



<b>LUMENS</b>	2000 / 3000 / 4000, 4000 / 5000 / 6000 2000 / 3000 / 4000 / 5000 3000 / 4000 / 5000 / 6000, 5000 / 6000 / 7000	<b>CRI</b>	85+
<b>CCT</b>	3000K / 3500K / 4000K, 3500K / 4000K / 5000K 3000K / 3500K / 4000K / 5000K	<b>COLOR QUALITY</b>	3 Step MacAdam Ellipse
<b>DIMMING &amp; CONTROLS</b>	0-10V Flicker Free 1% 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>MATERIAL COLORS</b>	Refer to SoftSense Material Color Chart
		<b>PHOTOMETRIC TESTS</b>	In Accordance w/ IES LM79-08 and LM-80, and TM-30, TM-21

"Rondo" family consists of acoustic treatment for ceiling tiles. Simply pop them into your T-bar grid system to add depth and texture to your ceiling while lowering the reverberation rate of your space.

ARCA - a suspended LED flat panel that brings calm, clarity, and a touch of modern magic to any space. Picture a sleek 2'x2' acoustic frame floating effortlessly, with its luminous top panel washing the room in soft, even light. The open-sided acoustic design absorbs sound while the LED surface brightens below, creating a perfectly balanced zone of comfort. Available in 1x4, 2x2, and 2x4 sizes

*\*Please refer to corresponding spec sheets for other sizes*



**CONSTRUCTION**

A 20-gauge cold-rolled steel housing sits above the acoustic layer, post-painted for enhanced durability. Standard finish in white. All corners are smoothly rounded for safe handling. Multiple wiring entry points ensure flexible installation. Earthquake clips are secured to the acoustic panel for added safety and stability.

**ACOUSTIC MATERIAL - 9mm / 0.35" Thickness**

Due to variations in production batches, slight color differences may occur in the acoustic material. While we strive for consistency, exact color matches cannot be guaranteed.

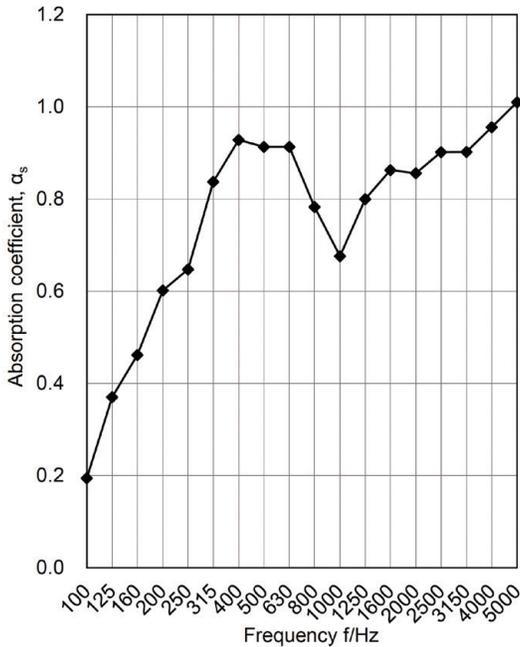
Our panels come in 4' x 8' and are made from 100% polyethylene terephthalate (PET), with 50% post-consumer recycled material. PET is a moisture resistant green product with no added chemicals, binders, adhesives or dyes.

**ACOUSTIC PANEL PERFORMANCE - 4' x 8' Panels**

Acoustic performance of specific fixture / product will greatly vary based on mounting, installation, and configuration in a space.

Noise Reduction Coefficient (NRC) - 0.75  
Weighted Sound Absorption Coefficient -  $a_w = 0.85$

NRC is a widely used standard to test sound absorption for 2-dimensional objects. It is the average absorption coefficient obtained from four key 1/3 octave frequencies: 250, 500, 1000, 2000 Hz.



**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.

**DRIVER ELECTRICAL INFORMATION**

Powered by high-quality constant-current power LED drivers which are rated for 50 to 60 Hz at 120/277V input. Available in 347V, produce less than 20% THD, and have a power factor of 0.90 to 1.00.

**MOUNTING**

Easy to install, accommodates lay-in ceilings.

**WARRANTY**

5-year warranty for parts and components (labor not included).

**LISTINGS**

Damp location okay.

ASTM E-84 Fire Rated (acoustic only)

SCS Recycled Content Certified (acoustic only)

BAA - Buy American Act Compliant government procurement requirements under FAR, DFARS and DOT regulations.

c-UL-us - Listed for Feed Through Wiring. (luminaire only)

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

**MAINTENANCE**

Acoustic material can be cleaned with a clean, soft, lint-free cloth or a vacuum. The driver is removable and upgradable even after installation. Luminaire can be regularly and safely wiped down for peak performance.

**OPTIONS**

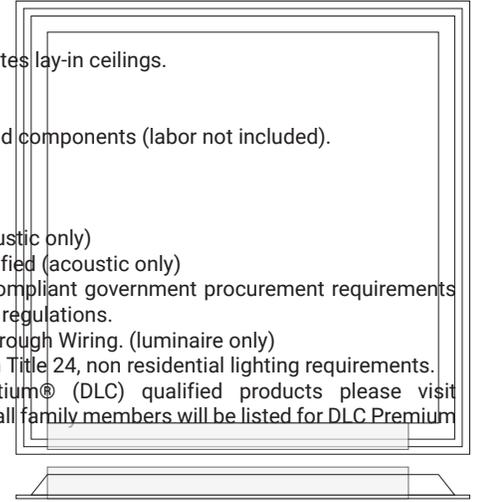
Luminaires can be shipped pre-installed with whips, modular wiring systems.

**NOTES**

COLOR OF CHOSEN ACOUSTIC PANEL WILL AFFECT LIGHT OUTPUT.

Please refer to "22-FPL-BL-LED-ML-CCT" for more information on the luminaire used.

*This style of acoustic can be used with almost any of our 2x2 flat panels and troffers. Please consult factory for details.*



Example: **22-FPL-BL-RONDO-SOFT-LIFT-2000L/3000L/4000L-DIM10-MVOLT-30K/35K/40K-85-GRN**

22	FPL-BL-RHAPSODY-SOFT									GRN	
<b>FIXTURE SIZE</b>	<b>SERIES</b>	<b>STYLE</b>	<b>LUMENS</b>	<b>DIMMING</b>	<b>VOLTAGE</b>	<b>CCT</b>	<b>CRI</b>	<b>EMERGENCY</b>	<b>COLOR</b>	<b>OTHER OPTIONS</b>	
22 - 2' X 2'	FPL-BL-RHAPSODY-SOFT Suspended LED Flat Panel - Backlit with acoustic treatment	Arca - Arca	2000L/3000L/4000L <sup>1</sup> 4000L/5000L/6000L 5000L/6000/7000L 2000L/3000L/4000L/5000L <sup>1</sup> 3000L/4000L/5000L/6000L <sup>1</sup>	DIM10 - 0-10V Dimming	MVOLT 120-347V  347V	30K/35K/40K 35K/40K/50K 30K/35K/40K/50K <sup>1</sup>	85	0-EMG-LED-10W 0-EMG-LED-20W  0-EMG-LED-10W-347	refer to SoftSense material color chart for options example: GRN - Green	USA - Made in America Compliance	

<sup>1</sup> Available for 2000L/3000L/4000L, 2000L/3000L/4000L/5000L, 3000L/4000L/5000L/6000L output and MVOLT only

**DIMENSIONS** - Representative dimensions shown; actual fixture size may vary within standard tolerances

**LUMEN DETAILS**

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

2000/3000/4000/5000

NOMINAL LUMENS	DELIVERED LUMENS	WATTS
5000	4910	45
4000	4536	35
3000	3538	25
2000	2591	15

3000/4000/5000/6000

NOMINAL LUMENS	DELIVERED LUMENS	WATTS
6000	5694	50
5000	4910	43
4000	4536	37
3000	3538	28

2000/3000/4000

NOMINAL LUMENS	DELIVERED LUMENS	WATTS
4000	4356	37
3000	3538	28
2000	2591	19

4000/5000/6000

NOMINAL LUMENS	DELIVERED LUMENS	WATTS
6000	5694	50
5000	4910	41
4000	3831	30

5000/6000/7000

NOMINAL LUMENS	DELIVERED LUMENS	WATTS
7000	7010	58
6000	6001	50
5000	4989	41

**STANDARD COLORS**

Panel Thickness: 9 mm / 0.35" (+/- 0.25 mm)



All panels ASTM E84-16 Fire Rated

**STANDARD PRINTS**

Panel Thickness: 8.5 mm / 0.34" (+/- 0.5 mm)



prints shown at 12% scale

**Declare.**  
Label Pending



quick ship available for any color depending on order quantity  
\*all colors are ASTM E84-16 fire rated, select colors are available as Class A

**\* 22-FPL-BL-LED-2000L-3000L-4000L-DIM10-MVOLT-35K-40K-50K-85(2000L)**

TEST NO.: **EL05212049**

INPUT WATTS: **19.4949**

LUMENS: **2597**

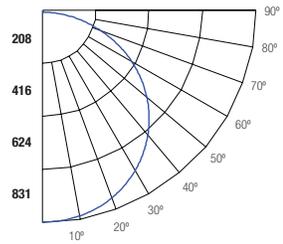
CRI: **N/A**

EFFICACY: **133**

CCT: **3500K**

SPACING CRITERIA: **1.42**

**Candle Power Distribution (Candelas)**



**Zonal Lumens Summary**

Zone	Lumens	%Lamp	%Fixt
0-20	305.14	11.70	11.70
0-30	652.69	25.10	25.10
0-40	1079.38	41.60	41.60
0-60	1954.11	75.20	75.20
0-80	2497.12	96.20	96.20
0-90	2571.01	99.00	99.00

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

Angle in Degrees	Average 0°	Average 45°	Average 90°
45	2226	2269	2283
55	2200	2262	2282
65	2136	2227	2256
75	2018	2162	2200
85	1945	2331	2444

**Lumens Per Zone**

Zone	Lumens
0-10	78.62
10-20	226.53
20-30	347.55
30-40	426.69
40-50	453.11
50-60	421.62
60-70	334.88
70-80	208.13
80-90	73.89

**Candela Tabulation**

0	
0.0	829.942
5.0	827.490
15.0	802.200
25.0	753.010
35.0	680.450
45.0	585.350
55.0	469.270
65.0	335.710
75.0	194.290
85.0	63.040
90.0	10.750

**Coefficients of Utilization - Zonal Cavity Method**

Effective Floor Cavity Reflectance 0.20

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%	0%	
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	101	101	101	99	99	
1	108	103	98	94	105	100	96	92	96	92	89	92	89	86	88	86	84	81	81	
2	98	89	82	76	95	87	80	75	83	78	73	80	75	71	77	73	69	67	67	
3	89	78	69	62	86	76	68	62	73	66	61	70	64	59	67	62	58	56	56	
4	81	69	60	53	79	67	59	52	65	57	51	62	56	50	60	54	50	47	47	
5	74	61	52	45	72	60	51	45	58	50	44	56	49	44	54	48	43	41	41	
6	69	55	46	39	67	54	45	39	52	44	38	50	43	38	48	42	38	35	35	
7	64	50	41	34	62	49	40	34	47	39	34	46	39	34	44	38	33	31	31	
8	59	45	37	31	57	45	36	30	43	36	30	42	35	30	40	34	30	28	28	
9	55	41	33	27	54	41	33	27	40	32	27	38	32	27	37	31	27	25	25	
10	52	38	30	25	50	38	30	25	37	29	25	36	29	24	35	29	24	22	22	

RC - Ceiling Cavity Reflectance RW - Wall Reflectance

**\* 22-FPL-BL-LED-2000L-3000L-4000L-DIM10-MVOLT-35K-40K-50K-85(3000L)**

TEST NO.: **EL05212050**

INPUT WATTS: **28.8**

LUMENS: **3638**

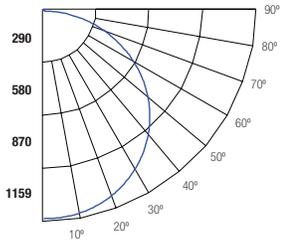
CRI: **N/A**

EFFICACY: **126**

CCT: **3500K**

SPACING CRITERIA: **1.42**

**Candle Power Distribution (Candelas)**



**Zonal Lumens Summary**

Zone	Lumens	%Lamp	%Fixt
0-20	424.85	11.70	11.70
0-30	908.79	25.00	25.00
0-40	1503.04	41.30	41.30
0-60	2730.86	75.10	75.10
0-80	3496.32	96.10	96.10
0-90	3600.78	99.00	99.00

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

Angle in Degrees	Average 0°	Average 45°	Average 90°
45	3096	3153	3181
55	3061	3143	3184
65	2971	3094	3150
75	2838	3033	3117
85	2711	3244	3469

**Lumens Per Zone**

Zone	Lumens
0-10	109.45
10-20	315.39
20-30	483.94
30-40	594.25
40-50	635.45
50-60	592.37
60-70	470.92
70-80	294.54
80-90	104.46

**Candela Tabulation**

0	
0.0	1155.504
5.0	1152.370
15.0	1116.480
25.0	1048.560
35.0	947.260
45.0	814.280
55.0	653.000
65.0	467.050
75.0	273.200
85.0	87.900
90.0	14.460

**Coefficients of Utilization - Zonal Cavity Method**

Effective Floor Cavity Reflectance 0.20

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%	0%	
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	101	101	101	99	99	
1	108	103	98	94	105	100	96	92	96	92	89	92	89	86	88	86	84	81	81	
2	98	89	82	76	95	87	80	75	83	78	73	80	75	71	77	73	69	67	67	
3	89	78	69	62	86	76	68	62	73	66	61	70	64	59	67	62	58	56	56	
4	81	69	59	52	79	67	59	52	64	57	51	62	56	50	60	54	50	47	47	
5	74	61	52	45	72	60	51	45	58	50	44	55	49	43	53	48	43	41	41	
6	68	55	46	39	66	54	45	39	52	44	38	50	43	38	48	42	37	35	35	
7	63	50	41	34	62	49	40	34	47	39	34	45	39	33	44	38	33	31	31	
8	59	45	36	30	57	44	36	30	43	35	30	42	35	30	40	34	30	28	28	
9	55	41	33	27	54	41	33	27	39	32	27	38	32	27	37	31	27	25	25	
10	52	38	30	25	50	38	30	25	36	29	24	35	29	24	35	28	24	22	22	

RC - Ceiling Cavity Reflectance RW - Wall Reflectance

**\* 22-FPL-BL-LED-2000L-3000L-4000L-DIM10-MVOLT-35K-40K-50K-85(4000L)**

TEST NO.: **EL05212051**

INPUT WATTS: **37.4**

LUMENS: **4536**

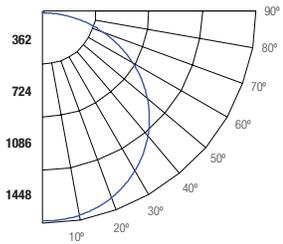
CRI: **N/A**

EFFICACY: **121**

CCT: **3500K**

SPACING CRITERIA: **1.42**

**Candle Power Distribution (Candelas)**



**Zonal Lumens Summary**

Zone	Lumens	%Lamp	%Fixt
0-20	530.24	11.70	11.70
0-30	1134.29	25.00	25.00
0-40	1876.05	41.40	41.40
0-60	3402.22	75.00	75.00
0-80	4358.49	96.10	96.10
0-90	4489.77	99.00	99.00

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

Angle in Degrees	Average 0°	Average 45°	Average 90°
45	3865	3938	3974
55	3820	3925	3981
65	3708	3862	3940
75	3544	3783	3918
85	3384	4051	4368

**Lumens Per Zone**

Zone	Lumens
0-10	136.60
10-20	393.64
20-30	604.05
30-40	741.77
40-50	788.05
50-60	738.12
60-70	588.50
70-80	367.77
80-90	131.28

**Candela Tabulation**

0	
0.0	1441.952
5.0	1437.640
15.0	1393.830
25.0	1308.550
35.0	1182.000
45.0	1016.650
55.0	814.920
65.0	582.820
75.0	341.150
85.0	109.710
90.0	18.020

**Coefficients of Utilization - Zonal Cavity Method**

Effective Floor Cavity Reflectance 0.20

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

**\* 22-FPL-BL-LED-4000L-5000L-6000L-DIM10-120-347V-35K-40K-50K-85(4000L)**

TEST NO.: **EL10052029**

INPUT WATTS: **30.9**

LUMENS: **3831**

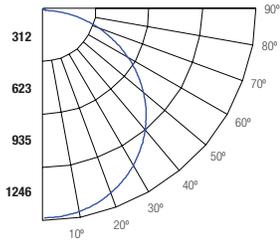
CRI: **N/A**

EFFICACY: **124**

CCT: **3500K**

SPACING CRITERIA: **1.42**

**Candle Power Distribution (Candelas)**



**Zonal Lumens Summary**

Zone	Lumens	%Lamp	%Fixt
0-20	453.15	11.80	11.80
0-30	967.59	25.30	25.30
0-40	1596.68	41.70	41.70
0-60	2886.68	75.40	75.40
0-80	3686.49	96.20	96.20
0-90	3793.1	99.00	99.00

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

Angle in Degrees	Average 0°	Average 45°	Average 90°
45	3271	3269	3269
55	3223	3217	3219
65	3134	3117	3113
75	3014	2990	2967
85	2906	2871	2850

**Lumens Per Zone**

Zone	Lumens
0-10	116.90
10-20	336.25
20-30	514.44
30-40	629.10
40-50	668.76
50-60	621.24
60-70	492.13
70-80	307.68
80-90	106.61

**Candela Tabulation**

0	
0.0	1234.645
5.0	1232.700
15.0	1192.190
25.0	1116.330
35.0	1005.990
45.0	860.200
55.0	687.700
65.0	492.620
75.0	290.170
85.0	94.200
90.0	12.930

**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%	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		

RC - Ceiling Cavity Reflectance RW - Wall Reflectance

**\* 22-FPL-BL-LED-4000L-5000L-6000L-DIM10-120-347V-35K-40K-50K-85(5000L)**

TEST NO.: **EL10052029**

INPUT WATTS: **41.5**

LUMENS: **4910**

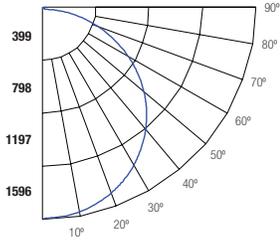
CRI: **N/A**

EFFICACY: **118**

CCT: **3500K**

SPACING CRITERIA: **1.42**

**Candle Power Distribution (Candelas)**



**Zonal Lumens Summary**

Zone	Lumens	%Lamp	%Fixt
0-20	582.38	11.90	11.90
0-30	1243.39	25.30	25.30
0-40	2051.59	41.80	41.80
0-60	3700.14	75.40	75.40
0-80	4725.16	96.20	96.20
0-90	4861.42	99.00	99.00

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

Angle in Degrees	Average 0°	Average 45°	Average 90°
45	4184	4194	4208
55	4121	4122	4143
65	3994	3992	4015
75	3826	3817	3814
85	3600	3657	3723

**Lumens Per Zone**

Zone	Lumens
0-10	150.20
10-20	432.18
20-30	661.02
30-40	808.19
40-50	854.13
50-60	794.42
60-70	631.59
70-80	393.44
80-90	136.26

**Candela Tabulation**

0	
0.0	1586.679
5.0	1582.040
15.0	1531.540
25.0	1431.370
35.0	1288.010
45.0	1100.460
55.0	879.260
65.0	627.780
75.0	368.320
85.0	116.720
90.0	14.070

**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%	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	60	67	62	58	56		
4	81	69	60	53	79	67	59	52	65	57	51	62	56	51	60	54	50	48		
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	58	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	25	35	29	24	23		

RC - Ceiling Cavity Reflectance RW - Wall Reflectance

**\* 22-FPL-BL-LED-4000L-5000L-6000L-DIM10-120-347V-35K-40K-50K-85(6000L)**

TEST NO.: **EL10052034**

INPUT WATTS: **50.1**

LUMENS: **5694**

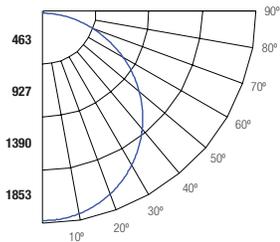
CRI: **N/A**

EFFICACY: **114**

CCT: **3500K**

SPACING CRITERIA: **1.42**

**Candle Power Distribution (Candelas)**



**Zonal Lumens Summary**

Zone	Lumens	%Lamp	%Fixt
0-20	675.71	11.90	11.90
0-30	1442.7	25.30	25.30
0-40	2380.54	41.80	41.80
0-60	4289.98	75.30	75.30
0-80	5479.56	96.20	96.20
0-90	5637.82	99.00	99.00

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

Angle in Degrees	Average 0°	Average 45°	Average 90°
45	4860	4872	4880
55	4777	4796	4816
65	4638	4637	4657
75	4426	4388	4405
85	4206	4201	4335

**Lumens Per Zone**

Zone	Lumens
0-10	174.29
10-20	501.42
20-30	766.99
30-40	937.84
40-50	991.15
50-60	918.29
60-70	733.04
70-80	456.54
80-90	158.26

**Candela Tabulation**

0	
0.0	1841.245
5.0	1836.170
15.0	1776.490
25.0	1662.800
35.0	1496.350
45.0	1278.260
55.0	1019.080
65.0	729.050
75.0	426.080
85.0	136.350
90.0	19.200

**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%	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	48		
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	58	45	36	31	43	36	30	42	35	30	41	34	30	28		
9	55	42	33																	

