



<b>LUMENS</b>	2000, 3000, 5000, 8000, 11000	<b>DIAMETERS</b>	1' (20"), 2' (24"), 3' (35"), 4' (50")
<b>CCT &amp; TECHNOLOGIES</b>	3000K, 3500K, 4000K	<b>HEIGHTS</b>	8", 14", 25", 35"
<b>COLOR QUALITY</b>	3 Step MacAdam Ellipse	<b>FIXTURE FINISH</b>	BK (Black), WH (Matt White), SI (Silver), Custom RAL
<b>MOUNTING</b>	Pendant, Suspended	<b>MATERIAL COLORS</b>	Refer to SoftSense Material Color Chart
<b>DIMMING &amp; CONTROLS</b>	0-10V Flicker Free 1% Dimming Standard (DIM10) LUTH, DIMTR	<b>PHOTOMETRIC TESTS</b>	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.

**Turbine** - Elevate your space with this design's angled blades, delivering a clean and sophisticated look that seamlessly complements any environment with its variety in sizes and colors.



05.29.24

**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**

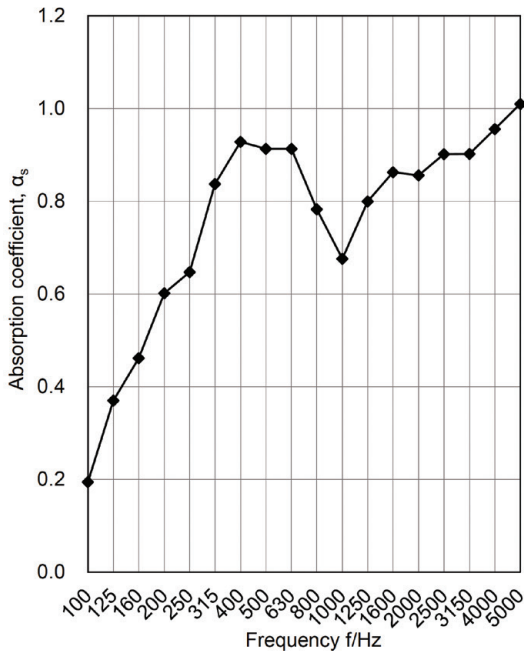
Our panels come in 4' x 8' and are made from 100% polyethylene terephthalate (PET), with 50% post-consumer recycled material. PET is a moisture resistant green product with no added chemicals, binders, adhesives or dyes.

**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**

Limited five-year warranty.

**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 - acoustic only, +/- 1lbs**

- 1' - 8 inches - 3lbs
- 2' - 8 inches - 4lbs
- 3' - 35 inches - 33lbs
- 4' - 14 inches - 18lbs

**LUMEN DETAILS**

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

DIRECT		
SIZE	LUMENS	WATTS
4 ft.	11000	175
3 ft.	8000	111
2 ft. / 3 ft.	5000	79
2 ft.	3000	46
1 ft.	2000	38

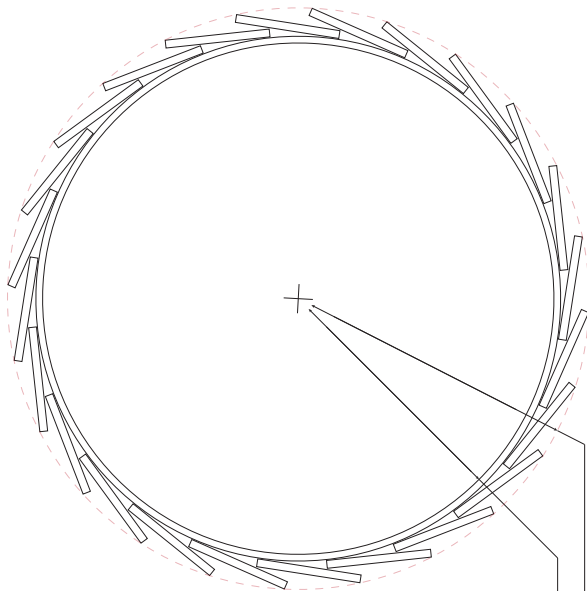
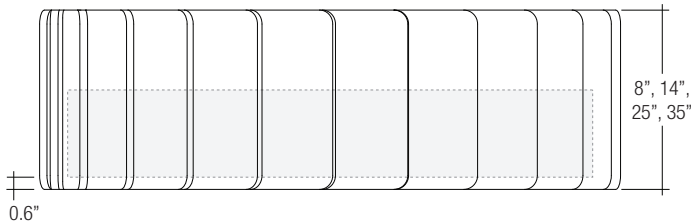
Example: **OPR-RHAPSODY-SOFT-TURBINE-8IN-2-3000L-DIM10-MVOLT-40K-85-WH-SM-GRN**

SERIES	STYLE	HEIGHT	SIZE	DIRECT LUMENS	DIMMING	VOLTAGE	CCT	CRI	EMERGENCY	FINISH	MOUNTING OPTIONS	COLOR	2 <sup>ND</sup> COLOR
OPR-RHAPSODY-SOFT SoftSense LED Pendant	TURBINE - Turbine	8IN - 8 in. 14IN - 14 in. 25IN - 25 in. 35IN - 35 in. XXIN <sup>1</sup> - custom	1 - 1.5 ft. 2 - 2 ft. 3 - 2.8 ft. 4 - 4 ft.	2000L - 2000 Lumens NLS <sup>2</sup> - no light source  3000L - 3000 Lumens 5000L - 5000 Lumens NLS <sup>2</sup> - no light source  5000L - 5000 Lumens 8000L - 8000 Lumens NLS <sup>2</sup> - no light source  11000L - 11000 Lumens NLS <sup>2</sup> - no light source	DIM10 - 0-10V Dimming LUTH - Lutron HiLumen DIMTR <sup>3</sup> - Triac Dimming	120 277 347 <sup>4</sup>	30K - 3000K 35K - 3500K 40K - 4000K	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 <sup>1</sup> - 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.	GRN	optional dual color

refer to SoftSense material color chart for options  
example: GRN - Green  
2<sup>ND</sup> color option will create a fixture with alternating colors.  
example: GRN-PUR - alternating Green and Purple

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

**DIMENSIONS**

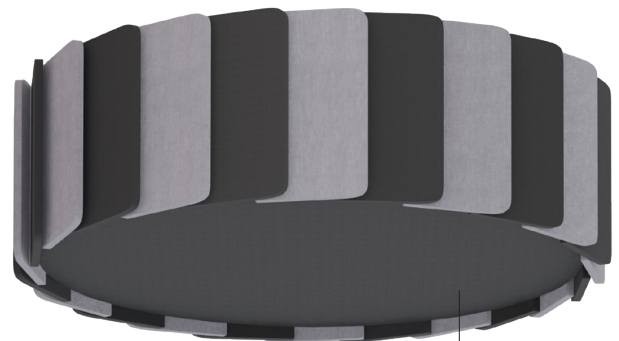


Ø 1' (20"), 2' (24"), 3' (35"), 4' (47")  
Ø with acoustic: 22.6" , 26.3" , 37.9" , 49.3"

**NLS - No Light Source**



**DUAL COLOR EXAMPLE: GRV-STN**



first color listed indicates blank cover

**Declare.**  
Label Pending

**SOFTSENSE MATERIAL COLOR CHART**

Panel Thickness: 9 mm / 0.35" (+/- 0.5 mm)

**ASTM E84-16 Fire Rated\***



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

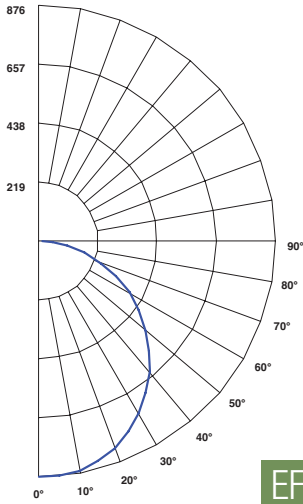
**OPR-RHAPSODY-SOFT-TURBINE-8IN-1-2000L-DIM10-MVOLT-40K-WH**

WATTAGE: **31.2**

LUMENS: **2334**

TOTAL LUMINAIRE EFFICACY: **75**

**Candle Power Distribution (Candelas)**



**Zonal Lumens Summary**

Zone	Lumens	%Fixt
0-30°	666.24	28.60
0-40°	1079.87	46.30
0-60°	1873.13	80.40
0-90°	2334.48	100.00
0-180°	2334.48	100.00

**Luminance Data (cd/sq.m)**

Angle In Degrees	Average 0°	Average 45°	Average 90°
45°	654	684	699
55°	613	653	674
65°	552	609	639
75°	436	526	576
85°	198	375	468

**Candela Tabulation**

	0	45	90
0	874.308	874.308	874.308
5	871.110	875.100	876.270
15	830.240	841.570	847.070
25	756.450	773.540	782.400
35	657.480	678.950	690.060
45	540.680	565.040	577.900
55	410.990	437.700	451.830
65	272.610	300.840	315.720
75	131.830	159.130	174.180
85	20.120	38.190	47.640
90	1.060	6.030	12.550

**Spacing Criteria**

0-180	: 1.22
90-270	: 1.26
Diagonal	: 1.34

**EFFICACY: 75 LM/W**

**Coefficients of Utilization - Zonal Cavity Method**  
Effective Floor Cavity Reflectance 20% = PF

ROOM CAVITY RATIO	RC RW	80%			70%			50%	50%	10%	50%	30%	10%	50%	10%	0%
		70%	50%	30%	70%	50%	30%									
0	119	119	119	119	116	116	116	111	111	107	107	1	102	1	102	100
1	109	104	100	96	106	102	98	9	98	9	92	9	8	90	8	86
2	99	9	79	97	89	8	78	86	81	7	83	7	74	80	76	
3	91	8	66	88	79	7	65	76	69	6	73	6	63	70	66	
4	83	7	56	81	70	6	55	67	60	5	65	5	54	63	58	
5	76	6	48	74	63	5	48	60	53	4	58	4	47	57	51	
6	71	5	42	69	56	4	42	55	47	4	53	4	41	51	45	
7	66	5	37	64	51	4	37	50	42	3	48	4	37	47	41	
8	61	4	33	59	47	3	33	46	38	3	44	3	33	43	37	
9	57	4	30	56	43	3	30	42	35	3	41	3	30	40	34	
10	54	4	27	52	40	3	27	39	32	2	38	3	27	37	31	

RC - Ceiling Cavity Reflectance

RW - Wall Reflectance

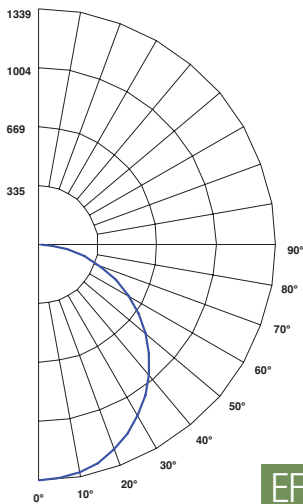
**OPR-RHAPSODY-SOFT-TURBINE-8IN-2-3000L-DIM10-MVOLT-40K-WH**

WATTAGE: **50.1**

LUMENS: **3637**

TOTAL LUMINAIRE EFFICACY: **73**

**Candle Power Distribution (Candelas)**



**Zonal Lumens Summary**

Zone	Lumens	%Fixt
0-30°	1024.69	28.20
0-40°	1665.31	45.90
0-60°	2910.37	80.10
0-90°	3637.28	100.00
0-180°	3637.28	100.00

**Luminance Data (cd/sq.m)**

Angle In Degrees	Average 0°	Average 45°	Average 90°
45°	1062	1042	1019
55°	1024	1000	965
65°	972	939	883
75°	883	835	732
85°	691	593	379

**Candela Tabulation**

	0	45	90
0	1338.653	1338.653	1338.653
5	1334.080	1329.570	1327.120
15	1284.940	1275.520	1268.150
25	1185.460	1172.340	1160.730
35	1046.610	1031.180	1015.600
45	877.290	861.030	841.900
55	686.220	670.230	646.730
65	480.050	463.930	436.060
75	267.030	252.570	221.320
85	70.410	60.370	38.580
90	13.520	7.850	1.660

**Spacing Criteria**

0-180	: 1.26
90-270	: 1.22
Diagonal	: 1.36

**EFFICACY: 73 LM/W**

**Coefficients of Utilization - Zonal Cavity Method**  
Effective Floor Cavity Reflectance 20% = PF

ROOM CAVITY RATIO	RC RW	80%			70%			50%	50%	10%	50%	30%	10%	50%	10%	0%
		70%	50%	30%	70%	50%	30%									
0	119	119	119	119	116	116	116	111	111	107	107	1	102	1	102	100
1	109	104	100	96	106	102	98	9	98	9	92	9	8	90	8	86
2	99	9	79	97	89	8	78	86	81	7	82	7	74	79	76	
3	91	8	66	88	79	7	65	76	69	6	73	6	63	70	66	
4	83	7	56	81	70	6	55	67	60	5	65	5	54	63	57	
5	76	6	48	74	62	5	48	60	53	4	58	4	47	56	51	
6	71	5	42	69	56	4	42	54	47	4	53	4	41	51	45	
7	65	5	37	64	51	4	37	50	42	3	48	4	36	47	41	
8	61	4	33	59	47	3	33	45	38	3	44	3	33	43	37	
9	57	4	30	55	43	3	30	42	35	2	41	3	29	40	34	
10	54	4	27	52	40	3	27	39	32	2	38	3	27	37	31	

RC - Ceiling Cavity Reflectance

RW - Wall Reflectance

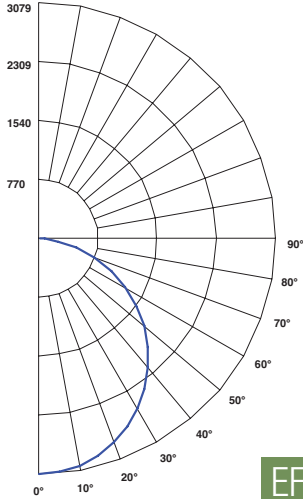
**OPR-RHAPSODY-SOFT-TURBINE-8IN-3-8000L-DIM10-MVOLT-40K-WH**

WATTAGE: **119.5**

LUMENS: **8694**

TOTAL LUMINAIRE EFFICACY: **73**

**Candle Power Distribution (Candelas)**



**Zonal Lumens Summary**

Zone	Lumens	%Fixt
0-30°	2384.22	27.50
0-40°	3901.76	44.90
0-60°	6891.74	79.40
0-90°	8693.56	100.00
0-180°	8693.56	100.00

**Luminance Data (cd/sq.m)**

Angle In Degrees	Average 0°	Average 45°	Average 90°
45°	2426	2366	2364
55°	2306	2221	2223
65°	2088	1968	1978
75°	1647	1453	1476
85°	613	414	431

**Candela Tabulation**

	0	45	90
0	3079.291	3079.291	3079.291
5	3063.680	3054.940	3054.260
15	2941.650	2919.930	2918.020
25	2717.110	2682.140	2680.090
35	2399.560	2356.800	2354.480
45	2004.920	1954.650	1953.700
55	1545.840	1488.600	1490.240
65	1031.270	972.110	976.750
75	498.160	439.410	446.380
85	62.480	42.180	43.860
90	4.340	4.690	4.670

**Spacing Criteria**

0-180	: 1.24
90-270	: 1.24
Diagonal	: 1.38

**EFFICACY: 73 LM/W**

**Coefficients of Utilization - Zonal Cavity Method**  
Effective Floor Cavity Reflectance 20% = PF

RC	RW	80%			70%			50%			30%			10%			0%		
		70%	50%	30%	70%	50%	30%	50%	3	10%	50%	3	10%	50%	3	10%	0%		
0	119	119	119	119	116	116	116	111	111	111	107	107	1	102	1	102	100		
1	109	104	100	96	106	106	102	98	9	98	9	91	8	90	8	86	84		
2	99	9	78	96	89	8	77	85	80	7	82	7	74	79	75				
3	90	8	65	88	78	7	64	75	69	6	72	6	62	70	65				
4	83	7	55	80	69	6	55	67	60	5	64	5	53	62	57				
5	76	6	47	74	62	5	47	60	52	4	59	5	46	56	50				
6	70	5	41	68	56	4	41	54	46	4	52	4	40	51	45				
7	65	5	36	63	51	4	36	49	41	3	48	4	36	46	40				
8	60	4	32	59	46	3	32	45	37	3	44	3	32	42	36				
9	57	4	29	55	42	3	29	41	34	2	40	3	29	39	33				
10	53	4	26	52	39	3	26	38	31	2	37	3	26	36	30				

RC - Ceiling Cavity Reflectance

RW - Wall Reflectance

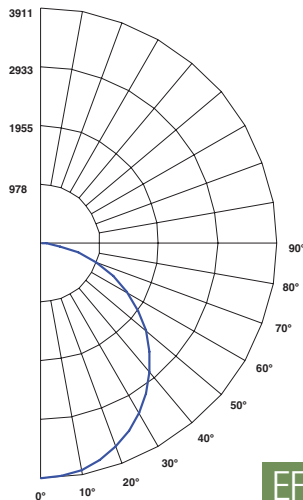
**OPR-RHAPSODY-SOFT-TURBINE-8IN-4-11000L-DIM10-MVOLT-40K-WH**

WATTAGE: **152.8**

LUMENS: **11041**

TOTAL LUMINAIRE EFFICACY: **72**

**Candle Power Distribution (Candelas)**



**Zonal Lumens Summary**

Zone	Lumens	%Fixt
0-30°	3027.96	N.A.
0-40°	4955.24	N.A.
0-60°	8752.51	N.A.
0-90°	11040.82	N.A.
0-180°	11040.82	N.A.

**Luminance Data (cd/sq.m)**

Angle In Degrees	Average 0°	Average 45°	Average 90°
45°	3082	3004	3003
55°	2929	2821	2824
65°	2652	2500	2512
75°	2092	1845	1874
85°	779	526	547

**Candela Tabulation**

	0	45	90
0	3910.700	3910.700	3910.700
5	3890.874	3879.774	3878.910
15	3735.895	3708.311	3705.885
25	3450.730	3406.318	3403.714
35	3047.441	2993.136	2990.190
45	2546.248	2482.405	2481.199
55	1963.217	1890.522	1892.605
65	1309.713	1234.580	1240.472
75	632.663	558.051	566.903
85	79.350	53.569	55.702
90	5.512	5.956	5.931

**Spacing Criteria**

0-180	: 1.24
90-270	: 1.24
Diagonal	: 1.38

**EFFICACY: 72 LM/W**

**Coefficients of Utilization - Zonal Cavity Method**  
Effective Floor Cavity Reflectance 20% = PF

RC	RW	80%			70%			50%			30%			10%			0%		
		70%	50%	30%	70%	50%	30%	50%	3	10%	50%	3	10%	50%	3	10%	0%		
0	119	119	119	119	116	116	116	111	111	111	106	106	1	102	1	102	100		
1	109	104	100	96	106	106	102	98	9	98	9	91	8	90	8	86	84		
2	99	9	78	96	89	8	77	85	80	7	82	7	74	79	75				
3	90	8	65	88	78	7	64	75	69	6	72	6	62	70	65				
4	83	7	55	80	69	6	55	67	59	5	64	5	53	62	57				
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6	70	5	41	68	56	4	41	54	46	4	52	4	40	51	45				
7	65	5	36	63	51	4	36	49	41	3	48	4	36	46	40				
8	60	4	32	59	46	3	32	45	37	3	44	3	32	42	36				
9	56	4	29	55	42	3	29	41	34	2	40	3	29	39	33				
10	53	4	26	52	39	3	26	38	31	2	37	3	26	36	30				

RC - Ceiling Cavity Reflectance

RW - Wall Reflectance