

# Acoustic Ring Overview

ACOUSTIC COLLECTION



## Specifications

<b>SHADES</b>	Lightweight modular acrylic frames clad in 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.	<b>MOUNTING</b>	12–96" Fully adjustable stainless steel aircraft cable (contact LightArt for lengths over 20'). Canopy mounts to 4" octagonal junction box or appropriate alternative.
<b>LIGHTING</b>	Solid State LED System 2700k, 3000k, 3500k, or 4000k Replaceable 120v-277v constant voltage 0-10v dimming compatible 80 & 90 CRI light source 6' 116W    12' 288W 8' 173W    14' 327W 10' 231W    16' 375W <i>Estimated max wattage</i>	<b>CERTIFICATION</b>	CSA approved to UL standards Declare label certified Living Building Challenge compliant Damp rated
<b>HARDWARE</b>	Removable TGIC-free powder coated metal lid and PVC-free power cord. Canopy and dress plate mounts to standard junction box (junction box provided by others). 3/64" stainless steel cables to ceiling. Power cord to canopy.	<b>CARE</b>	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.
		<b>WARRANTY</b>	5 year warranty on all standard components.



# Acoustic Ring

## Fixture Options

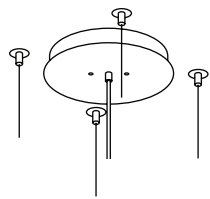
ACOUSTIC COLLECTION

### DIMENSIONS

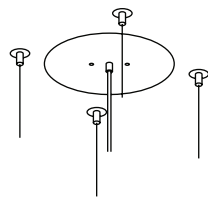
6" DIAMETER 3 segments	8" DIAMETER 4 segments	10" DIAMETER 4 segments	12" DIAMETER 8 segments	14" DIAMETER 8 segments	16" DIAMETER 8 segments
 12"H	 12"H	 12"H	 12"H	 12"H	 12"H
 24"H	 24"H	 24"H	 24"H	 24"H	 24"H
 36"H	 36"H	 36"H	 36"H	 36"H	 36"H
 48"H	 48"H	 48"H	 48"H	 48"H	 48"H

### CEILING CONNECTIONS

#### OFFSET JUNCTION BOX

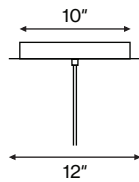


SURFACE MOUNTED

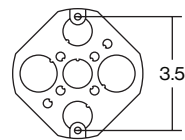


RECESSED\*

For recessed canopy, cut 11" dia hole and recess j-box or mounting structure by 1.5"



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



Required for powered units;  
optional for unlit units

#### CANOPY/DRESS PLATE FINISH OPTIONS



### FELT COLOR & PATTERN OPTIONS

#### COLOR OPTIONS

 EBONY	 CAST	 MINERAL	 STEEL	 ARMOR	 NICKEL
 NIGHTFALL	 ADMIRAL	 DUSK	 STEELBLUE	 PLATINUM	 ZINC
 EMERALD	 MUSTARD	 OCHRE	 SILT	 DRIFTWOOD	 DUNE
 SAFFRON	 JASPER	 ARIES	 CITRINE		

#### PATTERN OPTIONS

 WALNUT	 IRON OAK
 CARMEL OAK	 RICH BAMBOO

**Declare.**

Sola Felt, Clario, Hush Clad, and Tetra Acoustic Solutions 3form

Final Assembly: Salt Lake City, Utah, USA  
Life Expectancy: 20+ Years  
End of Life Options: Salvageable/Reusable in its Entirety, Take Back Program (Declare, Salt Lake City, USA)  
EU CoC Screened: Does Not Contain

**Ingredients:**  
polypropylene, bisphenol-A, 3, 5-dihydroxyphenylphosphoric acid, titanium dioxide, carbon black, spinning fibers

**Living Building Challenge Criteria: Compliant**

**1-3 Red List:**  

- LBC Red List Free
- LBC Red List Approved
- Declared

**100 Material Performance:** COPM Standard Method v1-2010  
**1-4 Responsible Sourcing:** Not Applicable

TM-0001  
ESP 01 OCT 2022  
SCREENED: 21 SEP 2021  
Original Issue Date: 2018

INTERNATIONAL LIVING FUTURE INSTITUTE™ [www.declare.com](http://www.declare.com)



# Acoustic Ring

## Acoustic Details

ACOUSTIC COLLECTION

SABINS PER FIXTURE Equivalent square feet of perfect absorption

CENTER FREQUENCY (HZ)	8' DIA 36"H RING	12' DIA 48"H RING
100	45.78	75.66
125	42.23	78.52
160	43.49	78.06
200	43.47	94.48
250	56.25	124.79
315	75.51	139.31
400	85.33	154.86
500	91.10	181.17
630	93.93	185.89
800	90.18	186.82
1000	85.61	177.37
1250	75.90	167.58
1600	80.00	174.25
2000	84.53	182.65
2500	85.70	185.99
3150	89.40	192.36
4000	91.27	196.45
5000	94.38	205.62
AVERAGE OF 250, 500, 1000, 2000	78.96	162.93
EQUIVALENT SQ FT OF ACT (NRC 0.90)	87.70	181.00

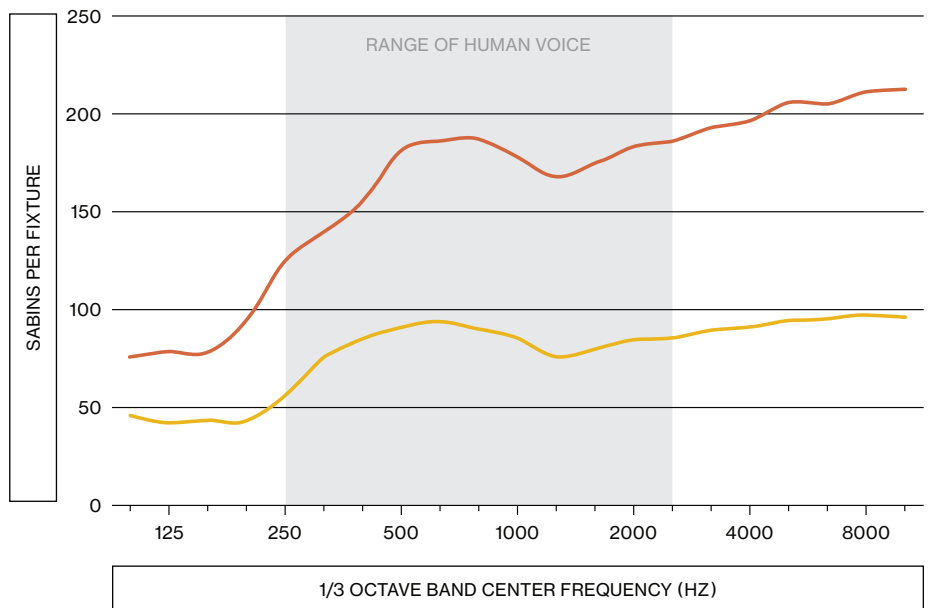
## Absorption

NRC per Fixture: 0.85-1.00\*  
Average of values taken at 250, 500, 1000, and 2000 Hz

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 Ring was conducted at NVLAP accredited laboratories and meets ISO 354 and ASTM C423. Formal test reports are available upon request.

— 12' DIA 48H RING  
— 8' DIA 36H RING



align Declare.



# Acoustic Ring Part Number Specification

ACOUSTIC COLLECTION

SPECIFICATION CODE

Example: 2 QTY ACC-SHPE-RING-10D-24H-PT-STD-830CK-BPC-BK

ACC-SHPE-RING--------

QTY. 1 2 3 4 5 6 7

Complete form to order Acoustic Ring 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 Nominal

- 6D 6" DIAMETER
- 8D 8" DIAMETER
- 10D 10" DIAMETER

- 12D 12" DIAMETER
- 14D 14" DIAMETER
- 16D 16" DIAMETER

## 2 HEIGHT Nominal

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

## 3 SHADE FELT COLOR

COLOR OPTIONS

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

- EM EMERALD
- AD ADMIRAL
- DK DUSK
- STB STEELBLUE
- PT PLATINUM
- SLT SILT
- DW DRIFTWOOD
- DN DUNE

- SF SAFFRON
- JP JASPER
- AS ARIES
- OCH OCHRE
- MU MUSTARD
- CT CITRINE

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

- 830CK 80 CRI / 3000K
- 835CK 80 CRI / 3500K
- 840CK 80 CRI / 4000K

- 927CK 90 CRI / 2700K
- 930CK 90 CRI / 3000K
- 935CK 90 CRI / 3500K

## 6 CANOPY OPTIONS

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

## 7 POWER CORD

- WH WHITE
- BK BLACK

Cord finish will match canopy, unless otherwise specified

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

