



Specifications

LIGHTING	Integrated LED light source offering high lumen output and efficacy. Color consistency of 3 SDCM. See additional information summarizing lumen distribution, wattage, and efficacy on following pages. Tunable white option available.
LUMEN MAINTENANCE	Reported TM-21 Lifetimes L90(17k) = 52,600 hours L80(17k) > 102,000 hours L70(17k) > 102,000 hours
CONSTRUCTION	3/16" Sola Felt. White Opal top and bottom diffuser. Contact your local sales rep for material samples.
ELECTRICAL	Emergency battery output: 6 watts for 90 minutes. Maximum Mounting height: 10.5ft. Compatible with Signify Bodine sinusoidal output emergency lighting inverters. Signify Bodine inverters allow designated lighting fixtures to serve as code compliant emergency lighting sources during failure of normal AC power. For additional information see link: http://www.bodine.com/products/inverter.html
MOUNTING	Adjustable stainless steel aircraft cable, contact studio for lengths over 20'
DRIVERS	120-277V constant current, dimming driver standard. Can be wired dimming or non-dimming. 0-10v dimming input with a range of 1%-100%. Dim-to-Off standard. Driver can be accessed from the fixture. Power factor of > .95. Total Harmonic Distortion (THD) of < 20%.

CERTIFICATION	Luminaire is CSA listed conforming to UL Standard 1598 in the U.S. and CAN/CSA C22.2 No. 250.0 in Canada. In accordance with NEC Code 410.73 (G), this luminaire contains an internal driver disconnect. Damp Location Rated. All electronic components are RoHS compliant, and the mechanical components of the luminaire have been verified to meet RoHS Directive 2002/95/EC.
SHADES	4.5mm thick Sola Felt, 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.
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.
WARRANTY	5 year warranty on all standard components.



Acoustic Drum Lighting Details

ACOUSTIC COLLECTION

PERFORMANCE – ACOUSTIC DRUM 30"

Based on 3500K / 90CRI / Standard Distribution

NOMINAL LUMEN OUTPUT (LM)	INPUT POWER (W)	EFFICACY (LM/W)
1000	19.36	51.66
2000	38.87	51.45
3000	59.90	50.08
4000	82.20	48.66
5000	105.91	47.21
6000	131.08	45.77
7000	157.97	44.31
8000	186.65	42.86

PERFORMANCE – ACOUSTIC DRUM 44"

Based on 3500K / 90CRI / Standard Distribution

NOMINAL LUMEN OUTPUT (LM)	INPUT POWER (W)	EFFICACY (LM/W)
1000	17.15	58.30
2000	33.91	58.98
3000	51.37	58.40
4000	69.23	57.78
5000	87.45	57.17
6000	106.03	56.59
7000	125.01	56.00
8000	144.48	55.37
9000	164.45	54.73
10000	184.78	54.12
11000	205.68	53.48
12000	227.09	52.84
13000	248.92	52.23
14000	271.47	51.57
15000	294.60	50.92
16000	318.23	50.28
17000	342.34	49.66
18000	367.44	48.99

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

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



Acoustic Drum

Acoustic Details

ACOUSTIC COLLECTION

SABINS PER FIXTURE *Equivalent square feet of perfect absorption*

CENTER FREQUENCY (HZ)	44DIA 24H DRUM	44DIA 48H DRUM	44DIA 48H UNLIT DRUM
100	21.40	35.58	30.73
125	20.14	28.39	29.37
160	19.04	30.45	32.14
200	16.82	32.56	31.24
250	18.14	36.68	36.60
315	19.11	38.42	42.04
400	20.26	38.84	42.94
500	18.72	36.97	41.10
630	18.67	37.63	41.08
800	19.65	38.70	42.68
1000	19.54	39.06	42.50
1250	19.81	40.52	43.48
1600	20.16	40.62	44.89
2000	20.91	41.98	46.25
2500	21.41	42.84	48.72
3150	21.74	43.78	48.91
4000	21.85	45.07	50.18
5000	22.73	46.00	50.15
AVERAGE OF 250, 500, 1000, 2000	19.43	38.75	41.96
EQUIVALENT SQ FT OF ACT (NRC 0.90)	21.60	43.10	46.60
EQUIVALENT SQ FT OF ACT (NRC 0.70)	27.80	55.40	59.90

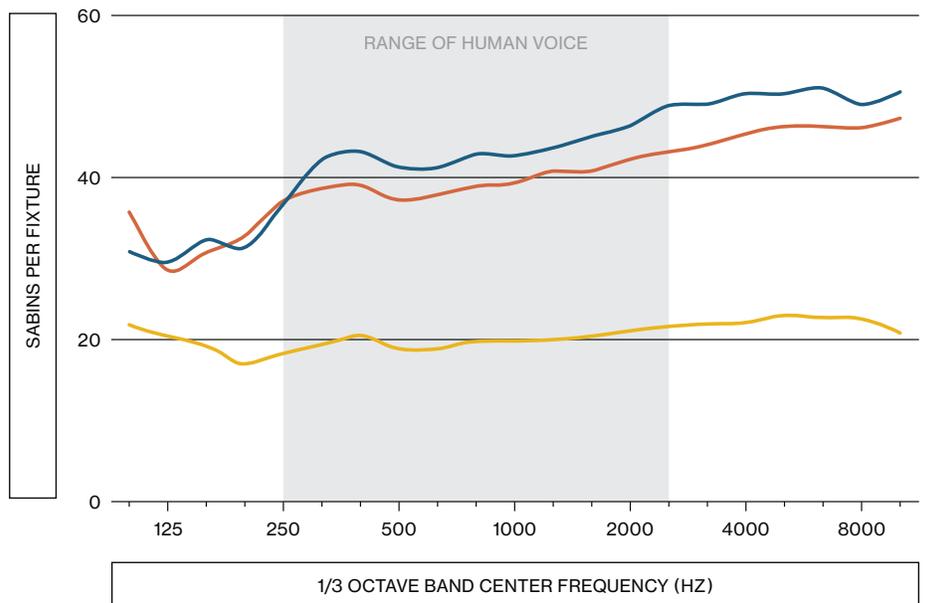
Absorption

NRC per Fixture: 0.85-1.00

The NRC of felt depends on its configuration. LightArt fixtures utilize deep airspaces and multiple layers to keep NRC ratings high for all exposed felt surfaces.

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

- 44DIA 48H UNLIT DRUM
- 44DIA 48H DRUM
- 44DIA 24H DRUM



Acoustic Drum Part Number Specification

ACOUSTIC COLLECTION

SPECIFICATION CODE

Example: 2 QTY ACC-SHPE-DRUM-30D-24H-ML-STD-927CK-6000LM-P01-RWPC-WH

ACC-SHPE-DRUM----------

QTY. 1 2 3 4 5 6 7 8 9

Complete form to order Acoustic Drum 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 SIZE Nominal

- 30D 30" DIAMETER
- 44D 44" DIAMETER

2 HEIGHT Nominal

- 12H 12" HEIGHT
- 24H 24" HEIGHT
- 36H 36" HEIGHT
- 48H 48" HEIGHT

3 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

4 SUSPENSION

- STD 12" - 96"
- EXT* 24" - 240"

5 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

CONTINUE TO NEXT PAGE TO COMPLETE SPECIFICATION



Acoustic Drum

Part Number Specification

ACOUSTIC COLLECTION

CONTINUE SPECIFICATION

6 OUTPUT

- 1000LM 1000 LM
- 2000LM 2000 LM
- 3000LM 3000 LM
- 4000LM 4000 LM
- 5000LM 5000 LM *30"D Max Tunable White and Em Battery Option*
- 6000LM 6000 LM
- 7000LM 7000 LM
- 8000LM 8000 LM
- 9000LM 9000 LM
- 10000LM 10000 LM *30"D Max Standard Output*
- 11000LM 11000 LM *44"D Max Tunable White and Em Battery Option*

- 12000LM 12000 LM
- 13000LM 13000 LM
- 14000LM 14000 LM
- 15000LM 15000 LM
- 16000LM 16000 LM
- 17000LM 17000 LM
- 18000LM 18000 LM
- 1900LM 19000 LM
- 20000LM 20000 LM *44"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
*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

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

