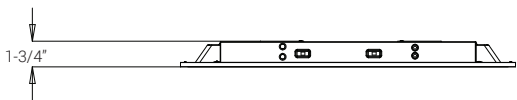
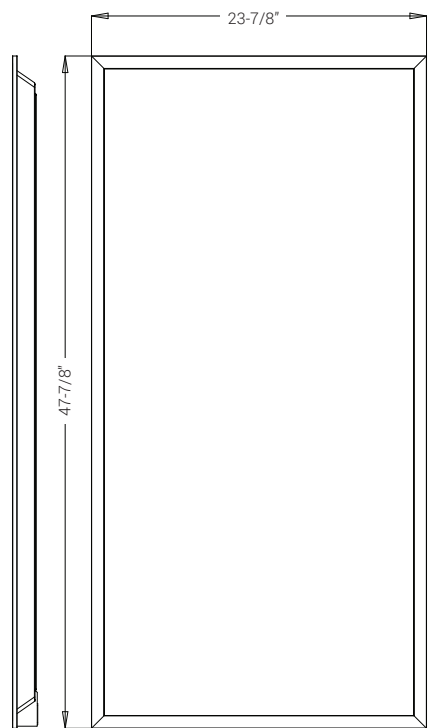


MULTI-LUMEN
SELECTOR

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



NOMINAL LUMENS	DELIVERED LUMENS	WATTAGE
8000	7372	54W
7000	7097	52W
6000	6106	44W
5000	5435	49W
4000	4814	39W
3000	3799	30W

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	3000/ 4000/ 5000 6000/ 7000/ 8000
CCT	35K/ 40K/ 50K
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 (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: **24-FPL-BL-LED-3000/4000/5000L-DIM10-MVOLT-35K/40K/50K-85**

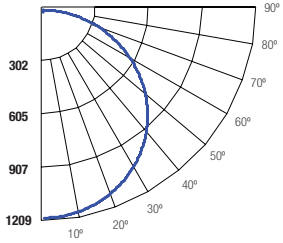
24	FPL-BL	LED							
FIXTURE SIZE	SERIES	TYPE	LUMENS	DIMMING	VOLTAGE	CCT	CRI	EMERGENCY	OTHER OPTIONS
24 - 2' X 4'	FPL-BL - LED Flat Panel Backlit	LED	3000/4000/5000L 6000/7000/8000L	DIM10 - 0-10V Dimming	MVOLT	35K/40K/50K	85	0-EMG-LED-10W 0-EMG-LED-20W	24FK - 2'x4' Flange Kit 24-FPL1-LED-SMK USA - 2'x4'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

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%	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						

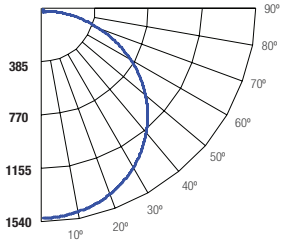
RC - Ceiling Cavity Reflectance RW - Wall Reflectance

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%	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	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	53	48	43	41						
6	68	55	46	39	67	54	45	39	52	44	38	50	43	38	48	42	38	35						
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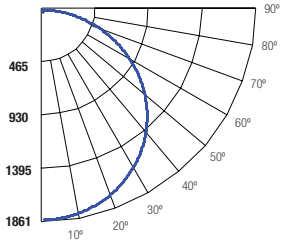
RC - Ceiling Cavity Reflectance RW - Wall Reflectance

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

TEST NO.: EL05212059

INPUT WATTS: **48.6** LUMENS: **5803** CRI: **85** EFFICACY: **119** CCT: **40K** SPACING CRITERIA: **1.42**

Candle Power Distribution (Candelas)



Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-20	679.68	11.70	11.70
0-30	1454.29	25.10	25.10
0-40	2406.23	41.50	41.50
0-60	4361.42	75.20	75.20
0-80	5587.46	96.30	96.30
0-90	5753.08	99.10	99.10

Luminance (Average candela/M²)

Angle in Degrees	Average		
	0°	45°	90°
45	2522	2516	2505
55	2511	2504	2490
65	2464	2455	2434
75	2375	2349	2312
85	2551	2467	2285

Lumens Per Zone

Zone	Lumens
0-10	175.11
10-20	504.57
20-30	774.61
30-40	951.94
40-50	1012.11
50-60	943.08
60-70	755.38
70-80	470.66
80-90	165.62

Candela Tabulation

Q	
0	1849.296
5	1850.230
15	1797.270
25	1692.860
35	1535.180
45	1326.540
55	1071.240
65	774.710
75	457.370
85	165.400
90	44.540

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%	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	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	55	49	43	53	48	43	41						
6	68	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	45	39	34	44	38	33	31						
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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