



LUMENS	3000, 5000, 8000	DIAMETERS	46", 56"
CCT & TECHNOLOGIES	3000K, 3500K, 4000K	HEIGHT	24", 32"
COLOR QUALITY	3 Step MacAdam Ellipse	FIXTURE FINISH	BK (Black), WH (Matt White), SI (Silver), Custom RAL
MOUNTING	Pendant, Suspended	MATERIAL COLORS	Refer to SoftSense Material Color Chart
DIMMING & CONTROLS	0-10V Flicker Free 1% Dimming Standard (DIM10) LUTH, DIMTR	PHOTOMETRIC TESTS	In Accordance with IES LM79-08 and LM-80, and TM-30

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 **Birch** model is distinguished by its geometric, multi-bladed composition. Surrounding the luminaire, sculptural acoustic blades create a striking architectural presence while gently absorbing sound. Meticulously designed to elevate both acoustics and visual impact, it introduces depth, texture, and a refined sense of sophistication to modern interiors.



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

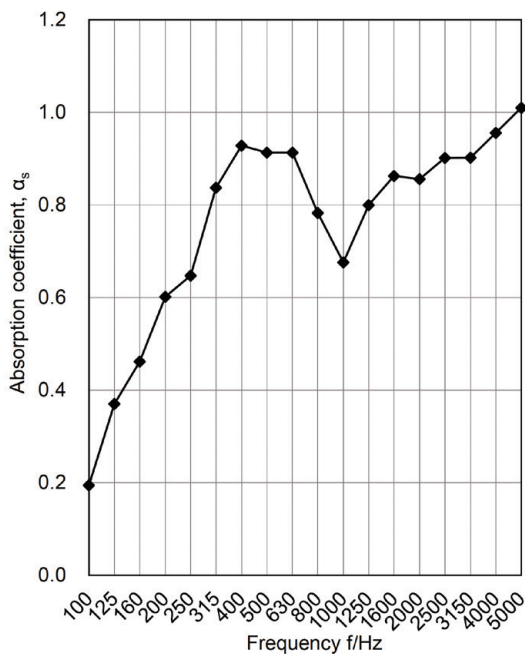
Due to variations in production batches, slight color differences may occur in the acoustic material. While we strive for consistency, exact color matches cannot be guaranteed.

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.

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.



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.

OPTICS & PERFORMANCE

The light engines found in the AP-SOLARIS-LED are rated at 90+ 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.

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. Comes standard with 0-10V dimming on either 120V-277 V.

DIMMING

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

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

MOUNTING

Comes standard in adjustable cable suspension system providing fast installation into a variety of interior heights, including sloped ceilings. Available with Side Canopy Mounting & Central Canopy Mounting. Mounts to 3.5" and 4" octagonal junction box.

WARRANTY

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

LISTINGS

cULus - 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 Dry 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.

LUMEN DETAILS

Based on 4000K, 90+ CRI.

Actual wattage may vary +/- 5%

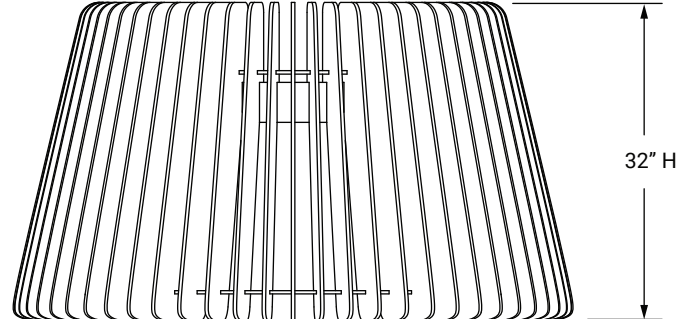
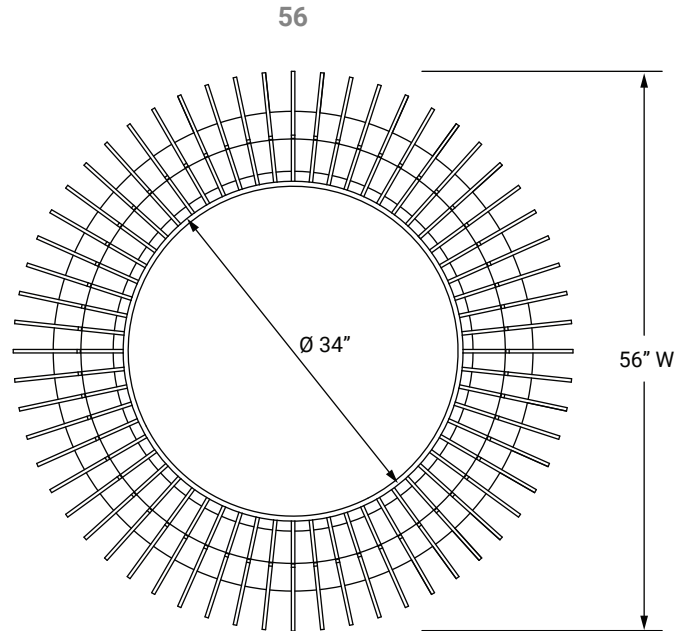
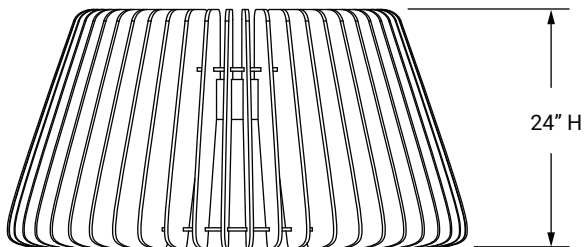
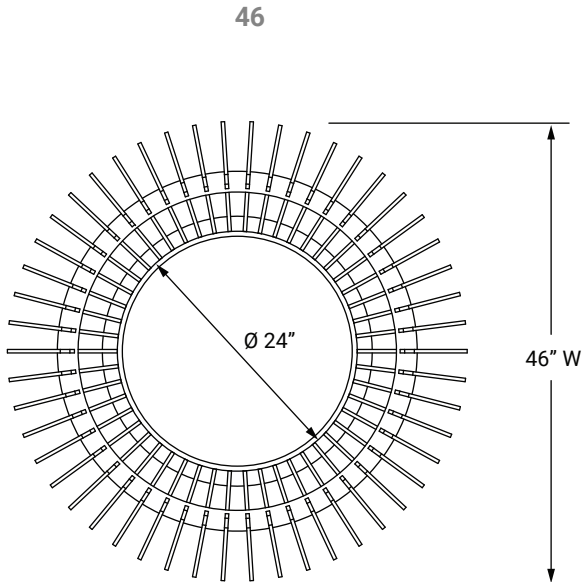
DIRECT		
SIZE	LUMENS	WATTS
3 ft.	8000	111
2 ft	3000	46

Example: **OPR-RHAPSODY-SOFT-BIRCH-46IN-3000L-DIM10-MVOLT-40K-80-WH-CCM10-GRN**

OPR-RHAPSODY-SOFT											GRN
SERIES	STYLE	SIZE	LUMENS	DIMMING	VOLTAGE	CCT	CRI	EMERGENCY	FINISH	MOUNTING OPTIONS	ACOUSTIC COLOR
OPR-RHAPSODY-SOFT SoftSense LED Pendant	WILLOW - Willow	46IN - 46" W x 24" H	3000L - 3000 Lumens 5000L - 5000 Lumens NLS ² - no light source	DIM10 - 0-10V Dimming ³ DIMTR - Triac Dimming ⁴	120 MVOLT ³	30K - 3000K 35K - 3500K 40K - 4000K	85	0-EMG-LED-25W	WH - Matte White BK - Black SI - Silver RAL ⁵ - custom color	CCM10 - Central canopy mounting 10' CCM20 - Central canopy mounting 20' SCM10 - Side canopy mounting 10' SCM20 - Side canopy mounting 20'	Refer to SoftSense material color chart for options example: GRN - Green ² "color" option will create a fixture with alternating colors example: GRN PUR - alternating Green and Purple
		56IN - 56" W x 32" H	5000L - 5000 Lumens 8000L - 8000 Lumens NLS ² - no light source								
		CUS - custom ¹	NLS ² - no light source								

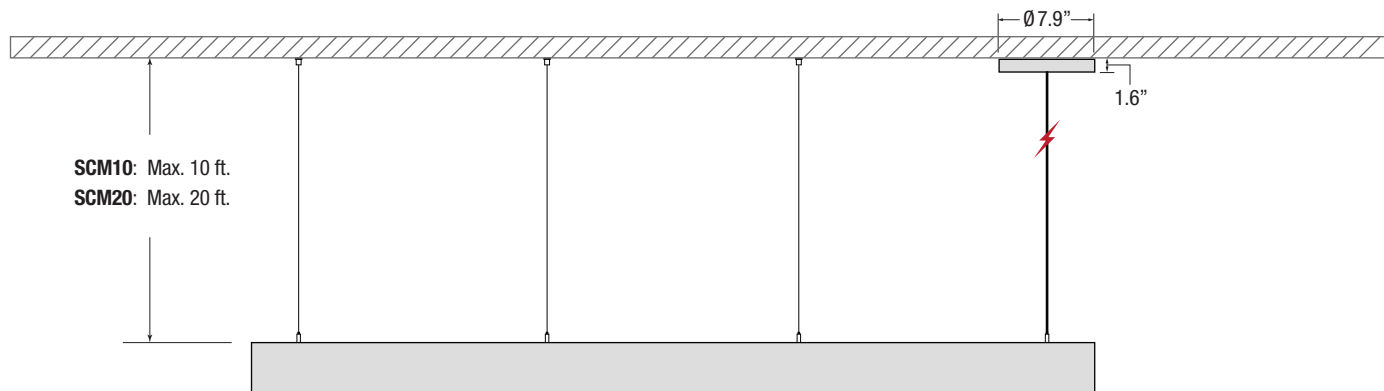
- 1 Consult Factory
- 2 No Light Source, please skip to "Mounting Option"
- 3 DIM10 available in 120V thru 277V input (DIM10-MVOLT)
- 4 DIMTR available with 120V only (DIMTR-120).

DIMENSIONS

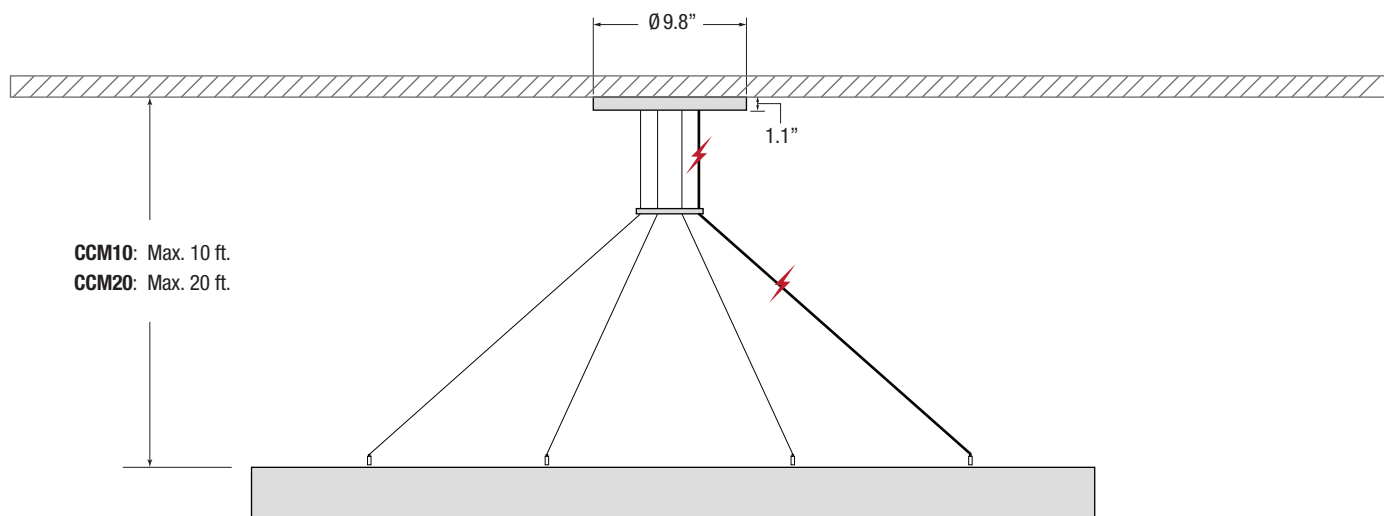


MOUNTING

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

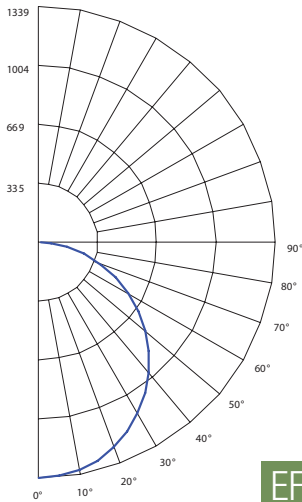
OPR-RHAPSODY-SOFT-BIRCH-48IN-3000L-DIM10-MVOLT-40K-WH

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

	RC	80%				70%				50%				30%				10%				0%	
		70%	50%	30%		70%	50%	30%		50%	3	10%	50%	3	10%	50%	3	10%	0%	0%			
ROOM CAVITY RATIO	0	119	119	119	119	116	116	116	116	111	111	111	107	107	1	102	1	102	100				
	1	109	104	100	96	106	102	98	9	98	9	92	9	91	8	90	8	86	84				
	2	99	9	79	79	87	89	8	78	86	81	7	82	7	74	79	76						
	3	91	8	66	66	78	79	6	65	76	69	6	73	6	63	70	66						
	4	83	7	56	56	81	70	6	55	67	60	5	65	5	54	63	57						
	5	76	6	48	48	74	62	5	48	60	53	4	58	5	47	56	51						
	6	71	5	42	42	69	56	4	42	54	47	4	53	4	41	51	45						
	7	65	5	37	37	64	51	4	37	50	42	3	48	4	36	47	41						
	8	61	4	33	33	59	47	3	33	45	38	3	44	3	33	43	37						
	9	57	4	30	30	55	43	3	30	42	35	2	41	3	29	40	34						
10	53	4	27	27	52	40	3	27	39	32	2	38	3	27	37	31							
RC - Ceiling Cavity Reflectance					RW - Wall Reflectance																		

RC - Ceiling Cavity Reflectance

RW - Wall Reflectance

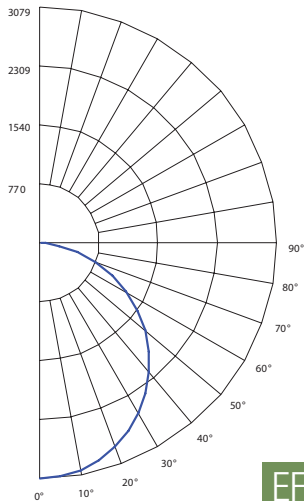
OPR-RHAPSODY-SOFT-BIRCH -58IN-8000L-DIM10-MVOLT-40K-WH

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%			
ROOM CAVITY RATIO	0	119	119	119	119	116	116	116	116	111	111	111	107	107	1	102	1	102	100					
	1	109	104	100	96	106	102	98	9	98	9	92	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	6	64	5	53	62	57								
	5	76	6	47	74	62	5	47	60	52	4	58	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																			

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