

LUMENS	7000 / 8000 / 9000 3000 / 4000 / 5000 / 6000
CCT	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

The **Rhapsody** family comprises acoustic pendant and suspended luminaires, blending timeless form with contemporary performance. Defined by a clean, classic silhouette, each fixture delivers beautifully balanced illumination while discreetly enhancing acoustic comfort. This harmonious fusion of light and sound makes **Rhapsody** an elegant solution for a wide range of environments, including educational spaces, boardrooms, offices, hospitality settings, lobbies, and restaurants.

The **IONIC** is a suspended LED luminaire 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 closed-sided acoustic design absorbs sound while the LED surface brightens below, creating a perfectly balanced zone of comfort. Available in 2'x2', and 2'x4' sizes.



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.

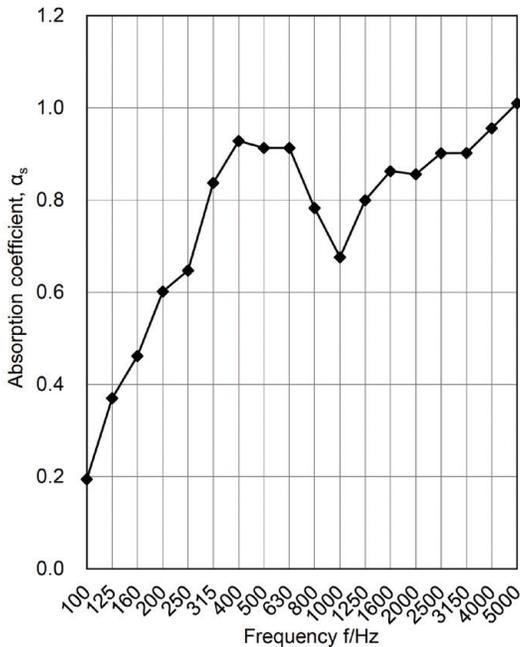
Our panels come in 4' x 8' and are made from 100% polyethylene terephthalate (PET), with 50% post-consumer recycled material. PET is a moisture resistant green product with no added chemicals, binders, adhesives or dyes.

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 - $a_w = 0.85$

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.



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.

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.

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.

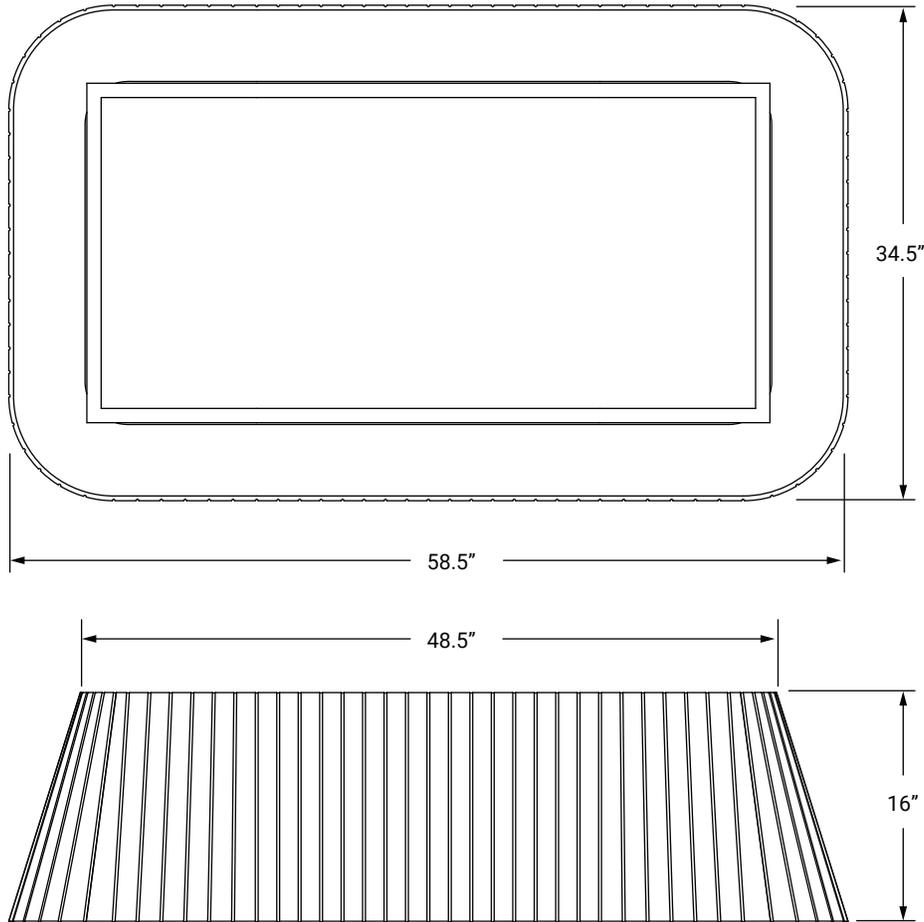
This style of acoustics can be used with almost any of our 2' x 4' flat panel troffers. Please consult factory for details.

Example: **24-FPL-BL-RHAPSODY-SOFT-IONIC-58IN-3000L/4000L/5000L-DIM10-MVOLT-30K/35K/40K-85-GRN**

FPL-BL-RHAPSODY-SOFT											GRN
SERIES 24-FPL-BL-RHAPSODY-SOFT Suspended LED Flat Panel - Backlit with acoustic treatment	STYLE IONIC - Ionic	SIZE 58IN - 58.7" W x 34.5" L	LUMENS 7000L/8000L/9000L 3000L/4000L/5000L/6000L ¹	DIMMING DIM10 - 0-10V Dimming	VOLTAGE MVOLT 120-347V	CCT 30K/35K/40K 35K/40K/50K 30K/35K/40K/50K ¹	CRI 85	EMERGENCY 0-EMG-LED-10W 0-EMG-LED-20W	MOUNTING SCM10 - Side Canopy Mount 10 ft. SCM20 - Side Canopy Mount 20 ft. CCM10 - Center Canopy Mount 10 ft. CCM20 - Side Canopy Mount 20 ft.	ACOUSTIC COLOR <small>Refer to SoftSense material color chart for options</small> example: GRN - Green	

¹ Available for 3000L/4000L/5000L/6000L, 7000L/8000L/9000L output and MVOLT only.

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



LUMEN DETAILS

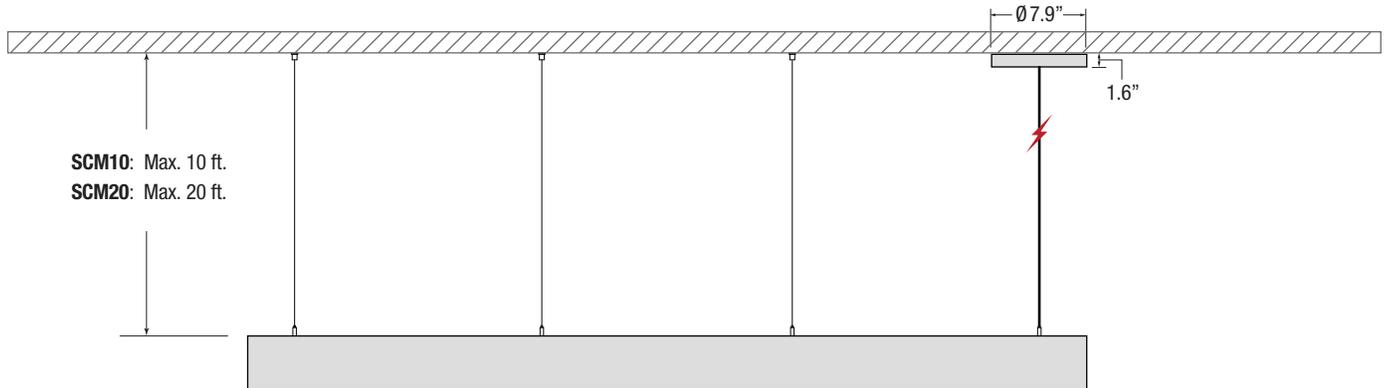
Based on 4000K, 85+ CRI, Actual wattage may vary +/- 5%

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

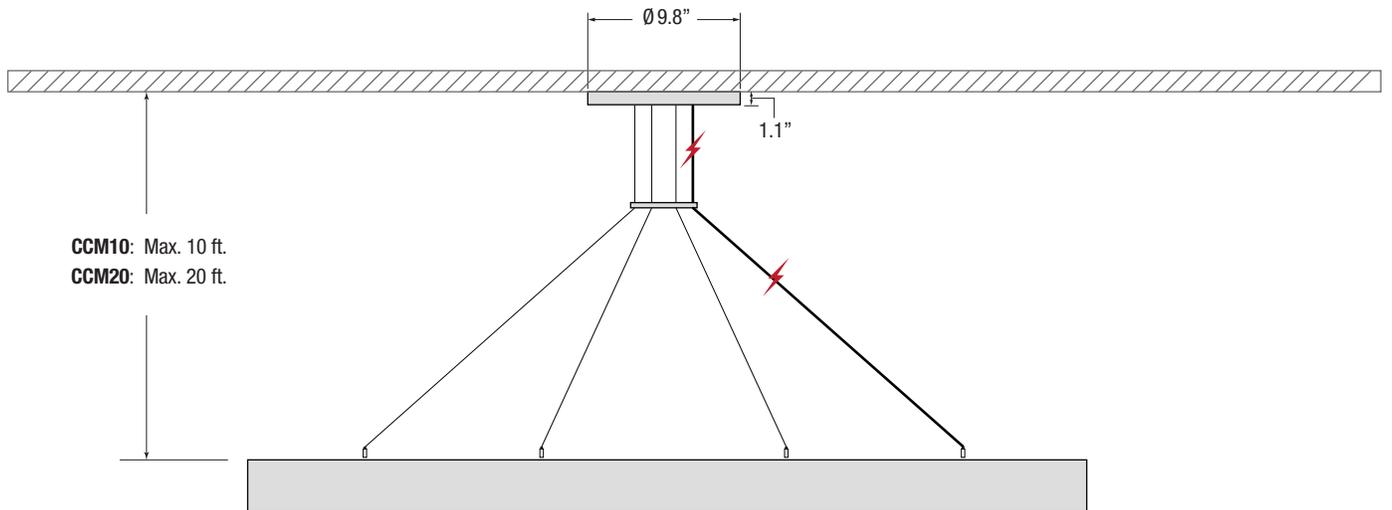
3000/4000/5000/6000		
NOMINAL LUMENS	DELIVERED LUMENS	WATTAGE
6000	6494	49W
5000	5432	40W
4000	4361	31W
3000	3415	23W

MOUNTING

SIDE CANOPY MOUNTING



CENTRAL CANOPY MOUNTING



STANDARD COLORS

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

All panels ASTM E84-16 Fire Rated

PURE PUR	STONE STN	BONE BNE	PEACH PCH
GRAY NOISE NSE	GREIGE GRG	SAND SND	ORANGE ORA
PEBBLE PEB	FOG FOG	DUST DST	BRASS BRS
GRAVEL GRV	WARM GRAY WGR	LATTE LTE	BRONZE BRZ
SHADOW SHD	HIPPO HIP	CLAY CLA	RUST RST
ASPHALT ASP	PERIWINKLE PRW	KELP KLP	PECAN PEC
ABYSS ABS	SKY BLUE SBL	CROCODILE CRC	FIG FIG
NIGHT NIT	SAPPHIRE SAP	SAGE SGE	EGGPLANT EGP
MIDNIGHT MDN	NAVY NVY	PISTACHIO PST	AMETHYST AME
EVERGREEN EVG	SEAWEED SWD	MATCHA MCH	PLUM PLU
MOSS MOS	BAY BAY	OLIVE OLV	CABBAGE CBG
COFFEE CFE	SEA SEA	GREEN GRN	PINK PNK
WINE WIN	DARK TEAL DTL	SUNSHINE SUN	PASSION PAS



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

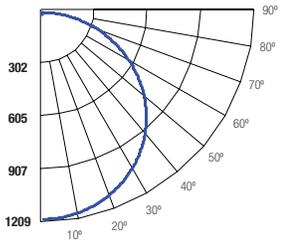
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***24-FPL-BL-RHAPSODY-SOFT-IONIC-3000L-4000L-5000L-DIM10-MVOLT-35K-40K-50K-85(3000L)**

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

0	0	1202.581
5	1202.100	15
15	1165.530	25
25	1095.690	35
35	991.390	45
45	853.220	55
55	685.790	65
65	491.790	75
75	289.080	85
85	97.830	90
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%	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	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				

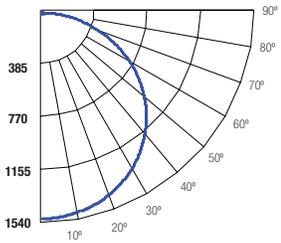
RC - Ceiling Cavity Reflectance RW - Wall Reflectance

***24-FPL-BL-RHAPSODY-SOFT-IONIC-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

0	0	1534.167
5	1532.450	15
15	1488.220	25
25	1399.400	35
35	1266.570	45
45	1091.670	55
55	879.130	65
65	632.160	75
75	370.530	85
85	128.500	90
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%	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	76	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	55	50	60	54	50	47				
5	74	61	52	45	72	60	51	45	58	50	44	55	49	43	54	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	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				

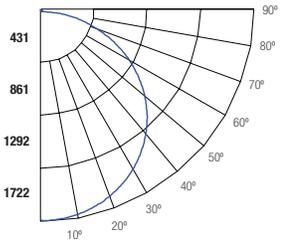
RC - Ceiling Cavity Reflectance RW - Wall Reflectance

***24-FPL-BL-RHAPSODY-SOFT-IONIC-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°	45°	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

0	0	1716.424
5	1715.660	15
15	1667.880	25
25	1572.350	35
35	1429.560	45
45	1239.330	55
55	999.370	65
65	724.000	75
75	424.450	85
85	149.450	90
90	30.110	

Coefficients of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance 0.20

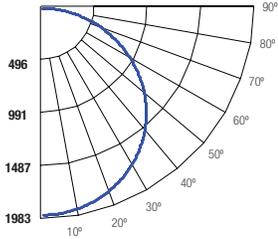
RC	80%				70%				50%				30%				10%				0%	
	RW	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%	0%		
0	119	119	119	119	116	116	116	116	110	110	110	106	106	106	101	101	101	99				
1	108	103	98	94	105	100	96	92	96	92	89	91	89	86	88	85	83	81				
2	97	89	82	75	95	87	80	74	83	77	73	79	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				
6	68	55	45	39	66	54	45	39	52	44	38	50	43	38	48	42	37	35				
7	63	49	40	34	61	49	40	34	47	39	34	45	38	33	44	38	33	31				
8	59	45	36	30	57	44	36	30	43	35	30	42	35	30	40	34	29	27				
9	55	41	33	27	53	41	33	27	39	32	27	38	32	27	37	31	27	25				
10	52	38	30	25	50	37	30	25	36	29	24	35	29	24	34	28	24	22				

RC - Ceiling Cavity Reflectance RW - Wall Reflectance

*Testing is based on original luminaire used without the acoustic

***24-FPL-BL-RHAPSODY-SOFT-IONIC-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°	45°	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	5	15	25	35	45	55	65	75	85	90
0	1964.883	5	1957.76	15	1889.73	25	1760.75	35	1578.3	45	1337.47
5	1889.73	15	1760.75	25	1578.3	35	1337.47	45	1057.6	55	738
15	1760.75	25	1578.3	35	1337.47	45	1057.6	55	738	65	409.42
25	1578.3	35	1337.47	45	1057.6	55	738	65	409.42	75	112.92
35	1337.47	45	1057.6	55	738	65	409.42	75	112.92	85	5.17
45	1057.6	55	738	65	409.42	75	112.92	85	5.17	90	

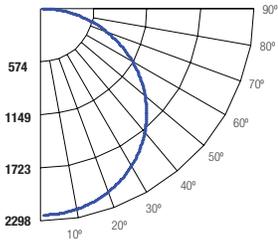
Coefficients of Utilization - Zonal Cavity Method
Effective Floor Cavity Reflectance 0.20

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%	0%	
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	82	
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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	49	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	39	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

***24-FPL-BL-RHAPSODY-SOFT-IONIC-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°	45°	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	5	15	25	35	45	55	65	75	85	90
0	2285.622	5	2281.64	15	2197.82	25	2046.97	35	1832.77	45	1557.51
5	2281.64	15	2197.82	25	2046.97	35	1832.77	45	1557.51	55	1229.75
15	2197.82	25	2046.97	35	1832.77	45	1557.51	55	1229.75	65	857.6
25	2046.97	35	1832.77	45	1557.51	55	1229.75	65	857.6	75	475.57
35	1832.77	45	1557.51	55	1229.75	65	857.6	75	475.57	85	130.7
45	1557.51	55	1229.75	65	857.6	75	475.57	85	130.7	90	6.32

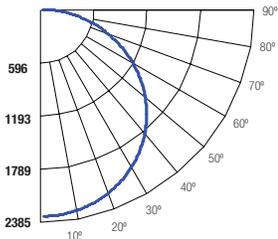
Coefficients of Utilization - Zonal Cavity Method
Effective Floor Cavity Reflectance 0.20

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%	0%	
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	82	
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	48	
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	49	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	39	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

***24-FPL-BL-RHAPSODY-SOFT-IONIC-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°	45°	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	5	15	25	35	45	55	65	75	85	90
0	2375.637	5	2365.44	15	2281.58	25	2127.85	35	1904.24	45	1617.11
5	2365.44	15	2281.58	25	2127.85	35	1904.24	45	1617.11	55	1274.74
15	2281.58	25	2127.85	35	1904.24	45	1617.11	55	1274.74	65	891.34
25	2127.85	35	1904.24	45	1617.11	55	1274.74	65	891.34	75	494.42
35	1904.24	45	1617.11	55	1274.74	65	891.34	75	494.42	85	135
45	1617.11	55	1274.74	65	891.34	75	494.42	85	135	90	6.53

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%	0%	
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	82	
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	48	
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					