

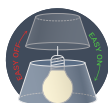


LUMENS	2000 / 3000 / 4000	CRI	85+ Standard
CCT	3500K / 4000K / 5000K	COLOR QUALITY	3 Step MacAdam Ellipse
DIMMING & CONTROLS	0-10V Flicker Free 1% Dimming Standard (DIM10)	EMERGENCY	10W - Up to 1000L output (Bodine BSL310) 20W - Up to 2000L output (Bodine BSL20)
OPERATING TEMPERATURE	-20°C (-4°F) to 40°C (104°F)	MATERIAL COLORS	Refer to SoftSense Material Color Chart
LIFETIME	L70 at 167,000 Hours	PHOTOMETRIC TESTS	In Accordance w/ IES LM79-08 and LM-80, and TM-30, TM-21

"Rondo" family consists of acoustic treatment for ceiling tiles. Simply pop them into your T-bar grid system to add depth and texture to your ceiling while lowering the reverberation rate of your space.

This fixture combines acoustic performance with architectural lighting through an illuminated perimeter frame for standard T-grid ceilings. The open center, filled with acoustic material instead of a conventional ceiling tile, provides sound absorption while maintaining a clean, minimalist aesthetic that enhances both visual and acoustic comfort.

*available in sizes: 1x4', 2x2', 2x4'



CONSTRUCTION

Extruded aluminum frame, lightweight with a total installation depth of 2.1", compatible with standard 15/16" or 9/16" T-grid ceiling systems. Remote driver mounts behind the frame and is easily accessible for maintenance, with a DC cable on the luminaire body connecting to the driver. Acoustic inserts are recessed inside the frame, providing depth, texture, and sound absorption while maintaining a sleek, minimal profile.

Rating: IP20 construction for protection against dust in dry indoor environments. Not suitable for wet, damp, or outdoor locations.

Controls: Selectable CCT and lumen settings accessible via a switch on the side of the driver.

ACOUSTIC MATERIAL - 9mm / 0.35" Thickness

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.

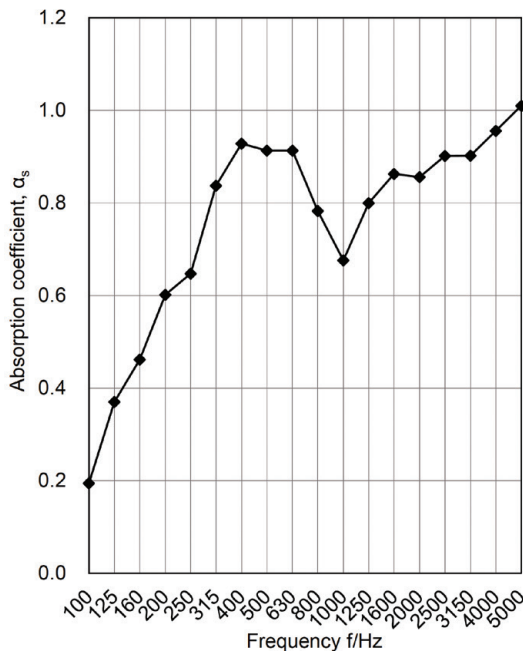
ACOUSTIC PANEL PERFORMANCE - 4' x 8' Panels

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.



OPTICS

A polycarbonate frame lens provides smooth, glare-free light diffusion and features a wide distribution, with a minimum beam angle of 100° and a maximum of 110°.

DRIVER ELECTRICAL INFORMATION

Powered by high-quality constant-current power LED drivers which are rated for 50 to 60 Hz at 120/277V input., produce less than 20% THD, and have a power factor of 0.90 to 1.00.

Driver includes dimming control wiring for 0-10V dimming systems. Inaudible in a 24dBA ambient noise level.

MOUNTING

Suitable for recessed T-grid ceiling mounting. The fixture can be easily installed into an existing grid system without a flange kit. Equipped with a pre-attached earthquake clip for added safety during emergencies.

MULTI-LUMEN, MULTI-CCT SWITCH

Convenient multi-lumen and multi-CCT selector switches are located on the side of the remote-mounted driver, allowing lumen intensity and CCT to be adjusted in the field.

OPTIONS & ACCESSORIES

Emergency battery backup available to order in 10W or 20W.

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)

c-UL-us - Listed for Feed Through Wiring. (luminaire only)

Listed for DLC, California Title 24 compliant.

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.

NOTE

Please refer to "22-LB-LED-ML-CCT" for more information on the luminaire used.

This style of acoustic can be used with any of our frame luminaires. Please consult factory for details.

LUMEN DETAILS

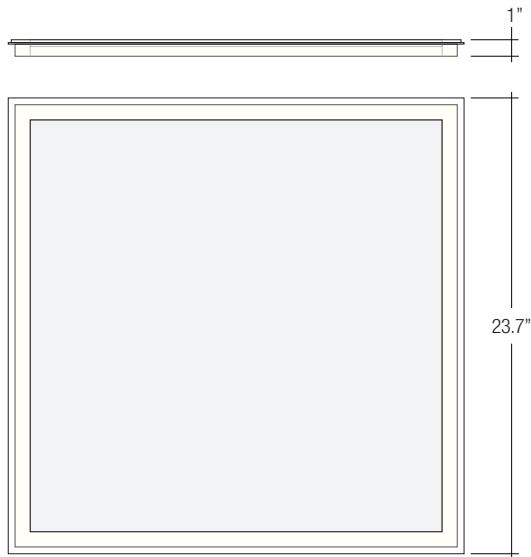
Based on 4000K, 85+ CRI. Actual wattage may vary +/- 5%

2000/3000/4000		
NOMINAL LUMENS	DELIVERED LUMENS	WATTS
4000	4123	35
3000	3057	25
2000	2046	16

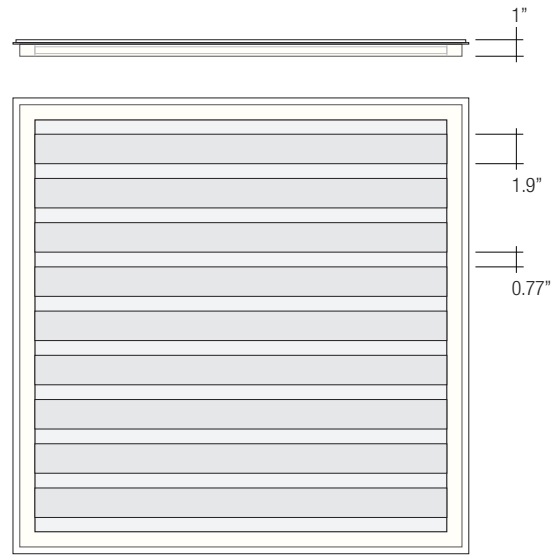
Example: **22-LB-RONDO-SOFT-2000L/3000L/4000L-DIM10-MVOLT-35K/40K/50K-85-GRN**

22	LB-RONDO-SOFT							GRN	
FIXTURE SIZE	SERIES	STYLE	LUMENS	DIMMING	VOLTAGE	CCT	CRI	COLOR	2 ND COLOR
22 - 2' X 2'	LB-RONDO-SOFT LED Frame Luminaire with Acoustic Treatment	STANDARD - [BLANK] SLAT - Slat	2000L/3000L/4000L	DIM10 - 0-10V Dimming	MVOLT	35K/40K/50K	85	refer to SoftSense material color chart for options example: GRN - Green	dual color ("slat" only)
									2 ND color option will indicate dual color example: GRN-PUR - Green backing and Plum Slats

DIMENSIONS / STYLES

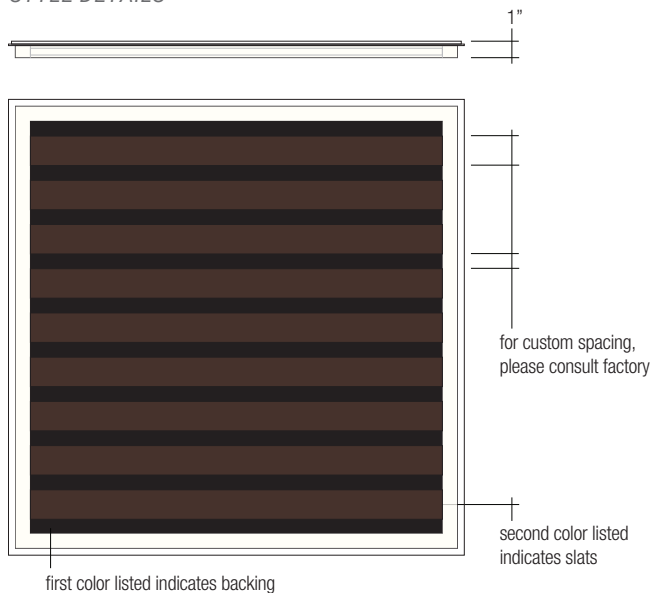


22-LB-RONDO-SOFT



22-LB-RONDO-SOFT-SLAT

SLAT STYLE DETAILS



DUAL COLOR EXAMPLE: ABS-WD-WNG

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



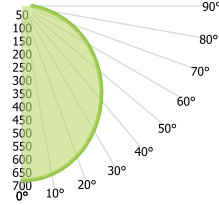
quick ship available for any color depending on order quantity
*all colors are ASTM E84-16 fire rated, select colors are available as Class A

*** 22-LB-LED-2000L-3000L-4000L-DIM10-MVOLT-35K-40K-50K-85(2000L)**

TEST NO.: **EL08152423**

INPUT WATTS: **16.8** LUMENS: **2046** EFFICACY: **122** BEAM ANGLE: **110** SPACING CRITERIA: **1.21 x 1.21**

CANDELA DISTRIBUTION



CANDELA TABLE

	0°	90°
0°	664	663
10°	650	649
20°	608	608
30°	546	545
40°	467	466
50°	380	377
60°	287	283
70°	192	187
80°	100	96
90°	38	32

LUMINANCE (cd/sq.m)

	0.00°	90.00°
0.00°	1786	1784
45.00°	1615	1608
55.00°	1566	1553
65.00°	1527	1499
75.00°	1503	1454
85.00°	1936	1816

LUMENS PER ZONE

ZONE	LUMENS
0° - 10°	63
10° - 20°	179
20° - 30°	268
30° - 40°	319
40° - 50°	329
50° - 60°	301
60° - 70°	240
70° - 80°	156
80° - 90°	74

ZONAL LUMEN SUMMARY

ZONE	UMENS	% LUMINAIRE
0° - 20°	241	12%
0° - 30°	509	25%
0° - 40°	828	40%
0° - 60°	1459	71%
0° - 80°	1855	91%
0° - 90°	1929	94%

CONE OF LIGHT

MOUNTING HEIGHT	FC AT BEAM CENTER	BEAM DIA. 0°-180°	BEAM DIA. 90°-270°
6.0 ft	18.4 fc	17.2 ft	17.3 ft
8.0 ft	10.4 fc	23.0 ft	23.1 ft
10.0 ft	6.6 fc	28.7 ft	28.8 ft
12.0 ft	4.6 fc	34.5 ft	34.6 ft
14.0 ft	3.4 fc	40.2 ft	40.4 ft
16.0 ft	2.6 fc	46.0 ft	46.2 ft
18.0 ft	2.0 fc	51.7 ft	51.9 ft
20.0 ft	1.7 fc	57.5 ft	57.7 ft

INDOOR COEFFICIENTS OF UTILIZATION

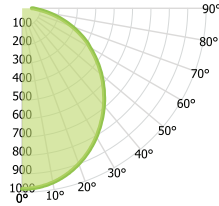
pc	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%
0	118	118	118	118	114	114	114	114	108	108	108	102	102	102	97	97	97	94
1	107	101	97	93	103	99	94	91	93	90	87	88	86	83	84	82	80	77
2	97	88	81	75	93	86	79	73	81	76	71	77	72	68	73	69	66	64
3	88	77	69	62	85	75	67	61	71	65	59	68	62	57	64	60	56	53
4	80	68	59	52	78	66	58	52	63	56	50	60	54	49	57	52	48	45
5	74	61	52	45	71	59	51	44	57	49	43	54	47	42	52	46	41	39
6	68	55	46	39	66	53	45	39	51	44	38	49	42	37	47	41	36	34
7	63	50	41	34	61	48	40	34	46	39	34	44	38	33	43	37	32	30
8	59	45	37	31	57	44	36	30	42	35	30	41	34	29	39	33	29	27
9	55	41	33	28	53	41	33	27	39	32	27	38	31	26	36	30	26	24
10	51	38	30	25	50	37	30	25	36	29	24	35	29	24	34	28	24	22

*** 22-LB-LED-2000L-3000L-4000L-DIM10-MVOLT-35K-40K-50K-85(3000L)**

TEST NO.: **EL08152423**

INPUT WATTS: **25.8** LUMENS: **3057** EFFICACY: **118** BEAM ANGLE: **111** SPACING CRITERIA: **1.21**

CANDELA DISTRIBUTION



CANDELA TABLE

	0°	90°
0°	982	978
10°	962	958
20°	900	912
30°	807	817
40°	691	699
50°	562	566
60°	425	425
70°	288	281
80°	150	143
90°	53	48

LUMINANCE (cd/sq.m)

	0.00°	90.00°
0.00°	2641	2632
45.00°	2390	2412
55.00°	2317	2328
65.00°	2290	2249
75.00°	2257	2179
85.00°	2895	2729

LUMENS PER ZONE

ZONE	LUMENS
0° - 10°	93
10° - 20°	265
20° - 30°	399
30° - 40°	476
40° - 50°	492
50° - 60°	450
60° - 70°	361
70° - 80°	235
80° - 90°	112

ZONAL LUMEN SUMMARY

ZONE	UMENS	% LUMINAIRE
0° - 20°	358	12%
0° - 30°	757	25%
0° - 40°	1233	40%
0° - 60°	2174	71%
0° - 80°	2770	91%
0° - 90°	2882	94%

CONE OF LIGHT

MOUNTING HEIGHT	FC AT BEAM CENTER	BEAM DIA. 0°-180°	BEAM DIA. 90°-270°
6.0 ft	27.3 fc	17.4 ft	17.4 ft
8.0 ft	15.3 fc	23.2 ft	23.2 ft
10.0 ft	9.8 fc	29.0 ft	29.0 ft
12.0 ft	6.8 fc	34.8 ft	34.8 ft
14.0 ft	5.0 fc	40.6 ft	40.6 ft
16.0 ft	3.8 fc	46.4 ft	46.3 ft
18.0 ft	3.0 fc	52.2 ft	52.1 ft
20.0 ft	2.5 fc	58.0 ft	57.9 ft

INDOOR COEFFICIENTS OF UTILIZATION

pc	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%
0	118	118	118	118	114	114	114	114	108	108	108	102	102	102	97	97	97	94
1	107	101	97	93	103	98	94	91	93	90	87	88	85	83	84	82	79	77
2	97	88	81	75	93	85	79	73	81	75	71	77	72	68	73	69	66	63
3	88	77	69	62	85	75	67	61	71	64	59	68	62	57	64	60	56	53
4	80	68	59	52	78	66	58	51	63	56	50	60	54	49	57	52	48	45
5	74	61	52	45	71	59	51	44	56	49	43	54	47	42	51	46	41	39
6	68	55	46	39	66	53	45	39	51	43	38	49	42	37	47	41	36	34
7	63	49	41	34	61	48	40	34	46	39	33	44	38	33	43	37	32	30
8	59	45	37	31	57	44	36	30	42	35	30	41	34	29	39	33	29	27
9	55	41	33	28	53	41	33	27	39	32	27	37	31	26	36	30	26	24
10	51	38	30	25	50	37	30	25	36	29	24	35	28	24	34	28	24	22

* 22-LB-LED-2000L-3000L-4000L-DIM10-MVOLT-35K-40K-50K-85(4000L)

TEST NO.: **EL08152423**

INPUT WATTS: **35.8**

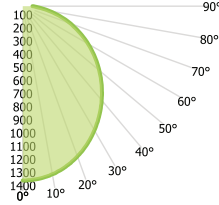
LUMENS: **4123**

EFFICACY: **115**

BEAM ANGLE: **110**

SPACING CRITERIA: **1.21**

CANDELA DISTRIBUTION



CANDELA TABLE

	0°	90°
0°	1326	1337
10°	1298	1310
20°	1216	1228
30°	1091	1100
40°	934	941
50°	760	776
60°	574	583
70°	389	386
80°	201	197
90°	74	69

LUMINANCE (cd/sq.m)

	0.00°	90.00°
0.00°	3567	3598
45.00°	3233	3305
55.00°	3134	3191
65.00°	3052	3087
75.00°	3049	3005
85.00°	3901	3716

LUMENS PER ZONE

ZONE	LUMENS
0° - 10°	126
10° - 20°	357
20° - 30°	536
30° - 40°	639
40° - 50°	665
50° - 60°	609
60° - 70°	486
70° - 80°	318
80° - 90°	151

ZONAL LUMEN SUMMARY

ZONE	UMENS	% LUMINAIRE
0° - 20°	483	12%
0° - 30°	1019	25%
0° - 40°	1658	40%
0° - 60°	2932	71%
0° - 80°	3735	91%
0° - 90°	3886	94%

CONE OF LIGHT

MOUNTING HEIGHT	FC AT BEAM CENTER	BEAM DIA. 0°-180°	BEAM DIA. 90°-270°
6.0 ft	36.8 fc	17.3 ft	17.5 ft
8.0 ft	20.7 fc	23.0 ft	23.4 ft
10.0 ft	13.3 fc	28.8 ft	29.2 ft
12.0 ft	9.2 fc	34.5 ft	35.1 ft
14.0 ft	6.8 fc	40.3 ft	40.9 ft
16.0 ft	5.2 fc	46.0 ft	46.7 ft
18.0 ft	4.1 fc	51.8 ft	52.6 ft
20.0 ft	3.3 fc	57.5 ft	58.4 ft

INDOOR COEFFICIENTS OF UTILIZATION

	pf	20%																0%
pc		80%				70%				50%				30%				0%
pw	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%
0	118	118	118	118	114	114	114	114	108	108	108	102	102	102	97	97	97	94
1	106	101	97	93	103	98	94	90	93	90	87	88	85	83	84	81	79	77
2	96	88	81	75	93	85	79	73	81	75	71	77	72	68	73	69	66	63
3	88	77	68	62	85	75	67	61	71	64	59	67	62	57	64	60	56	53
4	80	68	59	52	77	66	58	51	63	56	50	60	54	49	57	52	48	45
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6	68	55	45	39	66	53	45	39	51	43	38	49	42	37	47	41	36	34
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8	59	45	36	31	57	44	36	30	42	35	30	41	34	29	39	33	29	27
9	55	41	33	27	53	41	33	27	39	32	27	37	31	26	36	30	26	24
10	51	38	30	25	50	37	30	25	36	29	24	35	28	24	33	28	24	22

