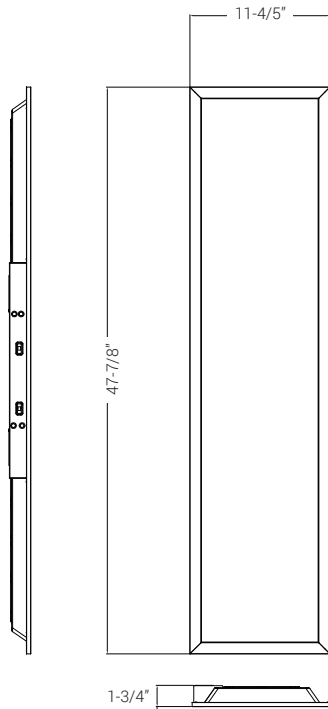




EASY 3 COLORS
SELECTOR
3500K • 4000K • 5000K



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%

FEATURES

The clean design of the FLP1-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	2000/ 3000/ 4000 4000/ 5000/ 6000
CCT	35K/ 40K/ 50K 30K/ 35K/ 40K
CRI	85+
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 (Bodine BSL310) 20W - Up to 2000L output (Bodine BSL20)
LIFETIME	L70 at 60,000 Hours
PHOTOMETRIC TESTS	In Accordance with IES LM79-08, LM80 and TM-30, TM-21



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.

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.
Listed for DLC.

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

Damp location rated.

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

14	FPL-BL	LED							
FIXTURE SIZE	SERIES	TYPE	LUMENS	DIMMING	VOLTAGE	CCT	CRI	EMERGENCY	OTHER OPTIONS
14 - 1' X 4'	FPL-BL - LED Flat Panel Backlit	LED	2000/3000/4000L 4000/5000/6000L	DIM10 - 0-10V Dimming	MVOLT 347V	35K/40K/50K 30K/35K/40K	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 Compliance

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

TEST NO.: **EL05212053**

INPUT WATTS: **19.5**

LUMENS: **2518**

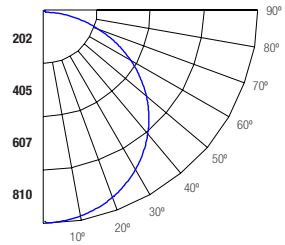
CRI: **N/A**

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/M²)

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	317.990
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	119	116	116	116	116	111	111	111	106	106	106	101	101	101	99
1	108	103	98	94	94	105	100	96	92	96	92	89	92	89	86	88	86	84	81
2	98	89	82	76	76	95	87	80	75	83	78	73	80	75	71	76	73	69	67
3	89	78	69	62	62	86	76	68	62	73	66	61	70	64	59	67	62	58	56
4	81	69	59	53	53	79	67	59	52	64	57	51	62	56	50	60	54	50	47
5	74	61	52	45	45	72	60	51	45	58	50	44	55	49	43	54	48	43	41
6	69	55	46	39	39	67	54	45	39	52	44	38	50	43	38	48	42	38	35
7	63	50	41	34	34	62	49	40	34	47	39	34	46	39	34	44	38	33	31
8	59	45	37	31	31	57	44	36	30	43	36	30	42	35	30	40	34	30	28
9	55	41	33	27	27	54	41	33	27	40	32	27	38	32	27	37	31	27	25
10	52	38	30	25	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**

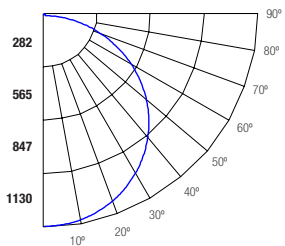
CRI: **N/A**

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/M²)

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	119	116	116	116	116	111	111	111	106	106	106	101	101	101	99
1	108	103	98	94	94	105	100	96	92	96	92	89	92	89	86	88	86	83	81
2	98	89	82	76	76	95	87	80	75	83	77	73	80	75	71	76	73	69	67
3	89	78	69	62	62	86	76	68	62	73	66	60	70	64	59	67	62	58	56
4	81	68	59	52	52	78	67	59	52	64	57	51	62	55	50	60	54	49	47
5	74	61	52	45	45	72	60	51	45	57	50	44	55	49	43	53	47	43	41
6	68	55	46	39	39	66	54	45	39	52	44	38	50	43	38	48	42	37	35
7	63	50	41	34	34	62	49	40	34	47	39	34	45	39	33	44	38	33	31
8	59	45	36	30	30	57	44	36	30	43	35	30	42	35	30	40	34	30	28
9	55	41	33	27	27	54	41	33	27	39	32	27	38	32	27	37	31	27	25
10	52	38	30	25	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**

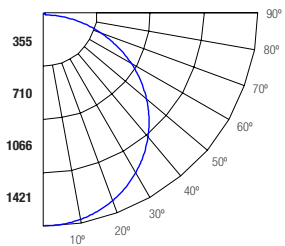
CRI: **N/A**

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/M²)

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	119	116	116	116	116	111	111	111	106	106	106	101	101	101	99
1	108	103	98	94	94	105	100	96	92	96	92	89	92	89	86	88	86	83	81
2	98	89	82	76	76	95	87	80	75	83	77	73	80	75	71	76	73	69	67
3	89	78	69	62	62	86	76	68	62	73	66	60	70	64	59	67	62	58	56
4	81	68	59	52	52	78	67	59	52	64	57	51	62	55	50	60	54	49	47

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

TEST NO.: **EL10052021**

INPUT WATTS: **32.9**

LUMENS: **4030**

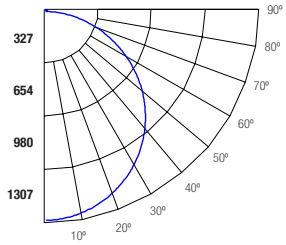
CRI: **N/A**

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/M²)

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	94	105	100	96	92	96	92	89	92	89	86	88	86	84	81
2	98	89	82	76	76	95	87	80	75	83	78	73	80	75	71	77	73	69	67
3	89	78	69	63	63	86	76	68	62	73	66	61	70	64	59	67	62	58	56
4	81	69	60	53	53	79	67	59	52	65	57	51	62	56	51	60	54	50	47
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7	64	50	41	34	34	62	49	40	34	47	40	34	46	39	34	44	38	33	31
8	59	45	37	31	31	57	45	36	31	43	36	30	42	35	30	41	34	30	28
9	55	42	33	27	27	54	41	33	27	40	32	27	38	32	27	37	31	27	25
10	52	38	30	25	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**

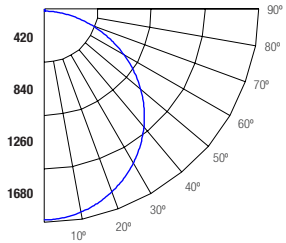
CRI: **N/A**

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/M²)

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	94	105	100	96	92	96	92	89	92	89	86	88	86	84	81
2	98	89	82	76	76	95	87	80	75	83	78	73	80	75	71	77	73	69	67
3	89	78	69	63	63	86	76	68	62	73	66	61	70	64	59	67	62	58	56
4	81	69	60	53	53	79	67	59	52	65	57	51	62	56	51	60	54	50	47
5	74	61	52	45	45	72	60	51	45	58	50	44	56	49	44	54	48	43	41
6	69	55	46	39	39	67	54	45	39	52	44	39	50	43	38	48	42	38	36
7	64	50	41	34	34	62	49	40	34	47	40	34	46	39	34	44	38	33	31
8	59	45	37	31	31	57	45	36	31	43	36	30	42	35	30	41	34	30	28
9	55	42	33	28	28	54	41	33	27	40	32	27	38	32	27	37	31	27	25
10	52	38	30	25	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**

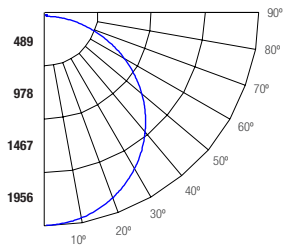
CRI: **N/A**

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/M²)

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	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	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	39	50	43	38	49	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	30	28	
9	55	42	33	28	54	41	33	27	40	32	27	39	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	