



LUMENS

2000/3000/4000, 4000/5000/6000,
2000/3000/4000/5000, 3000/4000/5000/6000

CCT & TECHNOLOGIES

35K / 40K / 50K
30K / 35K / 40K
30K / 35K / 40K / 50k

COLOR QUALITY

3 Step MacAdam Ellipse

MOUNTING

Pendant, Suspended

DIMMING & CONTROLS

0-10V Flicker Free 1% Dimming Standard (DIM10)
LUTH, DIMTR

DIMENSIONS

24.7" Length X 12.7" Width

HEIGHT

14"

FIXTURE FINISH

BK (Black), WH (Matt White), SI (Silver), Custom RAL

MATERIAL COLORS

Refer to SoftSense Material Color Chart

PHOTOMETRIC TESTS

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

"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.

The Cove features acoustic panels surrounding the luminaire with a sculptural structure that softens sound while adding architectural depth. Thoughtfully crafted to enhance both acoustics and aesthetics, bringing refined texture to any modern space.

OPTICS & PERFORMANCE

The light engines found in the OPR-LED-Rhapsody are rated at 85+ CRI and are available in multiple CCTs: 3000K, 3500K, and 4000K. Rated and tested to LM-79, LM-80, and TM-30 standards. The LEDs are also binned to a 3-step MacAdam ellipse to achieve consistent color from fixture to fixture.

CONSTRUCTION

PET material wrapped around rigid steel design that ensures longevity and endurance. A high quality, high transmission PMMA glare free lens offers smooth illumination.

ACOUSTIC MATERIAL - 9mm / 0.35" Thickness

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.

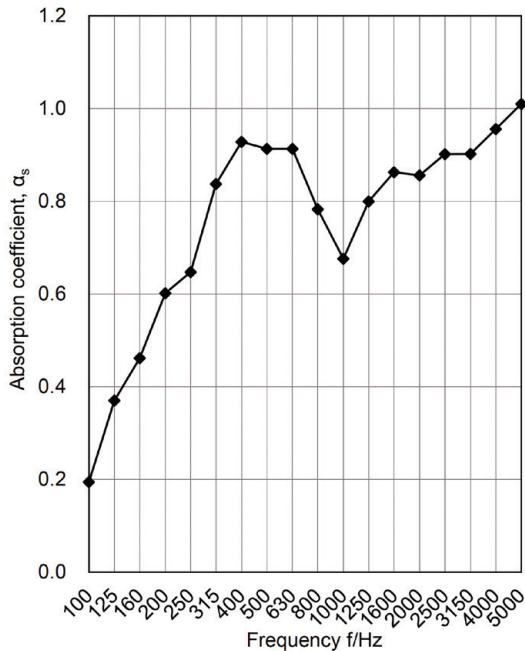
ACOUSTIC PANEL PERFORMANCE - 4' x 8' Panels

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.



DRIVER ELECTRICAL INFORMATION

Powered by high-quality constant-current power LED drivers which are rated for 50 to 60Hz at 120-277V input, produce less than 20% THD, and have a power factor of .90 to 1.00. OPR-LED-Rhapsody comes standard with 0-10V dimming on either 120V-277V. For 347V, please consult factory. Consult factory for dimmer compatibility.

DIMMING

DIM10 - Flicker Free 1% Dimming Standard (DIM10) 0-10V dimming on either MVOLT 120, 277 or 347V.

DIMTR - Triac & Electronic low voltage dimming. Available in 120V.

LUTH - Lutron LDE1 Hi-Lume Eco System. 1% dimming with Soft in Fade to Black dimming technology.

MOUNTING

Comes standard in adjustable cable suspension system providing fast installation into a variety of interior heights, including sloped ceilings.

Also available in pendant mount.

WARRANTY

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

LISTINGS

c-UL-us - Listed for Feed Through Wiring.

All LED luminaires are rated and tested to LM-79 and LM-80 standards by an independent laboratory.

UL Listed for Damp location

QUALITY CONTROL

Every fixture is rigorously tested by our QC Department before shipping.

MAINTENANCE

Acoustic material can be cleaned with a clean, soft, lint-free cloth or a vacuum.

OPTIONS

Available without light source.

WEIGHT - +/- 1lbs

1' - with Luminaire - 16lbs

1' - NLS - 10lbs

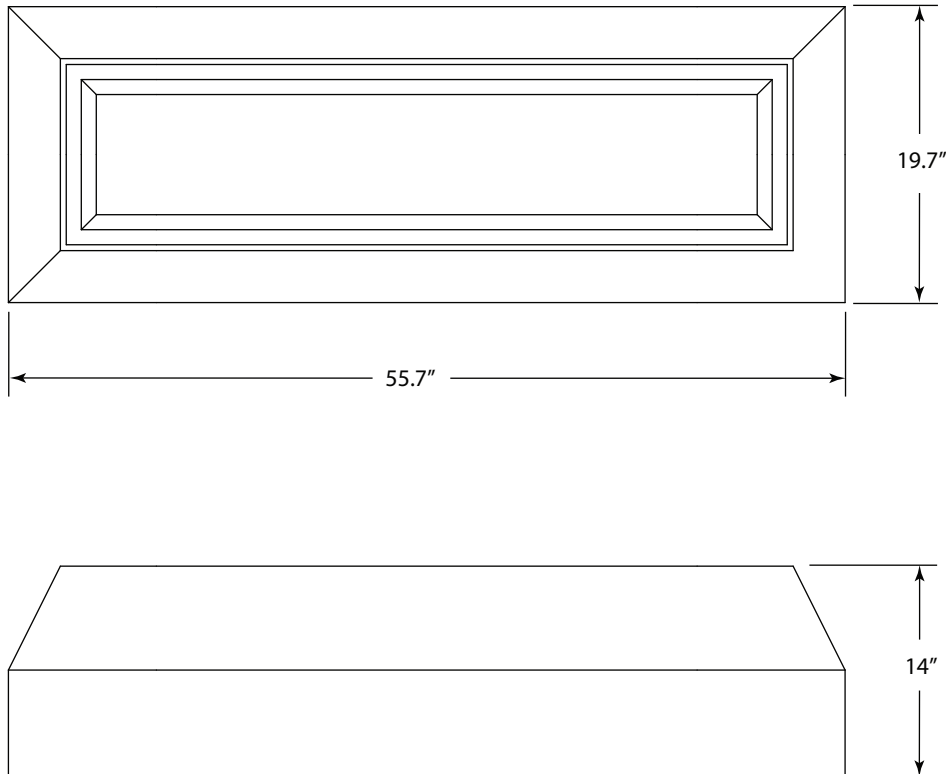
Example: 14-FPL-RHAPSODY-SOFT-COVE-14IN-1-3000L-DIM10-MVOLT-40K-85-WH-SM-GRN

14-FPL-RHAPSODY-SOFT																								GRN															
SERIES														STYLE		HEIGHT		SIZE		DIRECT LUMENS		DIMMING		VOLTAGE		CCT		CRI		EMERGENCY		FINISH		MOUNTING OPTIONS		COLOR		- 2 ND COLOR	
14-FPL-RHAPSODY-SOFT SoftSense LED Pendant														COVE - Cove		14IN - 14 in.		1 - 1 ft.		2000L - 2000 Lumens 3000L - 3000 Lumens 4000L - 4000 Lumens 4000L - 4000 Lumens 5000L - 5000 Lumens 6000L - 6000 Lumens 2000L - 2000 Lumens 3000L - 3000 Lumens 4000L - 4000 Lumens 5000L - 5000 Lumens 3000L - 3000 Lumens 4000L - 4000 Lumens 5000L - 5000 Lumens 6000L - 6000 Lumens NLS ² - no light source		DIM10 - 0-10V Dimming LUTH - Lutron HiLumen DIMTR ³ - Triac Dimming		120 277 MVOLT 347 ⁴		35K - 3500K 40K - 4000K 50K - 5000K 30K - 3000K 35K - 3500K 40K - 4000K 30K - 3000K 35K - 3500K 40K - 4000K 50K - 5000K		85 90+		0-EMG-LED-10W 0-EMG-LED-20W 0-EMG-LED-10W-SDT 0-EMG-LED-20W-SDT		WH - Matte White BK - Black SI - Silver RAL ¹ - custom color		SM - Suspended Mount up to 9 ft. PM12 - Pendant Mount up to 12 in. PM18 - Pendant Mount up to 18 in. PM24 - Pendant Mount up to 24 in. PM36 - Pendant Mount up to 36 in. PM48 - Pendant Mount up to 48 in.		refer to SoftSense material color chart for options example: GRN - Green 2 ND color option will create a fixture with alternating colors example: GRN/FLR - alternating Green and Fluor		options: dual color	

CUS¹ - custom¹ NLS² - no light source

- ¹ Consult Factory
- ² No Light Source, please skip to "Mounting Option"
- ³ DIMTR available only in 120V
- ⁴ 347V only available with DIM10

DIMENSIONS



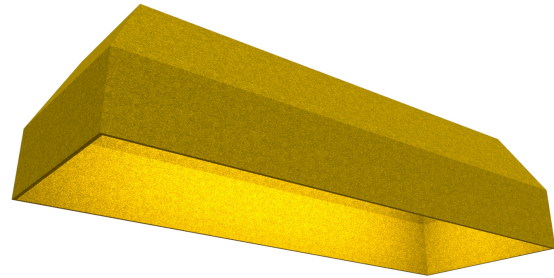
STANDARD COLORS

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

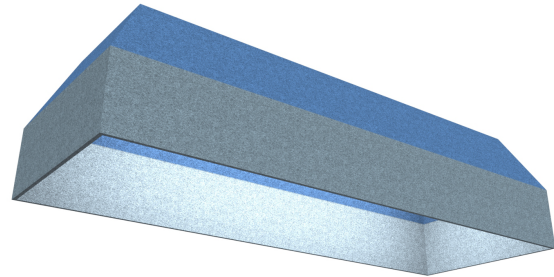
PURE PUR	STONE STN	BONE BNE	PEACH PCH
GRAY NOISE NSE	GREIGE GRG	SAND SND	ORANGE ORA
PEBBLE PEB	FOG FOG	DUST DST	BRASS BRS
GRAVEL GRV	WARM GRAY WGR	LATTE LTE	BRONZE BRZ
SHADOW SHD	HIPPO HIP	CLAY CLA	RUST RST
ASPHALT ASP	PERIWINKLE PRW	KELP KLP	PECAN PEC
ABYSS ABS	SKY BLUE SBL	CROCODILE CRC	FIG FIG
NIGHT 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

All panels ASTM E84-16 Fire Rated

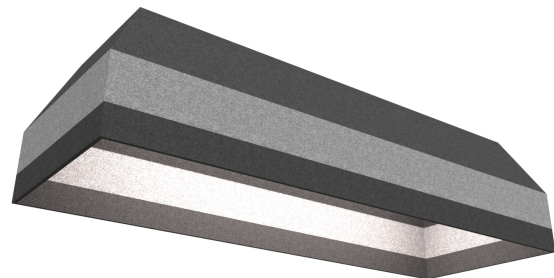
SAMPLE FINISHES



BRS



SAP + SBL



GRV + NSE + GRV



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

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

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

6000/7000/8000

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

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

4000/5000/6000

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

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

3000/4000/5000

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

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

5000/6000/7000/8000

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

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

3000/4000/5000/6000

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

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

14-FPL-RHAPSODY-SOFT-COVE-14IN-4-3000L-4000L-5000L-DIM10-MVOLT-35K-40K-50K-85(3000L)

TEST NO.: EL05212055

INPUT WATTS: **30**

LUMENS: **3799**

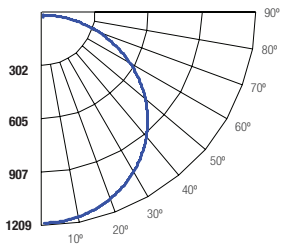
CRI: **85**

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%	0%			
ROOM CAVITY RATIO	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	68	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

14-FPL-RHAPSODY-SOFT-COVE-14IN-4-3000L-4000L-5000L-DIM10-MVOLT-35K-40K-50K-85(4000L)

TEST NO.: EL05212058

INPUT WATTS: **38.9**

LUMENS: **4814**

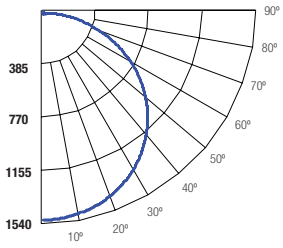
CRI: **85**

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

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%
ROOM CAVITY RATIO	0	119	119	119	119	116	116	116	116	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	51	45	71	59	51	45	56	49	43	56	49	43	53	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	31	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	34	28	24	22	

RC - Ceiling Cavity Reflectance

RW - Wall Reflectance

14-FPL-RHAPSODY-SOFT-COVE-14IN-4-3000L-4000L-5000L-DIM10-MVOLT-35K-40K-50K-85(5000L)

TEST NO.: EL01102031

INPUT WATTS: **49.1**

LUMENS: **5435**

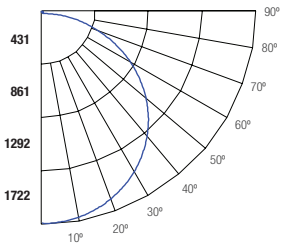
CRI: **N/A**

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

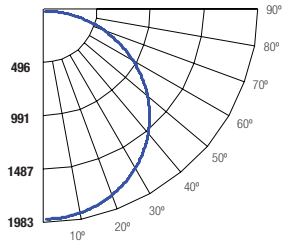
RC	80%				70%				50%				30%				10%				0%
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14-FPL-RHAPSODY-SOFT-COVE-14IN-4-6000L-7000L-8000L-DIM10-120-347V-35K-40K-50K-85 (6000L)

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%	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	82	86	84	82
	2	98	89	82	76	95	87	80	75	83	78	73	80	75	71	77	73	69	67	73	69	67
	3	89	78	69	63	86	76	68	62	73	66	61	70	64	59	67	62	58	56	62	58	56
	4	81	69	60	53	79	67	59	52	65	57	51	62	56	51	60	54	50	47	54	50	47
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RC - Ceiling Cavity Reflectance

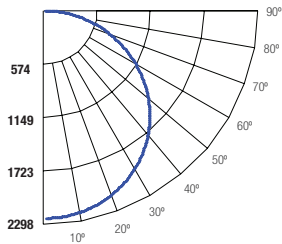
RW - Wall Reflectance

14-FPL-RHAPSODY-SOFT-COVE-14IN-4-6000L-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%	0%	
ROOM CAVITY RATIO	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	82	
	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	34	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

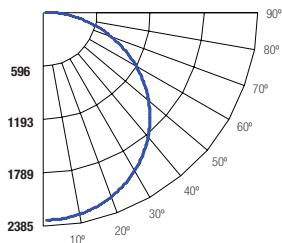
RW - Wall Reflectance

14-FPL-RHAPSODY-SOFT-COVE-14IN-4-6000L-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

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	93	89	92	89	86	88	86	84	82	
	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	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	25	35	29	24	23		