



# Acoustic Dial Solid Fixture Options

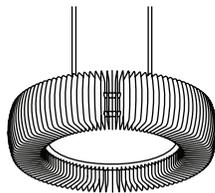
ACOUSTIC COLLECTION

**DIMENSIONS** All pendants have a 11.5" Height.

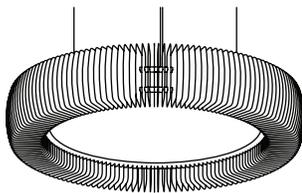
**FIN STYLE A**



37" DIAMETER  
27LBS



45" DIAMETER  
39LBS

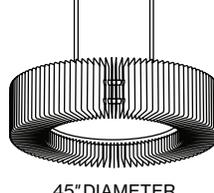


59" DIAMETER  
65LBS

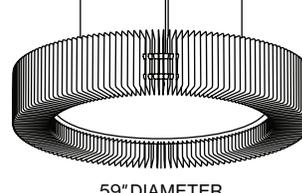
**FIN STYLE B**



37" DIAMETER  
27LBS



45" DIAMETER  
39LBS

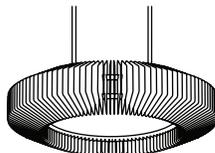


59" DIAMETER  
65LBS

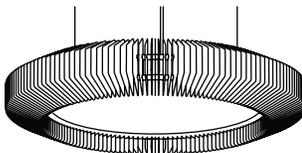
**FIN STYLE C**



37" DIAMETER  
27LBS



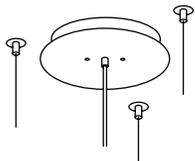
45" DIAMETER  
39LBS



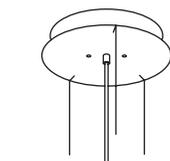
59" DIAMETER  
65LBS

**CEILING CONNECTIONS**

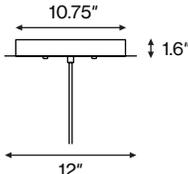
**37" DIAMETER** Available in both Recessed and Surface Mount canopies. For recessed canopy, cut 11" dia hole and recess j-box or mounting structure by 1.5".



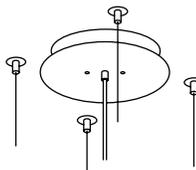
CABLES TO CEILING



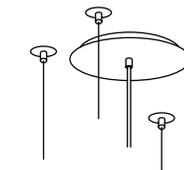
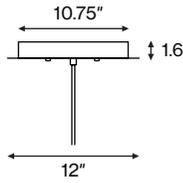
CABLES TO CANOPY



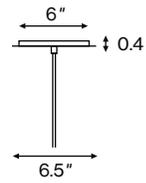
**45" DIAMETER | 59" DIAMETER** 7000+ lumens available only with Ultra Shallow Canopy.



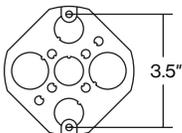
CABLES TO CEILING



ULTRA SHALLOW CANOPY

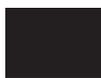


**4" OCTAGONAL JUNCTION BOX (BY OTHERS)**

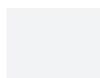


Required for powered units;  
optional for unlit units

**CANOPY/DRESS PLATE FINISH OPTIONS**



BLACK



WHITE



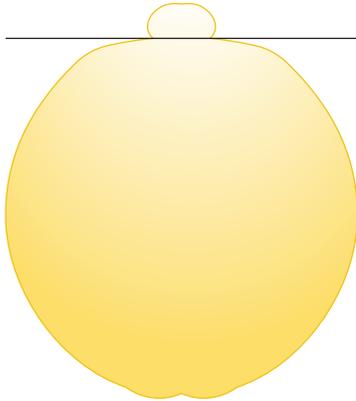


# Acoustic Dial Solid Lighting Details

ACOUSTIC COLLECTION

## LIGHT DISTRIBUTION OPTIONS

Consult factory or [lightart.com](http://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:

$L_1 = (\text{Lumen output at 3500K / 90 CRI}) \times$

$C_m = (\text{Color Temp. / CRI Multiplier}) \times$

Example:

850LM / 3000K / 80CRI

$(850) \times (1.02) = 789\text{LM}$

## 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

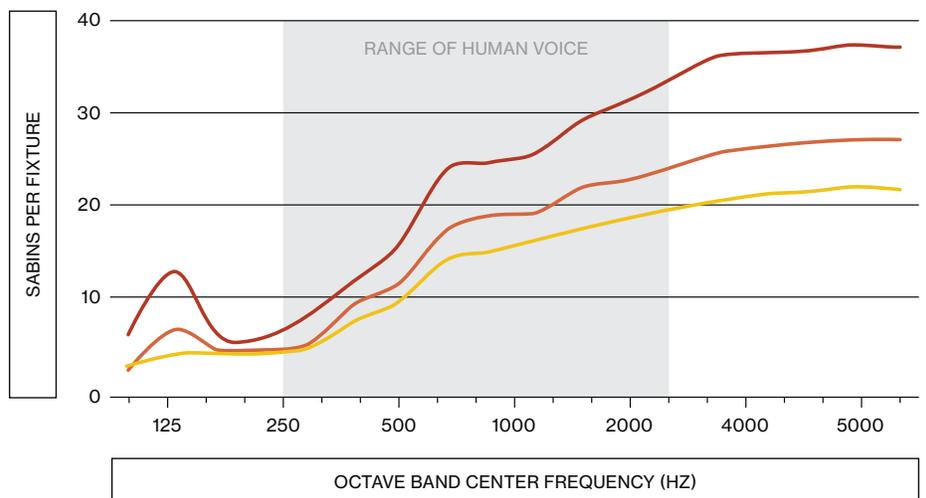
## Absorption

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, 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  STYLE A
- B  STYLE B
- C  STYLE C

**3 MATERIAL**

- |                              |  |                               |  |
|------------------------------|--|-------------------------------|--|
| <input type="checkbox"/> GO  | <input type="checkbox"/> GESSO         | <input type="checkbox"/> VC   | <input type="checkbox"/> VITAMIN C           |
| <input type="checkbox"/> NL  | <input type="checkbox"/> NATURAL       | <input type="checkbox"/> WZ   | <input type="checkbox"/> WIZARD              |
| <input type="checkbox"/> CR  | <input type="checkbox"/> CINDER        | <input type="checkbox"/> MCR  | <input type="checkbox"/> MIDCENTURY ROSEWOOD |
| <input type="checkbox"/> SO  | <input type="checkbox"/> SILKEN OYSTER | <input type="checkbox"/> CUST | <input type="checkbox"/> CUSTOM COLOR        |
| <input type="checkbox"/> CB2 | <input type="checkbox"/> CRANBERRY X2  |                               |  |

**4 FELT COLOR**

COLOR OPTIONS

- |                              |                                    |                              |                                   |
|------------------------------|------------------------------------|------------------------------|-----------------------------------|
| <input type="checkbox"/> EB  | <input type="checkbox"/> EBONY     | <input type="checkbox"/> EM  | <input type="checkbox"/> EMERALD  |
| <input type="checkbox"/> NF  | <input type="checkbox"/> NIGHTFALL | <input type="checkbox"/> BU  | <input type="checkbox"/> BURGUNDY |
| <input type="checkbox"/> CA  | <input type="checkbox"/> CAST      | <input type="checkbox"/> CI  | <input type="checkbox"/> CINNAMON |
| <input type="checkbox"/> SLT | <input type="checkbox"/> SILT      | <input type="checkbox"/> JP  | <input type="checkbox"/> JASPER   |
| <input type="checkbox"/> ML  | <input type="checkbox"/> MINERAL   | <input type="checkbox"/> SF  | <input type="checkbox"/> SAFFRON  |
| <input type="checkbox"/> STL | <input type="checkbox"/> STEEL     | <input type="checkbox"/> OCH | <input type="checkbox"/> OCHRE    |
| <input type="checkbox"/> AR  | <input type="checkbox"/> ARMOR     | <input type="checkbox"/> MU  | <input type="checkbox"/> MUSTARD  |
| <input type="checkbox"/> NI  | <input type="checkbox"/> NICKEL    | <input type="checkbox"/> AS  | <input type="checkbox"/> ARIES    |
| <input type="checkbox"/> ZN  | <input type="checkbox"/> ZINC      | <input type="checkbox"/> CT  | <input type="checkbox"/> CITRINE  |

PATTERN OPTIONS

- |                              |                                      |
|------------------------------|--------------------------------------|
| <input type="checkbox"/> DWA | <input type="checkbox"/> WALNUT      |
| <input type="checkbox"/> IOK | <input type="checkbox"/> IRON OAK    |
| <input type="checkbox"/> WA  | <input type="checkbox"/> CARMEL OAK  |
| <input type="checkbox"/> BA  | <input type="checkbox"/> 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

- |                                |                |                                |   |
|--------------------------------|----------------|--------------------------------|---|
| <input type="checkbox"/> 827CK | 80 CRI / 2700K | <input type="checkbox"/> 927CK | 90 CRI / 2700K  |
| <input type="checkbox"/> 830CK | 80 CRI / 3000K | <input type="checkbox"/> 930CK | 90 CRI / 3000K  |
| <input type="checkbox"/> 835CK | 80 CRI / 3500K | <input type="checkbox"/> 935CK | 90 CRI / 3500K  |
| <input type="checkbox"/> 840CK | 80 CRI / 4000K | <input type="checkbox"/> 940CK | 90 CRI / 4000K  |
|                                |                | <input type="checkbox"/> TW    | TUNABLE WHITE<br>Driver selection limited to P01 and DALI |

## 6 OUTPUT

- |                                  |   |                                  |                                   |
|----------------------------------|---|----------------------------------|-----------------------------------|
| <input type="checkbox"/> 1000LM  | 1000 LM                                 | <input type="checkbox"/> 11000LM | 11000 LM                          |
| <input type="checkbox"/> 2000LM  | 2000 LM                                 | <input type="checkbox"/> 12000LM | 12000 LM 45"D Max Standard Output |
| <input type="checkbox"/> 3000LM  | 3000 LM                                 | <input type="checkbox"/> 13000LM | 13000 LM 59"D Max Tunable White   |
| <input type="checkbox"/> 4000LM  | 4000 LM                                 | <input type="checkbox"/> 14000LM | 14000 LM                          |
| <input type="checkbox"/> 5000LM  | 5000 LM                                 | <input type="checkbox"/> 15000LM | 15000 LM 59"D Max EM Battery      |
| <input type="checkbox"/> 6000LM  | 6000 LM 37"D - 45" D Max EM Batt and TW | <input type="checkbox"/> 16000LM | 16000 LM                          |
| <input type="checkbox"/> 7000LM  | 7000 LM 37" D Max Standard Output       | <input type="checkbox"/> 17000LM | 17000 LM                          |
| <input type="checkbox"/> 8000LM  | 8000 LM                                 | <input type="checkbox"/> 18000LM | 18000 LM                          |
| <input type="checkbox"/> 9000LM  | 9000 LM                                 | <input type="checkbox"/> 19000LM | 19000 LM                          |
| <input type="checkbox"/> 10000LM | 10000 LM                                | <input type="checkbox"/> 20000LM | 20000 LM 59"D Max Standard Output |
|                                  |   | <input type="checkbox"/> 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  
Max Lumen output limited—consult LightArt.  
Not available with Tunable White.
- 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  
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.

