Acoustic Dial Solid Overview

Specifications

SHADES

9mm thick Sola Felt is a PET material, manufactured with 50% post-consumer recycled content. Sola Felt is a LBC Red List Free labeled product, eligible for LEED, Living Building Challenge, and other green building certification credits. Frosted acrylic diffuser tube with removable acrylic bottom diffuser at bottom (for changing optic kits or relamping E26 version). Contact your local sales rep for material samples.

CONSTRUCTION

1/16" 3form Varia. White Opal top and bottom difuser. 9mm thick PET felt manufactured with 50% post-consumer recycled content. Contact your local rep for material samples.

LIGHTING

Solid state LED system
120v–277v input
0–10v dimming compatible

LUMEN MAINTENANCE

Reported:	Calculated:
L90: >55,000 hours	L70: >180,000 hours
	L80: >120,000 hours
	EPA TM21 calculator derived

PHOTOMETRICS

Consult factory or website for IES files, tested in accordance with IESNA LM79.

HARDWARE

TGIC-free powder coat. Stainless steel cables with nickel-plated cable gripper allows for adjustable hanging height. Made with RoHS compliant parts.

MOUNTING

Canopy mounts to 4" octagonal junction box or appropriate alternative. Adjustable stainless steel aircraft cable, contact studio for lengths over 20'.

WARRANTY

5 year warranty on all standard components. LED system rated for operation in ambient environments up to 25°C. Suitable for Dry or Damp locations. Indoor use only

CERTIFICATION

CSA certified to CSA C22.2 No. 250.0, and conforms to UL standard 1598.

CLEANING & CARE

The best way to remove airborne debris and dust from shades is to periodically vacuum. A Swiffer sheet or feathered duster can also be used for light dusting. To treat liquid stains, remove spills immediately with a clean damp cotton cloth or with detergent soap and warm water. Carpet and fabric cleaners can usually be used. Always test an inconspicuous area before applying cleaners to the actual stain.

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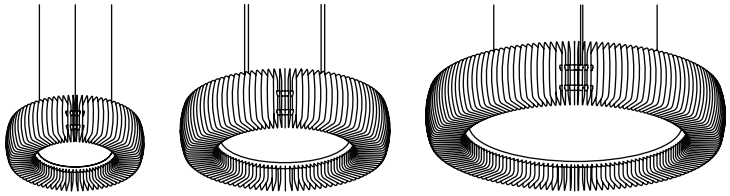
Acoustic Dial Solid Fixture Options

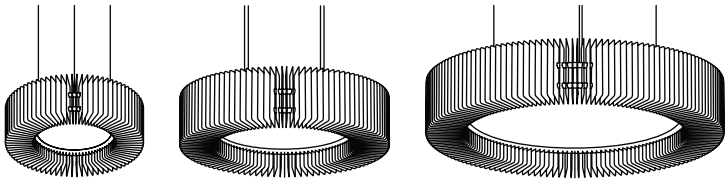
DIMENSIONS *All pendants have a 11.5" Height.*

FIN STYLE A



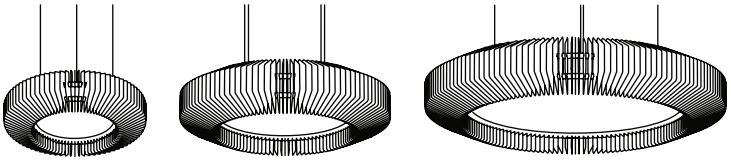
37" DIAMETER 27LBS | 45" DIAMETER 39LBS | 59" DIAMETER 65LBS

FIN STYLE B



37" DIAMETER 27LBS | 45" DIAMETER 39LBS | 59" DIAMETER 65LBS

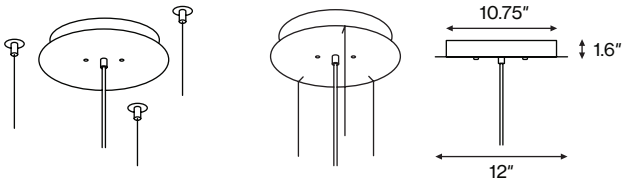
FIN STYLE C



37" DIAMETER 27LBS | 45" DIAMETER 39LBS | 59" DIAMETER 65LBS

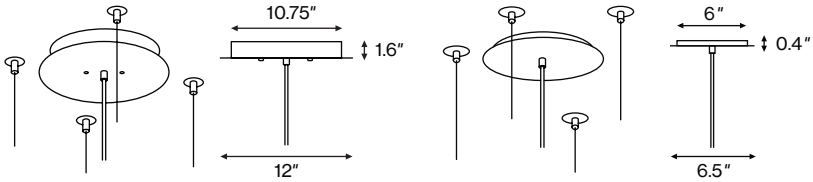
CEILING CONNECTIONS

37" DIAMETER *Available in both Recessed and Surface Mount canopys. For recessed canopy, cut 11" dia hole and recess j-box or mounting structure by 1.5".*



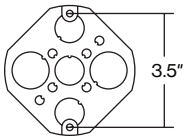
CABLES TO CEILING | CABLES TO CANOPY

45" DIAMETER | 59" DIAMETER *7000+ lumens available only with Ultra Shallow Canopy.*



CABLES TO CEILING | ULTRA SHALLOW CANOPY

4" OCTAGONAL JUNCTION BOX (BY OTHERS)



Required for powered units; optional for unlit units

CANOPY/DRESS PLATE FINISH OPTIONS

BLACK | WHITE

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Acoustic Dial Solid Fixture Options

VARIA COLORS OPTIONS OPTIONS

GESSO
NATURAL
SILKEN OYSTER
CINDER
CUSTOM

VITAMIN C
CRANBERRY X2
WIZARD
MIDCENTURY ROSEWOOD

FELT COLOR & PATTERN OPTIONS

COLOR OPTIONS

EBONY
CAST
MINERAL
STEEL
ARMOR
NICKEL
ZINC

NIGHTFALL
ADMIRAL
DUSK
STEELBLUE
PLATINUM
OCHRE
MUSTARD

LILAC
BURGUNDY
CINNAMON
SAFFRON
JASPER
ARIES
CITRINE

EMERALD
SILT
DRIFTWOOD
DUNE
VANILLA

PATTERN OPTIONS

WALNUT
IRON OAK

CARMEL OAK
RICH BAMBOO

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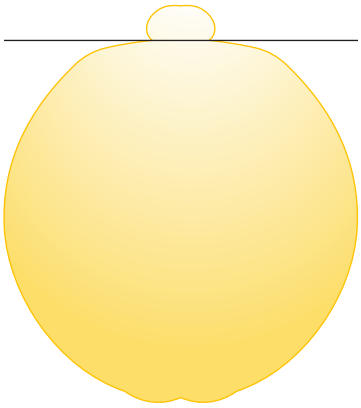
Acoustic Dial Solid Lighting Details

LIGHT DISTRIBUTION OPTIONS
Consult factory or lightart.com for IES files, tested in accordance with IESNA LM79



SIDE VIEW

LIGHT DISTRIBUTION
Based on measurement data

COLOR TEMPERATURE / CRI	MULTIPLIER
2700K / 80 2700K / 90	0.98 0.93
3000K / 80 3000K / 90	1.02 097
3500K / 80 3500K / 90	1.00 1.00
4000K / 80 4000K / 90	1.08 1.03

OUTPUT MULTIPLIERS INSTRUCTIONS

Adjusted Value = $L_1 \times C_m$ *where:*

L_1 *= (Lumen output at 3500K / 90 CRI) ×*
C_m *= (Color Temp. / CRI Multiplier) ×*

Example:
850LM / 3000K / 80CRI
(850) × (1.02)= 789LM

PERFORMANCE – ACOUSTIC DIAL 37"
Based on 3500K / 90CRI / Standard Distribution

NOMINAL LUMEN OUTPUT (LM)	INPUT POWER (W)	EFFICACY (LM/W)
1000	13.24	75.50
2000	26.69	74.92
3000	41.42	72.44
4000	57.13	70.01
5000	74.06	67.52
6000	92.33	64.98
7000	112.02	62.49

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Acoustic Dial Solid Lighting Details

PERFORMANCE – ACOUSTIC DIAL 45”
Based on 3500K / 90CRI / Standard Distribution

NOMINAL LUMEN OUTPUT (LM)	INPUT POWER (W)	EFFICACY (LM/W)
1000	12	82.32
2000	24.38	82.03
3000	36.33	82.58
4000	49.26	81.19
5000	62.68	79.78
6000	76.55	78.39
7000	90.95	76.97
7150	105.91	67.51
9000	121.44	74.11
10000	137.65	72.65
11000	154.59	71.16
12000	172.12	69.72

PERFORMANCE – ACOUSTIC DIAL 59”
Based on 3500K / 90CRI / Standard Distribution

NOMINAL LUMEN OUTPUT (LM)	INPUT POWER (W)	EFFICACY (LM/W)
1000	11.48	87.14
2000	23.12	86.51
3000	34.16	87.82
4000	45.86	87.22
5000	57.72	86.62
6000	69.74	86.03
7000	81.92	85.45
8000	94.33	84.81
9000	106.87	84.21
10000	119.53	83.66
11000	132.46.	83.05
12000	145.58	82.43
13000	158.97	81.78
14000	172.48	81.17
15000	186.21	80.55
16000	200.27	79.89
17000	214.54	79.24
18000	228.93	78.63
19000	243.59	78.00
20000	258.52	77.36

Acoustic Dial Solid Acoustic Details

SABINS PER FIXTURE *Equivalent square feet of perfect absorption*

CENTER FREQUENCY (HZ)	59" DIAMETER 150 FINS	45" DIAMETER 106 FINS	37" DIAMETER 80 FINS
100	5.51	1.57	2.00
125	12.42	5.99	3.25
160	5.31	3.80	3.63
200	5.18	3.87	3.51
250	7.74	4.56	4.09
315	11.45	8.92	7.00
400	15.64	11.29	9.26
500	23.62	16.96	13.73
630	24.47	18.60	14.62
800	25.51	18.95	15.88
1000	29.09	21.65	17.17
1250	31.19	22.52	18.28
1600	33.72	23.96	19.29
2000	36.10	25.44	20.13
2500	36.56	26.12	20.89
3150	36.80	26.61	21.28
4000	37.40	26.98	21.74
5000	37.13	26.92	21.45
AVERAGE OF 250, 500, 1000, 2000 HZ	24.14	17.15	13.78
NRC PER FIXTURE (CIRCULAR FOOTPRINT)	2.30	3.50	5.20
EQUIVALENT SQ FT OF ACT (NRC 0.90)	26.82	19.06	15.31
EQUIVALENT SQ FT OF ACT (NRC 0.70)	34.48	24.50	19.69

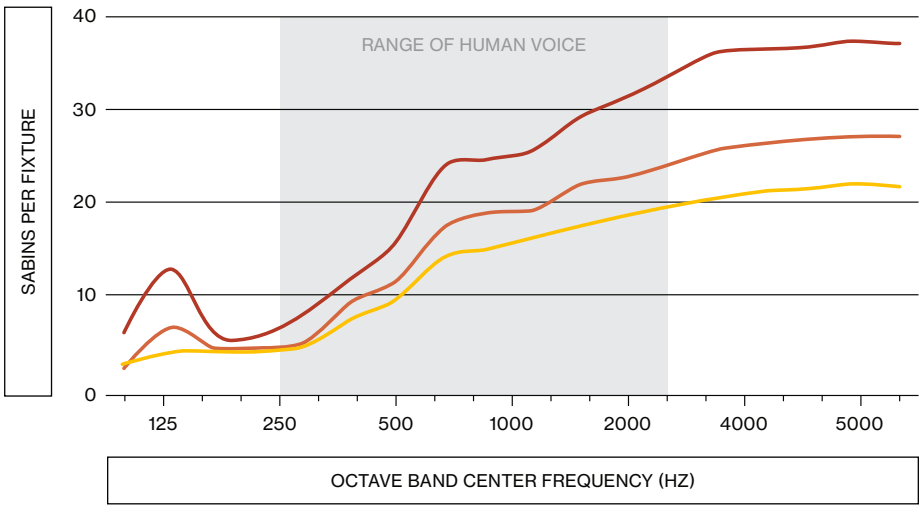
Absorption

NRC per Fixture: 1.20
Absorption per Fixture: 7.59–15.50 Sabins

Average of values taken at 250, 500, 1000, and 2000 Hz

The acoustic testing of Dial was conducted at NVLAP accredited laboratories and meets ISO 354 and ASTM C423. Formal test reports are available upon request.

- 59 DIA 150 FINS
- 45 DIA 106 FINS
- 37 DIA 80 FINS



Acoustic Dial Solid Part Number Specification

SPECIFICATION CODE *Example: 2 QTY ACC-DIAL-SLD-45D-A-GO-JP-STD-940CK-5000LM-P01-WPC-WH-CCL*

QTY.	ACC-DIAL-SLD -	1	- 2	- 3	- 4	- 5	- 6	- 7	- 8	- 9	- 10	- 11
☐		☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐

Complete form to order Acoustic Dial Closed fixture(s). For each number, make one selection and enter in the corresponding box above.
**Indicates modified choices; additional lead times, cost, and limited lumen outputs may apply.*

1 DIAMETER

- ☐ 37D — 37" DIAMETER
- ☐ 45D — 45" DIAMETER
- ☐ 59D — 59" DIAMETER

2 STYLE *All fins 11.5" in height*

- ☐ A
- ☐ B
- ☐ C

3 VARIA MATERIAL *Inner drum shade material (visable between felt fins)*

- ☐ GO — GESSO
- ☐ NL — NATURAL
- ☐ CR — CINDER
- ☐ SO — SILKEN OYSTER
- ☐ CB2 — CRANBERRY X2
- ☐ VC — VITAMIN C
- ☐ WZ — WIZARD
- ☐ MCR — MIDCENTURY ROSEWOOD
- ☐ CUST — CUSTOM COLOR

4 FELT COLOR

COLOR OPTIONS

- ☐ EB — EBONY
- ☐ NF — NIGHTFALL
- ☐ CA — CAST
- ☐ SLT — SILT
- ☐ ML — MINERAL
- ☐ STL — STEEL
- ☐ AR — ARMOR
- ☐ NI — NICKEL
- ☐ ZN — ZINC
- ☐ EM — EMERALD
- ☐ BU — BURGUNDY
- ☐ CI — CINNAMON
- ☐ JP — JASPER
- ☐ SF — SAFFRON
- ☐ OCH — OCHRE
- ☐ MU — MUSTARD
- ☐ AS — ARIES
- ☐ CT — CITRINE
- ☐ LC — LILAC
- ☐ AD — ADMIRAL
- ☐ DK — DUSK
- ☐ STB — STEELBLUE
- ☐ PT — PLATINUM
- ☐ DW — DRIFTWOOD
- ☐ DN — DUNE
- ☐ VL — VANILLA

PATTERN OPTIONS

- ☐ DWA — WALNUT
- ☐ IOK — IRON OAK
- ☐ WA — CARMEL OAK
- ☐ BA — RICH BAMBOO

CONTINUE TO NEXT PAGE TO COMPLETE SPECIFICATION

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Acoustic Dial Solid Part Number Specification

CONTINUE SPECIFICATION

5 SUSPENSION

☐ STD	12″ – 96″
☐ EXT	12″ – 240″

6 LED CRI / CCT

☐ 827CK	80 CRI / 2700K
☐ 830CK	80 CRI / 3000K
☐ 835CK	80 CRI / 3500K
☐ 840CK	80 CRI / 4000K
☐ 927CK	90 CRI / 2700K
☐ 930CK	90 CRI / 3000K
☐ 935CK	90 CRI / 3500K
☐ 940CK	90 CRI / 4000K
☐ TW	TUNABLE WHITE *Driver selection limited to P01 and DALI*

7 OUTPUT

☐ 1000LM	1000 LM
☐ 2000LM	2000 LM
☐ 3000LM	3000 LM
☐ 4000LM	4000 LM
☐ 5000LM	5000 LM
☐ 6000LM	6000 LM *37″D Max EM Battery and Tunable White*
☐ 7000LM	7000 LM *37″D Max Standard Output; 45″ D Max EM Battery and Tunable White*
☐ 8000LM	8000 LM
☐ 9000LM	9000 LM
☐ 10000LM	10000 LM
☐ 11000LM	11000 LM
☐ 12000LM	12000 LM *45″D Max Standard Output*
☐ 13000LM	13000 LM *59″D Max Tunable White*
☐ 14000LM	14000 LM
☐ 15000LM	15000 LM *59″D Max EM Battery*
☐ 16000LM	16000 LM
☐ 17000LM	17000 LM
☐ 18000LM	18000 LM
☐ 19000LM	19000 LM
☐ 20000LM	20000 LM *59″D Max Standard Output*
☐ CU*	CUSTOM OUTPUT

_____ lm

8 DIMMING AND CONTROLS

☐ P01	0–10V 1% DIMMING
☐ LEC*	HI-LUME 1% ECOSYSTEM LED DRIVER SOFT ON, FADE TO BLACK (LDE1 SERIES)
☐ EBM	0-10V 1% DIMMING INTEGRATED EM BATTERY OPTION *Max Lumen ouput limited—consult LightArt. Not available with Tunable White.*
☐ DALI	DALI CONTROL

9 CANOPY OPTIONS

☐ WPC	WHITE
☐ BPC	BLACK
☐ RWPC	RECESSED WHITE
☐ RBPC	RECESSED BLACK

10 POWER CORD

☐ WH	WHITE
☐ BK	BLACK

11 CABLE CONNECTION

☐ CCL	CABLES TO CEILING
☐ CCN	CABLES TO CANOPY *Only available on the 37D and 45D fixtures—Hang Height must exceed 12″ minimum.*

**Indicates modified choices; additional lead times, cost, and limited lumen outputs may apply.*

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