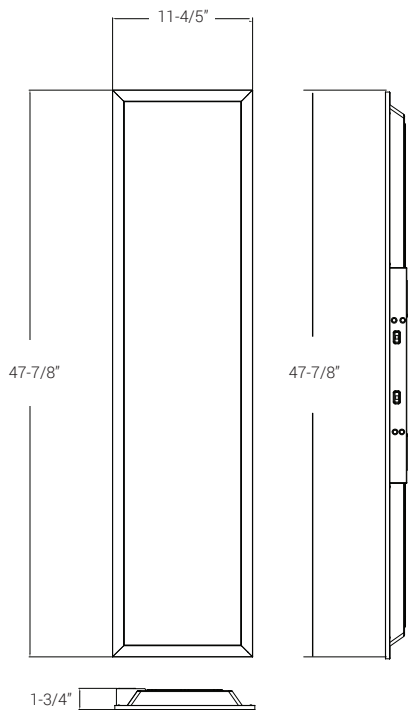




EASY COLORS  
**SELECTOR**



**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.

<b>LUMENS</b>	2000/ 3000/ 4000 4000/ 5000/ 6000 2000/ 3000/ 4000/ 5000 3000/ 4000/ 5000/ 6000
<b>CCT</b>	35K/ 40K/ 50K 30K/ 35K/ 40K 30K/35K/40K/50K
<b>CRI</b>	85+
<b>COLOR QUALITY</b>	3 Step MacAdam Ellipse
<b>SIZE</b>	2'x4', 2'x2', 1'x4'
<b>MOUNTING</b>	Recessed, Suspended, Surface Mount
<b>DIMMING &amp; CONTROL</b>	0-10V Flicker Free 10% Dimming Standard (DIM10)
<b>EMERGENCY</b>	10W - Up to 1000L output (Bodine BSL310) 20W - Up to 2000L output (Bodine BSL20)
<b>LIFETIME</b>	L70 at 60,000 Hours
<b>PHOTOMETRIC TESTS</b>	In Accordance with IES LM79-08, LM80 and TM-30, TM-21

2000/3000/4000		
NOMINAL LUMENS	DELIVERED LUMENS	WATTAGE
4000	4446	37W
3000	3544	28W
2000	2518	19W

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

4000/5000/6000		
NOMINAL LUMENS	DELIVERED LUMENS	WATTAGE
6000	6029	52W
5000	5180	43W
4000	4030	32W

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

2000/3000/4000/5000		
NOMINAL LUMENS	DELIVERED LUMENS	WATTAGE
5000	5180	45W
4000	4446	35W
3000	3544	25W
2000	2518	15W

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

3000/4000/5000/6000		
NOMINAL LUMENS	DELIVERED LUMENS	WATTAGE
6000	6029	52W
5000	5180	43W
4000	4030	37W
3000	3544	28W

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



**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](http://www.designlights.org). Not all family members will be listed for DLC Premium or DLC Standard.

**EMERGENCY TEST SWITCH**



**Emergency Test Switch with LED Indicator**

Compatible with **10W & MVOLT (120-277V)**

Not available for **20W & 120-347V**

Example: **14-FPL-BL-LED-2000L/3000L/4000L-DIM10-MVOLT-35K/40K/50K-85**

FIXTURE SIZE	SERIES	TYPE	LUMENS	DIMMING	VOLTAGE	CCT	CRI	EMERGENCY	OTHER OPTIONS
14 - 1' X 4'	FPL-BL - LED Flat Panel Backlit	LED	*2000L/3000L/4000L 4000L/5000L/6000L *2000L/3000L/4000L/5000L *3000L/4000L/5000L/6000L	DIM10 - 0-10V Dimming	MVOLT 120-347V	35K/40K/50K 30K/35K/40K *30K/35K/40K/50K <small>*Available for 2000/3000/4000 2000/3000/4000/5000 30000/4000/5000/6000 lumen output &amp; MVOLT Only</small>	85	0-EMG-LED-10W 0-EMG-LED-20W	14FK - 1'x4' Flange Kit 14-FPL1-LED-SMK - 1'x4' Surface Mount Kit USA - Made in America AM - Antimicrobial Paint

**14-FPL-BL-LED-2000L-3000L-4000L-DIM10-MVOLT-35K-40K-50K-85(2000L)**

TEST NO.: **EL05212053**

INPUT WATTS: **19.5**

LUMENS: **2518**

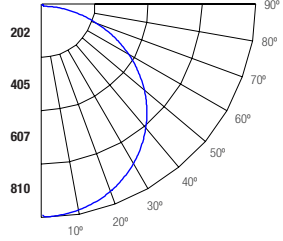
CRI: **N/A**

EFFICACY: **129**

CCT: **3500K**

SPACING CRITERIA: **1.42**

**Candle Power Distribution (Candelas)**



**Zonal Lumens Summary**

Zone	Lumens	%Lamp	%Fixt
0-20	295.23	11.70	11.70
0-30	631.52	25.10	25.10
0-40	1044.53	41.50	41.50
0-60	1892.21	75.10	75.10
0-80	2420.84	96.10	96.10
0-90	2493.34	99.00	99.00

**Luminance (Average candela/M<sup>2</sup>)**

Angle in Degrees	Average 0°	Average 45°	Average 90°
45	2135	2161	2202
55	2099	2137	2199
65	2023	2081	2171
75	1889	1976	2107
85	1802	1958	2221

**Lumens Per Zone**

Zone	Lumens
0-10	76.06
10-20	219.16
20-30	336.30
30-40	413.00
40-50	438.85
50-60	408.82
60-70	325.43
70-80	203.20
80-90	72.50

**Candela Tabulation**

0	
0.0	803.349
5.0	805.930
15.0	779.010
25.0	729.240
35.0	655.950
45.0	561.650
55.0	447.850
65.0	317.980
75.0	181.820
85.0	58.430
90.0	10.400

**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%	
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	83	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	53	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	55	49	43	54	48	43	41	
6	69	55	46	39	67	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	46	39	34	44	38	33	31	
8	59	45	37	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

**14-FPL-BL-LED-2000L-3000L-4000L-DIM10-MVOLT-35K-40K-50K-85(3000L)**

TEST NO.: **EL05212054**

INPUT WATTS: **28.6**

LUMENS: **3544**

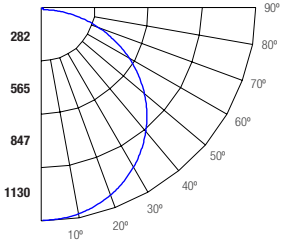
CRI: **N/A**

EFFICACY: **124**

CCT: **3500K**

SPACING CRITERIA: **1.42**

**Candle Power Distribution (Candelas)**



**Zonal Lumens Summary**

Zone	Lumens	%Lamp	%Fixt
0-20	412.89	11.60	11.60
0-30	883.24	24.90	24.90
0-40	1461.23	41.20	41.20
0-60	2657.15	75.00	75.00
0-80	3405.63	96.10	96.10
0-90	3508.52	99.00	99.00

**Luminance (Average candela/M<sup>2</sup>)**

Angle in Degrees	Average 0°	Average 45°	Average 90°
45	3079	3060	3009
55	3079	3051	2979
65	3039	3001	2903
75	2992	2946	2800
85	3149	3087	2797

**Lumens Per Zone**

Zone	Lumens
0-10	106.37
10-20	306.51
20-30	470.35
30-40	578.00
40-50	618.99
50-60	576.92
60-70	459.68
70-80	288.80
80-90	102.89

**Candela Tabulation**

0	
0.0	1122.918
5.0	1120.680
15.0	1090.240
25.0	1027.520
35.0	934.690
45.0	809.920
55.0	656.960
65.0	477.700
75.0	288.000
85.0	102.070
90.0	24.120

**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%	
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	83	81	
2	98	89	82	76	95	87	80	75	83	77	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	49	47	
5	74	61	52	45	72	60	51	45	57	50	44	55	49	43	53	47	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

**14-FPL-BL-LED-2000L-3000L-4000L-DIM10-MVOLT-35K-40K-50K-85(4000L)**

TEST NO.: **EL05212055**

INPUT WATTS: **37.6**

LUMENS: **4446**

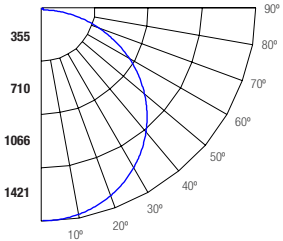
CRI: **N/A**

EFFICACY: **118**

CCT: **3500K**

SPACING CRITERIA: **1.42**

**Candle Power Distribution (Candelas)**



**Zonal Lumens Summary**

Zone	Lumens	%Lamp	%Fixt
0-20	518.92	11.70	11.70
0-30	1110.06	25.00	25.00
0-40	1836.14	41.30	41.30
0-60	3331.78	74.90	74.90
0-80	4271.49	96.10	96.10
0-90	4400.83	99.00	99.00

**Luminance (Average candela/M<sup>2</sup>)**

Angle in Degrees	Average 0°	Average 45°	Average 90°
45	3874	3845	3781
55	3876	3835	3744
65	3819	3774	3648
75	3747	3703	3516
85	3938	3879	3521

**Lumens Per Zone**

Zone	Lumens
0-10	133.70
10-20	385.22
20-30	591.14
30-40	726.08
40-50	771.67
50-60	723.97
60-70	577.59
70-80	362.13
80-90	129.33

**Candela Tabulation**

0	
0.0	1411.47
5.0	1409.09
15.0	1370.45
25.0	1292.69
35.0	1175.56
45.0	1018.98
55.0	826.93
65.0	600.30
75.0	360.73
85.0	127.65
90.0	30.56

**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%	
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	83	81	
2	98	89	82	76	95	87	80	75	83	77	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	49	47	
5	74	61	52	45	72	60	51	45	57	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			

### 14-FPL-BL-LED-4000L-5000L-6000L-DIM10-120-347V-35K-40K-50K-85(4000L)

TEST NO.: **EL10052021**

INPUT WATTS: **32.9**

LUMENS: **4030**

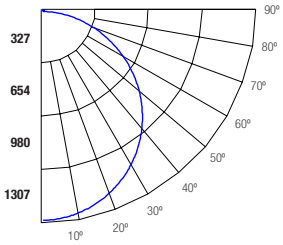
CRI: **N/A**

EFFICACY: **123**

CCT: **3500K**

SPACING CRITERIA: **1.42**

#### Candle Power Distribution (Candelas)



#### Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-20	475.33	11.80	11.80
0-30	1015.44	25.20	25.20
0-40	1676.87	41.60	41.60
0-60	3034.39	75.30	75.30
0-80	3878.53	96.20	96.20
0-90	3990.81	99.00	99.00

#### Luminance (Average candela/M<sup>2</sup>)

Angle in Degrees	Average 0°	Average 45°	Average 90°
45	3490	3408	3351
55	3453	3341	3275
65	3362	3218	3132
75	3221	3027	2921
85	3013	2684	2607

#### Lumens Per Zone

Zone	Lumens
0-10	122.55
10-20	352.78
20-30	540.11
30-40	661.43
40-50	702.46
50-60	655.06
60-70	519.41
70-80	324.73
80-90	112.28

#### Candela Tabulation

0	
0.0	1294.258
5.0	1291.200
15.0	1254.060
25.0	1178.620
35.0	1066.140
45.0	917.990
55.0	736.610
65.0	528.550
75.0	310.130
85.0	97.680
90.0	9.990

#### 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%	
0	119	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	86	88	86	86	88	86	84	81	
2	98	89	82	76	95	87	80	75	83	78	73	80	75	71	77	73	69	67		
3	89	78	69	63	86	76	68	62	73	66	61	70	64	59	67	62	58	56		
4	81	69	60	53	79	67	59	52	65	57	51	62	56	51	60	54	50	47		
5	74	61	52	45	72	60	51	45	58	50	44	56	49	44	54	48	43	41		
6	69	55	46	39	67	54	45	39	52	44	38	50	43	38	48	42	38	36		
7	64	50	41	34	62	49	40	34	47	40	34	46	39	34	44	38	33	31		
8	59	45	37	31	57	45	36	31	43	36	30	42	35	30	41	34	30	28		
9	55	42	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	30	25	36	29	24	35	29	24	23		

RC - Ceiling Cavity Reflectance RW - Wall Reflectance

### 14-FPL-BL-LED-4000L-5000L-6000L-DIM10-120-347V-35K-40K-50K-85(5000L)

TEST NO.: **EL10052023**

INPUT WATTS: **43.8**

LUMENS: **5188**

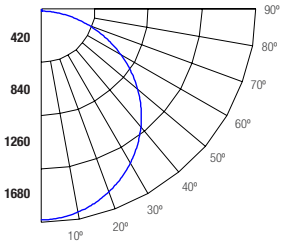
CRI: **N/A**

EFFICACY: **118**

CCT: **3500K**

SPACING CRITERIA: **1.42**

#### Candle Power Distribution (Candelas)



#### Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-20	612.91	11.80	11.80
0-30	1309.37	25.20	25.20
0-40	2162.12	41.70	41.70
0-60	3904.4	75.30	75.30
0-80	4991.7	96.20	96.20
0-90	5136.44	99.00	99.00

#### Luminance (Average candela/M<sup>2</sup>)

Angle in Degrees	Average 0°	Average 45°	Average 90°
45	4500	4394	4323
55	4452	4314	4222
65	4331	4143	4033
75	4117	3888	3757
85	3881	3454	3363

#### Lumens Per Zone

Zone	Lumens
0-10	158.04
10-20	454.87
20-30	696.47
30-40	852.75
40-50	902.70
50-60	839.58
60-70	669.70
70-80	417.60
80-90	144.74

#### Candela Tabulation

0	
0.0	1668.922
5.0	1664.420
15.0	1617.070
25.0	1518.530
35.0	1372.330
45.0	1183.690
55.0	949.770
65.0	680.820
75.0	396.320
85.0	125.810
90.0	14.590

#### 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%	
0	119	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	86	88	86	86	88	86	84	81	
2	98	89	82	76	95	87	80	75	83	78	73	80	75	71	77	73	69	67		
3	89	78	69	63	86	76	68	62	73	66	61	70	64	59	67	62	58	56		
4	81	69	60	53	79	67	59	52	65	57	51	62	56	51	60	54	50	47		
5	74	61	52	45	72	60	51	45	58	50	44	56	49	44	54	48	43	41		
6	69	55	46	39	67	54	45	39	52	44	38	50	43	38	48	42	38	36		
7	64	50	41	34	62	49	40	34	47	40	34	46	39	34	44	38	33	31		
8	59	45	37	31	57	45	36	31	43	36	30	42	35	30	41	34	30	28		
9	55	42	33	28	54	41	33	27	40	32	27	38	32	27	37	31	27	25		
10	52	38	30	25	50	38	30	25	37	30	25	36	29	24	35	29	24	23		

RC - Ceiling Cavity Reflectance RW - Wall Reflectance

### 14-FPL-BL-LED-4000L-5000L-6000L-DIM10-120-347V-35K-40K-50K-85(6000L)

TEST NO.: **EL10052024**

INPUT WATTS: **52.8**

LUMENS: **6029**

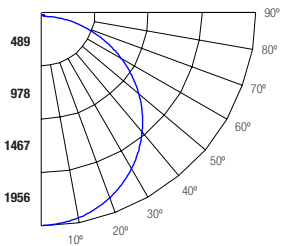
CRI: **N/A**

EFFICACY: **114**

CCT: **3500K**

SPACING CRITERIA: **1.42**

#### Candle Power Distribution (Candelas)



#### Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-20	712.60	11.80	11.80
0-30	1522.48	25.30	25.30
0-40	2514.23	41.70	41.70
0-60	4537.76	75.30	75.30
0-80	5800.63	96.20	96.20
0-90	5969.04	99.00	99.00

#### Luminance (Average candela/M<sup>2</sup>)

Angle in Degrees	Average 0°	Average 45°	Average 90°
45	5236	5111	5028
55	5180	5022	4909
65	5051	4824	4690
75	4778	4490	4331
85	4519	4024	3908

#### Lumens Per Zone

Zone	Lumens
0-10	183.77
10-20	528.83
20-30	809.89
30-40	991.75
40-50	1049.78
50-60	973.75
60-70	777.62
70-80	485.23
80-90	168.42

#### Candela Tabulation

0	
0.0	1940.358
5.0	1935.200
15.0	1881.690
25.0	1767.720
35.0	1600.880
45.0	1377.130
55.0	1105.140
65.0	793.950
75.0	459.970
85.0	146.500
90.0	17.110

#### 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%	
0	119	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	86	88	86	86	88	86	84	81	
2	98	89	82	76	95	87	80	75	83	78	73	80	75	71	77	73	69	67		
3	89	78	69	63	86	76	68	62	73	66	61	70	64	59	67	62	58	56		
4	81	69	60	53	79	67	59	52	65	57	51	62	56	51	60	54	50	47		
5	74	61	52	45	72	60	51	45	58	50	44	56	49	44	54	48	43	41		
6	69	55	46	39	67	54	45	39	52	44	38	50	43	38	48	42	38	36		
7	64	50	41	35	62	49	40	34	47	40	34	46	39	34	44	38	33	31		
8	59	45	37	31	57	45	36	31	43	36	30	42	35	30	41	34				