

Acoustic Dial Solid

Overview

ACOUSTIC COLLECTION



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.	HARDWARE	TGIC-free powder coat. Stainless steel cables with nickel-plated cable gripper allows for adjustable hanging height. Made with RoHS compliant parts.
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.	MOUNTING	Canopy mounts to 4" octagonal junction box or appropriate alternative. Adjustable stainless steel aircraft cable, contact studio for lengths over 20'.
LIGHTING	Solid state LED system 120v-277v input 0-10v dimming compatible	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
LUMEN MAINTENANCE	Reported: L90: >55,000 hours Calculated: L70: >180,000 hours L80: >120,000 hours <i>EPA TM21 calculator derived</i>	CERTIFICATION	CSA certified to CSA C22.2 No. 250.0, and conforms to UL standard 1598.
PHOTOMETRICS	Consult factory or website for IES files, tested in accordance with IESNA LM79.	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.



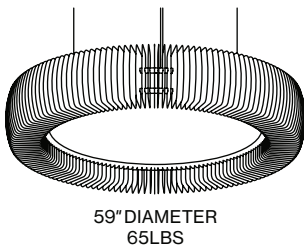
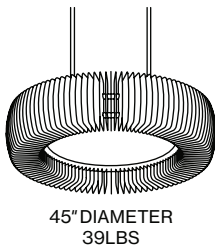
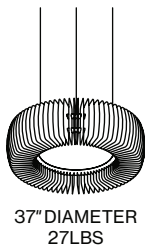
Acoustic Dial Solid

Fixture Options

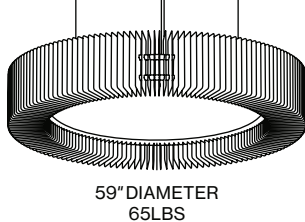
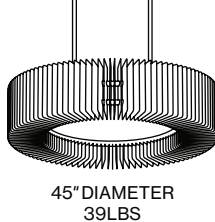
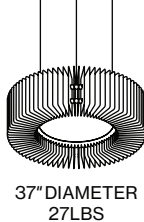
ACOUSTIC COLLECTION

DIMENSIONS All pendants have a 11.5" Height.

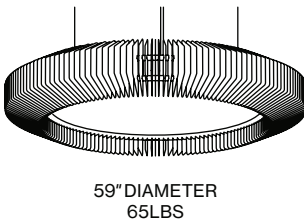
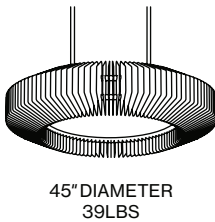
FIN STYLE A



FIN STYLE B



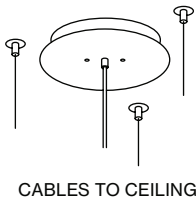
FIN STYLE C



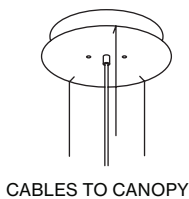
CEILING CONNECTIONS

37" DIAMETER

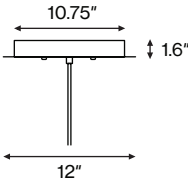
Available in both Recessed and Surface Mount canopies. For recessed canopy, cut 11" dia hole and recess j-box or mounting structure by 1.5".



CABLES TO CEILING

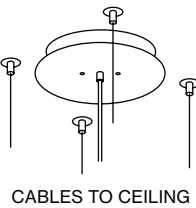


CABLES TO CANOPY

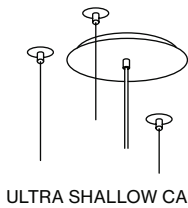
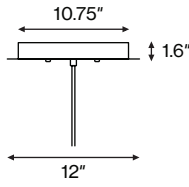


45" DIAMETER | 59" DIAMETER

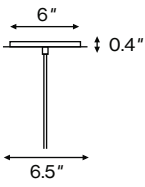
7000+ lumens available only with Ultra Shallow Canopy.



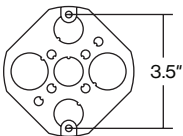
CABLES TO CEILING



ULTRA SHALLOW CANOPY



4" OCTAGONAL JUNCTION BOX (BY OTHERS)

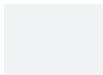


Required for powered units;
optional for unlit units

CANOPY/DRESS PLATE FINISH OPTIONS



BLACK



WHITE



Acoustic Dial Solid

Fixture Options

ACOUSTIC COLLECTION

VARIA COLORS OPTIONS OPTIONS



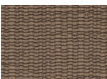
NATURAL



GESSO



SILKEN
OYSTER



CINDER



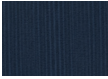
CUSTOM



VITAMIN C



CRANBERRY
X2



WIZARD



MIDCENTURY
ROSEWOOD

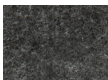


FELT COLOR & PATTERN OPTIONS

COLOR OPTIONS



EBONY



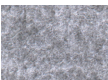
CAST



MINERAL



STEEL



ARMOR



NICKEL



ZINC



NIGHTFALL



ADMIRAL



DUSK



STEELBLUE



PLATINUM



OCHRE



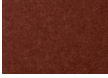
MUSTARD



LILAC



BURGUNDY



CINNAMON



SAFFRON



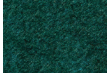
JASPER



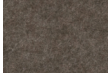
ARIES



CITRINE



EMERALD



SILT



DRIFTWOOD



DUNE



VANILLA

PATTERN OPTIONS



WALNUT



IRON OAK



CARMEL OAK



RICH BAMBOO



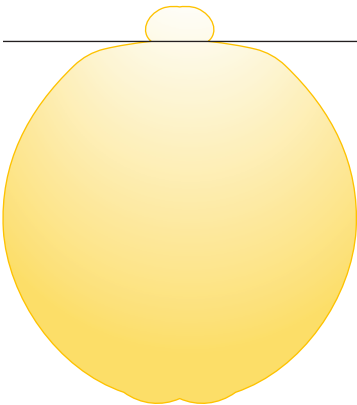
Acoustic Dial Solid

Lighting Details

ACOUSTIC COLLECTION

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	0.98
2700K / 90	0.93
3000K / 80	1.02
3000K / 90	0.97
3500K / 80	1.00
3500K / 90	1.00
4000K / 80	1.08
4000K / 90	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

$(850) \times (1.02) = 789LM$

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

Acoustic Dial Solid

Lighting Details

ACOUSTIC COLLECTION

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

ACOUSTIC COLLECTION

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

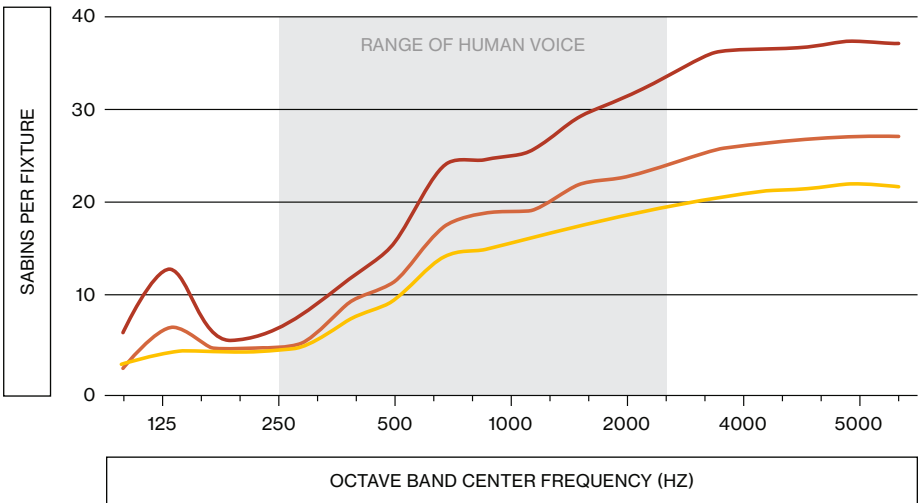
Absorption

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.

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



Acoustic Dial Solid

Part Number Specification

ACOUSTIC COLLECTION

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 and/or costs may apply.

1 DIAMETER

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

2 STYLE All fins 11.5" in height

- ☐ A ☐ B ☐ C
- ☐ STYLE A ☐ STYLE B ☐ STYLE C

3 MATERIAL

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

4 FELT COLOR

COLOR OPTIONS

- ☐ EB ☐ NF ☐ CA ☐ SLT ☐ ML ☐ STL ☐ AR ☐ NI ☐ ZN
- ☐ EBONY ☐ NIGHTFALL ☐ CAST ☐ SILT ☐ MINERAL ☐ STEEL ☐ ARMOR ☐ NICKEL ☐ ZINC

- ☐ EM ☐ BU ☐ CI ☐ JP ☐ SF ☐ OCH ☐ MU ☐ AS ☐ CT
- ☐ EMERALD ☐ BURGUNDY ☐ CINNAMON ☐ JASPER ☐ SAFFRON ☐ OCHRE ☐ MUSTARD ☐ ARIES ☐ CITRINE

- ☐ LC ☐ AD ☐ DK ☐ STB ☐ PT ☐ DW ☐ DN ☐ VL
- ☐ LILAC ☐ ADMIRAL ☐ DUSK ☐ STEELBLUE ☐ PLATINUM ☐ DRIFTWOOD ☐ DUNE ☐ VANILLA

PATTERN OPTIONS

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

CONTINUE TO NEXT PAGE TO COMPLETE SPECIFICATION



Acoustic Dial Solid

Part Number Specification

ACOUSTIC COLLECTION

CONTINUE SPECIFICATION

4 SUSPENSION

- | | |
|------------------------------|------------|
| ☐ STD | 12" – 96" |
| ☐ EXT | 12" – 240" |

5 LED CRI / CCT

- | | | | |
|--------------------------------|----------------|--------------------------------|----------------|
| ☐ 827CK | 80 CRI / 2700K | ☐ 927CK | 90 CRI / 2700K |
| ☐ 830CK | 80 CRI / 3000K | ☐ 930CK | 90 CRI / 3000K |
| ☐ 835CK | 80 CRI / 3500K | ☐ 935CK | 90 CRI / 3500K |
| ☐ 840CK | 80 CRI / 4000K | ☐ 940CK | 90 CRI / 4000K |
| | | ☐ TW | TUNABLE WHITE |

6 OUTPUT

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

lm

7 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
<i>Max Lumen output limited—consult LightArt.
Not available with Tunable White.</i> |
| ☐ DALI | DALI CONTROL |

8 CANOPY OPTIONS

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

9 POWER CORD

- | | |
|-----------------------------|-------|
| ☐ WH | WHITE |
| ☐ BK | BLACK |

10 CABLE CONNECTION

- | | |
|------------------------------|--|
| ☐ CCL | CABLES TO CEILING |
| ☐ CCN | CABLES TO CANOPY
<i>Only available on the 37D and 45D fixtures—Hang Height must exceed 12" minimum.</i> |

*Indicates modified choices; additional lead times and/or costs may apply.

