

ECHO

ACOUSTIC ECHO OVERVIEW



STANDARD DIMENSIONS *Custom options available*

35"Dia x 14"H

47"Dia x 14"H

FIN QUANTITIES

8 Fins

12 Fins

FIN STYLE

See drawing on page 2

Fin Style A

Fin Style B

OPTIONAL

Spanners between adjacent pendants

Fixture price available upon request

SPECIFICATIONS

CONSTRUCTION:

White opal acrylic hubs and frosted clear acrylic tube. TGIC-free white powder coated canopy. Stainless steel cable and machined hardware with nickel plated brass gripper to allow for adjustable hanging height.

SHADES:

9mm thick PET felt manufactured with 50% post-consumer recycled content. Contact your local sales rep for material samples.

DIFFUSION:

Cylindrical frosted acrylic tube with removable white opal acrylic disk at bottom (for relamping). If direct (bottom) diffusion isn't necessary then disks can be removed permanently for increased light output.

LIGHTING:

Dimmable LED screw-in type E26 base A19 lamp. Lamps included for U.S. orders.

9w, 3000k, 800 lumen, 120v is standard.

Higher output options:

11w, 3000k, 1100 lumen, 120v

15w, 3000k, 1600 lumen, 120v

DIMMING:

Fixtures are supplied with dimmable 120v LED lamps (U.S. only) and are compatible with TRIAC style dimmers such as a Lutron DV-600P. Echo is not 0-10v dimming compatible. If your acoustic lighting project requires 0-10v dimming control, please consider our line of Static fixtures.

ELECTRICAL:

Standard 8' long 3 conductor 18 gauge white halogen-free cord.

Black and silver cords are optional. Longer 20' cord length is also an option*.

MOUNTING:

12"-96" fully adjustable stainless steel aircraft cable, contact studio for additional lengths up to 20'.

CERTIFICATIONS:

Luminaire is UL listed conforming to UL Standard 1598 in the U.S. and CAN/CSA C22.2 No. 250.0 in Canada.

WARRANTY:

5 year warranty on all standard components.

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.

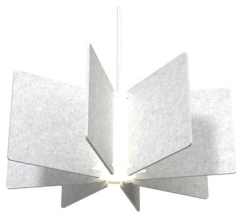


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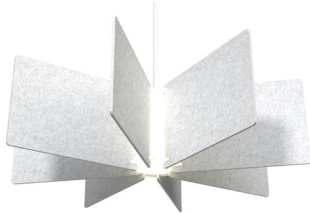
ECHO

ACOUSTIC ECHO FIXTURE OPTIONS

RENDERINGS AND DIMENSIONS



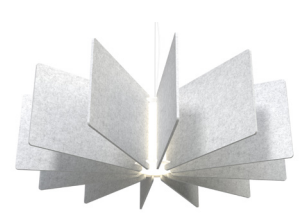
ECHO 35"—8 Fin
Style A



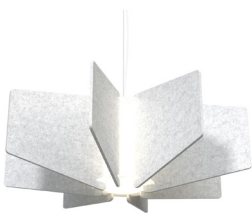
ECHO 47"—8 Fin
Style A



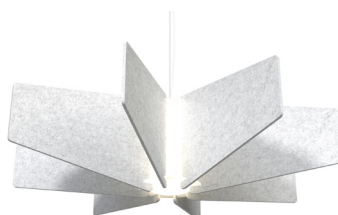
ECHO 35"—12 Fin
Style A



ECHO 47"—12 Fin
Style A



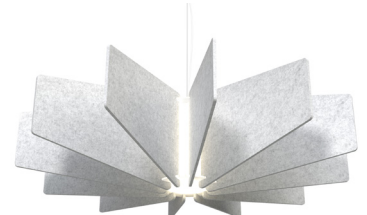
ECHO 35"—8 Fin
Style B



ECHO 47"—8 Fin
Style B



ECHO 35"—12 Fin
Style B



ECHO 47"—12 Fin
Style B

COLOR OPTIONS



Ebony



Moon



Admiral



Cast



Zinc



Ruby



Mineral



Burnt
Umber



Hunter



Armor



Cashmere



Citrine



Nickel



Oxford



Aries



Last Update: 6.5.2018

CANOPY / DRESS PLATE FINISH OPTIONS

STANDARD



White

BY REQUEST



Silver



Black

CEILING CONNECTION

Cable and cord to canopy standard.

5"Dia canopy



SABINS PER FIXTURE *Equivalent square feet of perfect absorption*

Center Frequency (Hz)	Sabins per fixture (equivalent square feet of perfect absorption)	
	Echo 35-12	Echo 47-12
100	1.05	1.90
125	0.80	4.09
160	1.99	3.80
200	3.24	7.38
250	5.58	9.25
315	5.57	12.19
400	6.57	13.66
500	6.96	14.31
630	7.35	15.15
800	7.53	15.81
1000	7.96	16.96
1250	8.23	18.03
1600	8.98	19.27
2000	9.85	21.49
2500	10.40	22.25
3150	10.87	23.53
4000	11.16	24.02
5000	11.00	22.97
Average of 250, 500, 1000, 2000 Hz		15.50
NRC per fixture (circular footprint)		1.30

NRC for Echo system, with spanners, over entire installation footprint: 0.80 - 1.00

NRC per fixture:

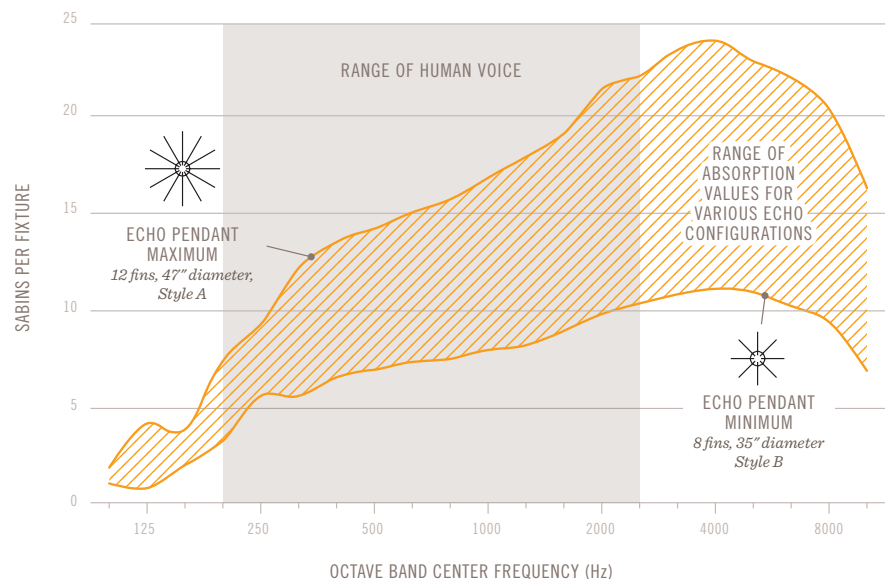
1.15–1.30

Absorption per fixture:

7.59–15.50 sabins

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

*NRC for Echo system, with
spanners, over entire installation
footprint: 0.80 - 1.00*



Last Update: 6.5.2018

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

ECHO

PART NUMBER SPECIFICATION

Complete form to specify Echo fixture(s)

SPECIFICATION CODE Example: 2 QTY ECHO-ALT-12-B-NI-WP-WH-9W-STD-TG-4+5+4

	ECHO-								
Qty		1	2	3	4	5	6	7	8

For grid formations, the quantity refers to the overall grid quantity.

Contact LightArt for more information if your Echo specification deviates from standard options shown.

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—FIN

☐ ECHO 35-8		ECHO 35-8 35" Diameter 8 Fins		ECHO 47-8 47" Diameter 8 Fins		ECHO ALT-8 Alternating 47" & 35" 8 Fins
☐ ECHO 47-8						
☐ ECHO ALT-8						
☐ ECHO 35-12		ECHO 35-12 35" Diameter 12 Fins		ECHO 47-12 47" Diameter 12 Fins		ECHO ALT-12 Alternating 47" & 35" 12 Fins
☐ ECHO 47-12						
☐ ECHO ALT-12						

2 FIN STYLE

☐ A		A FINS 35" Diameter	☐ B		B FINS 35" Diameter
☐ B		47" Diameter	☐ A		A SPANNERS
		For grids	☐ B		B SPANNERS
		For grids	☐ A		A SPANNERS
		For grids	☐ B		B SPANNERS
		For grids	☐ A		A SPANNERS

3 FIN COLOR

☐ EB	☐ MN	☐ AD		EB Ebony		MN Moon		AD Admiral
☐ CA	☐ ZN	☐ RU		CA Cast		ZN Zinc		RU Ruby
☐ ML	☐ BU	☐ HR		ML Mineral		BU Burnt Umber		HR Hunter
☐ AR	☐ CM	☐ CT		AR Armor		CM Cashmere		CT Citrine
☐ NI	☐ OX	☐ AS		NI Nickel		OX Oxford		AS Aries

4 CANOPY COLOR 5"Dia canopy

☐ WP		WP White
☐ BP*		BP* Black
☐ SP*		SP* Silver

5 POWER CORD

☐ WH	WH White
☐ BK*	BK* Black
☐ SV*	SV* Silver

6 LAMPING

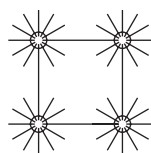
☐ 9W	9W 800lm / 3000k / 120v
☐ 11W*	11W* 1100lm / 3000k / 120v
☐ 15W*	15W* 1600lm / 3000k / 120v

7 SUSPENSION

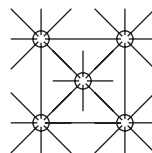
☐ STD	STD 24"-96"
☐ EXT*	EXT* 24"-240"

8 GRID TYPE / COUNT Note: Individual Echo pendants do not need to specify a Grid Type/Count. Grids feature pendants 48" on center.

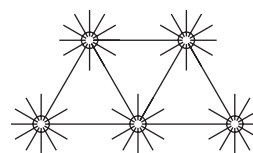
☐ SG*	SG* SQUARE GRID
☐ RB*	RB* RUNNING BOND
☐ TG*	TG* TRIANGLE GRID
☐ CG*	CG* CUSTOM GRID
GRID COUNT:**	



SG* SQUARE GRID



RB* RUNNING BOND



TG* TRIANGLE GRID

**For Square Grid, specify Grid Count as "# Rows x # Columns" (Example: "SG 2x2" shown above)

**For Running Bond, specify Grid Count as "# Rows x # Columns" (Example: "RB 2x2" shown above)

**For Triangle Grid, specify Grid Count as "# in Row A + # in Row B, etc." (Example: "TG 2+3" shown above)

**For Custom Grids, specify Grid Count as overall # of Pendants (Example: "CG 10") and provide a reflected ceiling plan showing desired grid configuration. Contact LightArt for more information on Custom Grid options.

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

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