



LUMENS

3000/4000/5000, 4000/5000/6000, 6000/7000/8000,
7000/8000/9000
3000/4000/5000/6000, 5000/6000/7000/8000

CCT

3500K / 4000K / 5000K, 3000K / 3500K / 4000K
3000K / 3500K / 4000K / 5000K

DIMMING & CONTROLS

0-10V Flicker Free 10% Dimming Standard (DIM10)

LIFETIME

L70 at 60,000 Hours

CRI

85+

COLOR QUALITY

3 Step MacAdam Ellipse

EMERGENCY

10W - Up to 1000L output (Bodine BSL310)
20W - Up to 2000L output (Bodine BSL20)

MATERIAL COLORS

Refer to SoftSense Material Color Chart

PHOTOMETRIC TESTS

In Accordance with IES LM79-08 and LM-80,
and TM-30, TM-21

“Rhapsody” family consists of acoustic pendant or suspended fixtures. The luminaire’s simple, classic look provides light over any environment and the added acoustic feature makes it suitable for any design application such as schools, boardrooms, office areas, hotels, lobbies, restaurants, etc.

CHAMBER - A suspended LED flat panel that brings calm, clarity, and a touch of modern magic to any space. Picture a sleek 2’x4’ 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 1’x4’, 2’x2’, and 2’x4’ 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 panels for added safety and security.

ACOUSTIC MATERIAL - 9mm / 0.35" Thickness

Due to the variation 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.

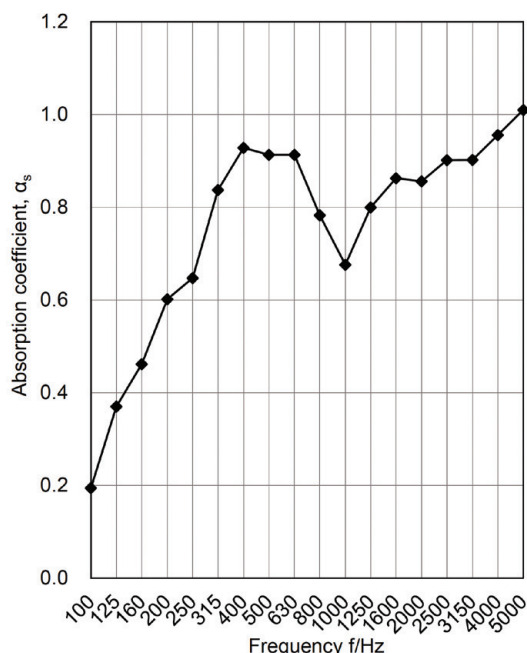
ACOUSTIC PANEL PERFORMANCE - 4' x 8' Panels

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 - $\alpha_w = 0.85$

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 ceiling.

WARRANTY

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

LISTINGS

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)

Damp location rated. (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. 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 removeable and upgradeable 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

Due to the reflected light from the surrounding acoustic material, the color of the specified acoustic panels may impact the fixture's perceived light output and color rendering.

Please refer to "24-FPL-BL-LED-ML-CCT" for more information on the luminaire used.

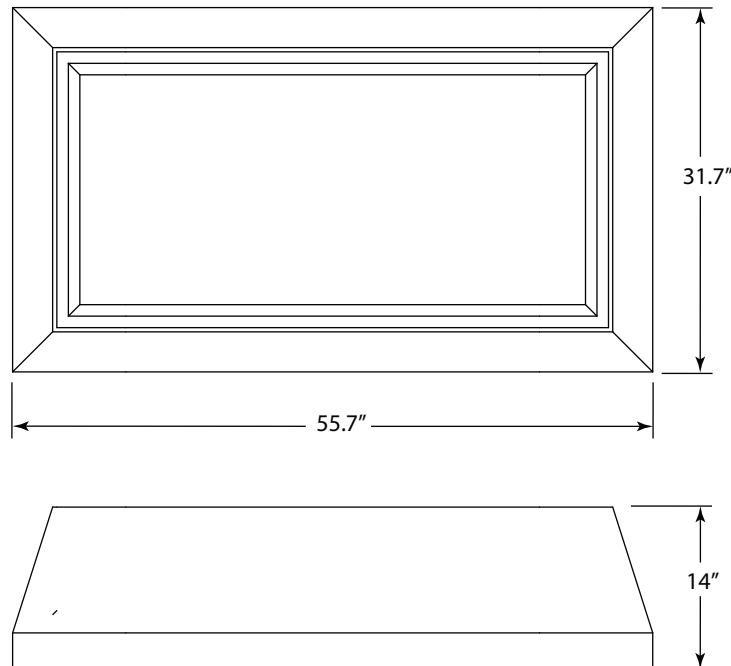
This style of acoustics can be used with almost any of our 2' x 4' flat panel troffers. Please consult factory for details.

Example: 22-FPL-BL-RHAPSODY-SOFT-CHAMBER-3000L/4000L/5000L-DIM10-MVOLT-30K/35K/40K-85-GRN

24	FPL-BL-RHAPSODY-SOFT									GRN	
FIXTURE SIZE	SERIES	STYLE	LUMENS	DIMMING	VOLTAGE	CCT	CRI	EMERGENCY	COLOR	OTHER OPTIONS	
24- 2' x 4'	FPL-BL-RHAPSODY-SOFT Suspended LED Flat Panel - Backlit with acoustic treatment	CHAMBER - Chamber	3000L/4000L/5000L [†] 4000L/5000L/6000L 6000L/7000L/8000L 7000L/8000L/9000L 3000L/4000L/5000L/6000L [†] 5000L/6000L/7000L/8000L [†]	DIM10 - 0-10V Dimming	MVOLT 120-347V 347V	30K/35K/40K 35K/40K/50K 30K/35K/40K/50K [†]	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	

[†] Available for 3000L/4000L/5000L/6000L,
5000L/6000L/7000L/8000L 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%

7000/8000/9000		
NOMINAL LUMENS	DELIVERED LUMENS	WATTAGE
9000	9088	76W
8000	8142	67W
7000	7275	60W

6000/7000/8000		
NOMINAL LUMENS	DELIVERED LUMENS	WATTAGE
8000	7372	54W
7000	7097	52W
6000	6106	44W

4000/5000/6000		
NOMINAL LUMENS	DELIVERED LUMENS	WATTAGE
6000	6365	56W
5000	5652	48W
4000	4642	38W

5000/6000/7000/8000		
NOMINAL LUMENS	DELIVERED LUMENS	WATTAGE
8000	8399	62W
7000	7600	55W
6000	6566	47W
5000	5562	39W

3000/4000/5000/6000		
NOMINAL LUMENS	DELIVERED LUMENS	WATTAGE
6000	6494	49W
5000	5432	40W
4000	4361	31W
3000	3415	23W

3000/4000/5000		
NOMINAL LUMENS	DELIVERED LUMENS	WATTAGE
5000	5435	49W
4000	4814	39W
3000	3799	30W

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

24-FPL-BL-RHAPSODY-SOFT-CHAMBER

Suspended LED with Acoustic Treatment

***24-FPL-BL-RHAPSODY-SOFT-CHAMBER-3000L-4000L-5000L-DIM10-MVOLT-35K-40K-50K-85(3000L)**

TEST NO.: EL05212055

INPUT WATTS: **30**

LUMENS: **3799**

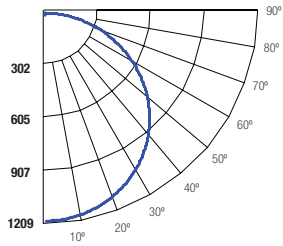
CRI: **85**

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

RC - Ceiling Cavity Reflectance

RW - Wall Reflectance

***24-FPL-BL-RHAPSODY-SOFT-CHAMBER-3000L-4000L-5000L-DIM10-MVOLT-35K-40K-50K-85(4000L)**

TEST NO.: EL05212058

INPUT WATTS: **38.9**

LUMENS: **4814**

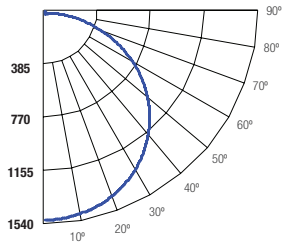
CRI: **85**

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°	Average 45°	Average 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

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	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	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	36	30	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																

RC - Ceiling Cavity Reflectance

RW - Wall Reflectance

***24-FPL-BL-RHAPSODY-SOFT-CHAMBER-3000L-4000L-5000L-DIM10-MVOLT-35K-40K-50K-85(5000L)**

TEST NO.: EL01102031

INPUT WATTS: **49.1**

LUMENS: **5435**

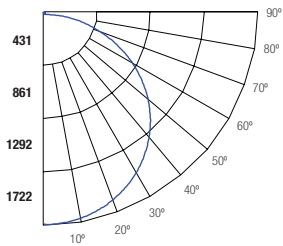
CRI: **N/A**

EFFICACY: **111**

CCT: **3500K**

SPACING CRITERIA: **1.42**

Candle Power Distribution (Candelas)



Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-20	631.16	11.60	11.60
0-30	1351.00	24.90	24.90
0-40	2236.37	41.10	41.10
0-60	4059.28	74.70	74.70
0-80	5211.67	95.90	95.90
0-90	5372.62	98.90	98.90

Luminance (Average candela/M²)

Angle in Degrees	Average 0°	Average 45°	Average 90°
45	2356	2282	2254
55	2342	2245	2209
65	2303	2157	2111
75	2204	2005	1945
85	2305	1835	1732

Lumens Per Zone

Zone	Lumens
0-10	162.56
10-20	468.61
20-30	719.83
30-40	885.37
40-50	942.46
50-60	880.45
60-70	708.05
70-80	444.34
80-90	160.95

Candela Tabulation

Q	
0.0	1716.424
5.0	1715.660
15.0	1667.880
25.0	1572.350
35.0	1429.560
45.0	1239.330
55.0	999.370
65.0	724.000
75.0	424.450
85.0	149.450
90.0	30.110

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	110	110	110	106	106	106	101	101	101	99
	1	108	103	98	94	105	100	96	92	96	92	89	91	89	86	88	85	83	81
	2	97	89	82	75	95	87	80	74	83	77	73	79	75	71	76	72	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	58	52	64	57	51	62	55	50	59	54	49	47
	5	74	61	52	45	72	60	51	44	57	50	44	55	49	43	53	47	43	40
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9	55	41	33	27	53	41	33	27	39	32	27	38	32	27	37	31	27	25	
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24-FPL-BL-RHAPSODY-SOFT-CHAMBER

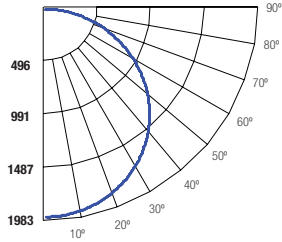
Suspended LED with Acoustic Treatment

***24-FPL-BL-RHAPSODY-SOFT-CHAMBER-6000L-7000L-8000L-DIM10-120-347V-35K-40K-50K-85 (6000L)**

TEST NO.: EL10062037

INPUT WATTS: **44.6** LUMENS: **6106** CRI: **90** EFFICACY: **137** CCT: **3500K** SPACING CRITERIA: **1.42**

Candle Power Distribution (Candelas)



Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-20	721.55	11.8	11.8
0-30	1541.68	25.2	25.2
0-40	2546.43	41.7	41.7
0-60	4598.4	75.3	75.3
0-80	5881.45	96.3	96.3
0-90	6052.98	99.1	99.1

Luminance (Average candela/M²)

Angle in Degrees	Average 0°	Average 45°	Average 90°
45	2543	2548	2588
55	2479	2479	2538
65	2347	2350	2437
75	2126	2116	2251
85	1742	1631	1872

Lumens Per Zone

Zone	Lumens
0-10	186.06
10-20	535.49
20-30	820.13
30-40	1004.75
40-50	1064.21
50-60	987.75
60-70	789.42
70-80	493.64
80-90	171.53

Candela Tabulation

Q	
0	1964.883
5	1957.76
15	1889.73
25	1760.75
35	1578.3
45	1337.47
55	1057.6
65	738
75	409.42
85	112.92
90	5.17

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%	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	101	101	101	99	99	99	99	99	99	99	99	99
1	108	103	98	94	94	105	100	96	92	96	92	89	92	89	86	88	86	84	82	86	84	82	82	82	82	82	82	82	82	82
2	98	89	82	76	76	95	87	80	75	83	78	73	80	75	71	77	73	69	67	73	69	67	67	67	67	67	67	67	67	67
3	89	78	69	63	63	86	76	68	62	73	66	61	70	64	59	67	62	58	56	62	58	56	56	56	56	56	56	56	56	56
4	81	69	60	53	53	79	67	59	52	65	57	51	62	56	51	60	54	50	47	54	50	47	47	47	47	47	47	47	47	47
5	74	61	52	45	45	72	60	51	45	58	50	44	56	49	44	54	48	43	41	48	43	41	41	41	41	41	41	41	41	41
6	69	55	46	39	39	67	54	45	39	52	44	39	50	43	38	49	42	38	36	42	38	36	36	36	36	36	36	36	36	36
7	64	50	41	34	34	62	49	40	34	47	40	34	46	39	34	44	38	33	31	38	33	31	31	31	31	31	31	31	31	31
8	59	45	37	31	31	57	45	36	31	43	36	30	42	35	30	41	34	30	28	34	30	28	28	28	28	28	28	28	28	28
9	55	42	33	28	28	54	41	33	27	40	32	27	39	32	27	37	31	27	25	31	27	25	25	25	25	25	25	25	25	25
10	52	38	30	25	25	50	38	30	25	37	30	25	36	29	24	35	29	24	23	29	24	23	23	23	23	23	23	23	23	23

RC - Ceiling Cavity Reflectance

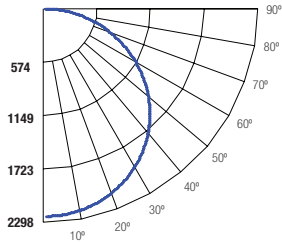
RW - Wall Reflectance

***24-FPL-BL-RHAPSODY-SOFT-CHAMBER-6000L-7000L-8000L-DIM10-120-347V-35K-40K-50K-85(7000L)**

TEST NO.: EL10062038

INPUT WATTS: **52.5** LUMENS: **7097** CRI: **90** EFFICACY: **135** CCT: **3500K** SPACING CRITERIA: **1.42**

Candle Power Distribution (Candelas)



Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-20	839.21	11.8	11.8
0-30	1793.12	25.3	25.3
0-40	2961.49	41.7	41.7
0-60	5347.8	75.3	75.3
0-80	6836.23	96.3	96.3
0-90	7035.74	99.1	99.1

Luminance (Average candela/M²)

Angle in Degrees	Average 0°	Average 45°	Average 90°
45	2961	2964	3011
55	2882	2881	2951
65	2728	2729	2840
75	2470	2464	2608
85	2016	1887	2164

Lumens Per Zone

Zone	Lumens
0-10	216.36
10-20	622.85
20-30	953.91
30-40	1168.37
40-50	1237.65
50-60	1148.66
60-70	914.74
70-80	573.7
80-90	199.5

Candela Tabulation

Q	
0	2285.622
5	2281.64
15	2197.82
25	2046.97
35	1832.77
45	1557.51
55	1229.75
65	857.6
75	475.57
85	130.7
90	6.32

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%	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	101	101	101	99	99	99	99	99	99	99	99	99
1	108	103	98	94	94	105	100	96	92	96	92	89	92	89	86	88	86	84	82	86	84	82	82	82	82	82	82	82	82	82
2	98	89	82	76	76	95	87	80	75	83	78	73	80	75	71	77	73	69	67	73	69	67	67	67	67	67	67	67	67	67
3	89	78	69	63	63	86	76	68	62	73	66	61	70	64	59	67	62	58	56	62	58	56	56	56	56	56	56	56	56	56
4	81	69	60	53	53	79	67	59	52	65	57	51	62	56	51	60	54	50	47	54	50	47	47	47	47	47	47	47	47	47
5	74	61	52	45	45	72	60	51	45	58	50	44	56	49	44	54	48	43	41	48	43	41	41	41	41	41	41	41	41	41
6	69	55	46	39	39	67	54	45	39	52	44	39	50	43	38	49	42	38	36	42	38	36	36	36	36	36	36	36	36	36
7	64	50	41	34	34	62	49	40	34	47	40	34	46	39	34	44	38	33	31	38	33	31	31	31	31	31	31	31	31	31
8	59	45	37	31	31	57	45	36	31	43	36	30	42	35	30	41	34	30	28	34	30	28	28	28	28	28	28	28	28	28
9	55	42	33	28	28	54	41	33	27	40	32	27	39	32	27	37	31	27	25	31	27	25	25	25	25	25	25	25	25	25
10	52	38	30	25	25	50	38	30	25	37	30	25	36	29	24	35	29	24	23	29	24	23	23	23	23	23	23	23	23	23

RC - Ceiling Cavity Reflectance

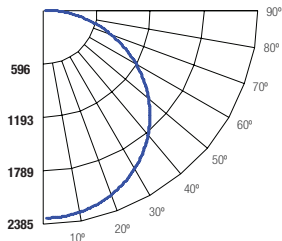
RW - Wall Reflectance

***24-FPL-BL-RHAPSODY-SOFT-CHAMBER-6000L-7000L-8000L-DIM10-120-347V-35K-40K-50K-85(8000L)**

TEST NO.: EL10062039

INPUT WATTS: **54.9** LUMENS: **7372** CRI: **90** EFFICACY: **134** CCT: **3500K** SPACING CRITERIA: **1.42**

Candle Power Distribution (Candelas)



Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-20	871.97	11.8	11.8
0-30	1863.06	25.3	25.3
0-40	3077.02	41.7	41.7
0-60	5555.72	75.4	75.4
0-80	7100.43	96.3	96.3
0-90	7307.22	99.1	99.1

Luminance (Average candela/M²)

Angle in Degrees	Average 0°	Average 45°	Average 90°
45	3074	3077	3129
55	2987	2995	3071
65	2835	2840	2946
75	2568	2561	2715
85	2082	1956	2258

Lumens Per Zone

Zone	Lumens
0-10	224.85
10-20	647.12
20-30	991.09
30-40	1213.96
40-50	1285.64
50-60	1193.06
60-70	949.21
70-80	595.5
80-90	206.79

Candela Tabulation

Q	
0	2375.637
5	2365.44
15	2281.58
25	2127.85
35	1904.24
45	1617.11
55	1274.74
65	891.34
75	494.42
85	135
90	6.53