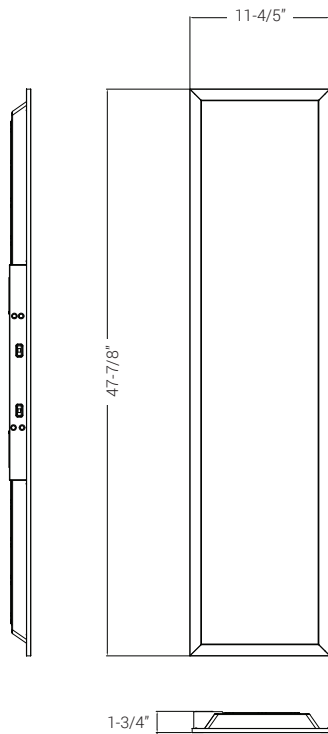




EASY 3 COLORS  
**SELECTOR**  
3500K • 4000K • 5000K



NOMINAL LUMENS	DELIVERED LUMENS	WATTAGE
4000	4446	37.6 W
3000	3544	28.6 W
2000	2518	19.5 W

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
CCT	35K/ 40K/ 50K
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.

**WARRANTY**

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

**LISTINGS**

c-UL-us - Listed for Feed Through Wiring.  
Listed for DLC, California Title 24 compliant.  
Damp location rated.

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

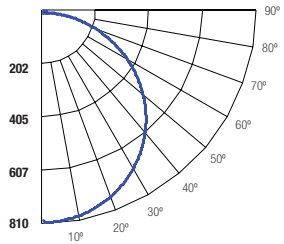
<b>14</b>	<b>FPL-BL</b>	<b>LED</b>								
<b>FIXTURE SIZE</b>	<b>SERIES</b>	<b>TYPE</b>	<b>LUMENS</b>	<b>DIMMING</b>	<b>VOLTAGE</b>	<b>CCT</b>	<b>CRI</b>	<b>EMERGENCY</b>	<b>OTHER OPTIONS</b>	
14 - 1' X 4'	FPL-BL - LED Flat Panel Backlit	LED	2000/3000/4000L	DIM10 - 0-10V Dimming	MVOLT	35K/40K/50K	85	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: 85 EFFICACY: 129 CCT: 40K SPACING CRITERIA: 1.42

#### Candle Power Distribution (Candelas)



Cone of Light			
2	278	5.6	5.8
4	73.8	10.9	11.3
6	32.1	16.5	17.1
8	17.9	22.1	23.0
10	11.7	27.3	28.4
12	8.03	32.9	34.3

BEAM DIA. MEASURED AT 50% OF NAIR F.C.

#### 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°	45°	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

Q	0	5	15	25	35	45	55	65	75	85	90
0	803.349										
5	805.930										
15	779.010										
25	729.240										
35	655.950										
45	561.650										
55	447.850										
65	317.980										
75	181.820										
85	58.430										
90	10.400										

#### 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%	50%	30%	10%	0%		
0	119	119	119	119	119	116	116	116	116	111	111	111	106	106	106	101	101	101	101	101	101	99	99		
1	108	103	98	94	105	100	96	92	89	92	89	89	92	89	86	88	86	86	86	86	84	81	81		
2	98	89	82	76	95	87	80	75	73	83	78	73	80	75	71	76	73	69	67	69	67	67	67		
3	89	78	69	62	86	76	68	62	61	70	64	61	70	64	59	67	62	58	56	62	58	56	56		
4	81	68	59	52	79	67	59	52	51	62	56	51	62	56	50	60	54	50	47	50	47	47	47		
5	74	61	52	45	72	60	51	45	44	55	49	44	55	49	43	54	48	43	41	43	41	41	41		
6	69	55	46	39	67	54	45	39	38	50	43	38	50	43	38	48	42	38	35	38	35	35	35		
7	63	50	41	34	62	49	40	34	33	46	39	34	46	39	34	44	38	33	31	34	30	28	28		
8	59	45	37	31	57	44	36	30	29	42	35	30	42	35	30	40	34	30	28	30	28	28	28		
9	55	41	33	27	54	41	33	27	26	38	32	27	38	32	27	37	31	27	25	27	25	25	25		
10	52	38	30	25	50	38	30	25	24	36	29	24	35	29	24	34	28	24	22	24	22	22	22		

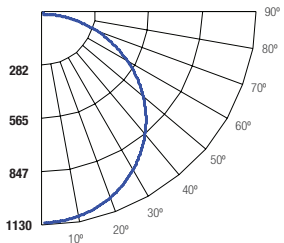
RC - Ceiling Cavity Reflectance RW - Wall Reflectance

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

TEST NO.: EL05212054

INPUT WATTS: 28.6 LUMENS: 3544 CRI: 85 EFFICACY: 124 CCT: 40K SPACING CRITERIA: 1.42

#### Candle Power Distribution (Candelas)



Cone of Light			
2	389	5.9	5.6
4	103	11.4	10.9
6	44.9	17.3	16.5
8	25.0	23.1	22.1
10	16.3	28.7	27.4
12	11.2	34.5	33.0

BEAM DIA. MEASURED AT 50% OF NAIR F.C.

#### 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°	45°	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

Q	0	5	15	25	35	45	55	65	75	85	90
0	1122.918										
5	1120.680										
15	1090.240										
25	1027.520										
35	934.690										
45	809.920										
55	656.960										
65	477.700										
75	288.000										
85	102.070										
90	24.120										

#### 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%	50%	30%	10%	0%		
0	119	119	119	119	119	116	116	116	116	111	111	111	106	106	106	101	101	101	101	101	101	99	99		
1	108	103	98	94	105	100	96	92	89	92	89	89	92	89	86	88	86	86	86	86	84	81	81		
2	98	89	82	76	95	87	80	75	73	83	77	73	80	75	71	76	73	69	67	69	67	67	67		
3	89	78	69	62	86	76	68	62	61	70	64	61	70	64	59	67	62	58	56	62	58	56	56		
4	81	68	59	52	78	67	59	52	51	62	56	51	62	56	50	60	54	49	47	50	47	47	47		
5	74	61	52	45	72	60	51	45	44	55	49	44	55	49	43	53	47	43	41	43	41	41	41		
6	69	55	46	39	66	54	45	39	38	50	43	38	50	43	38	48	42	37	35	38	35	35	35		
7	63	50	41	34	62	49	40	34	33	46	39	34	46	39	33	44	38	33	31	34	30	28	28		
8	59	45	36	30	57	44	36	30	29	42	35	30	42	35	30	40	34	30	28	30	28	28	28		
9	55	41	33	27	54	41	33	27	26	38	32	27	38	32	27	37	31	27	25	27	25	25	25		
10	52	38	30	25	50	38	30	25	24	36	29	24	35	29	24	34	28	24	22	24	22	22	22		

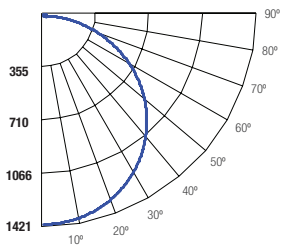
RC - Ceiling Cavity Reflectance RW - Wall Reflectance

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

TEST NO.: EL05212055

INPUT WATTS: 37.6 LUMENS: 4446 CRI: 85 EFFICACY: 118 CCT: 40K SPACING CRITERIA: 1.42

#### Candle Power Distribution (Candelas)



Cone of Light			
2	488	5.9	5.6
4	130	11.4	10.9
6	56.5	17.3	16.5
8	31.4	23.1	22.1
10	20.5	28.6	27.4
12	14.1	34.5	33.0

BEAM DIA. MEASURED AT 50% OF NAIR F.C.

#### Zonal Lumens Summary