



VAPOR ECHO CYLINDER (LX-VEC)

TYPE:

KEY FEATURES

- Highly effective noise absorption
- 3 sizes and a wide range of colors
- High performance dimmable LED light source (Direct) and optional upwards wash dimmable LED lighting (Indirect)
- UGR<19
- Height adjustable 9' / 3m suspension cables and Black woven power cable
- IES photometric files available
- L70 lifetime rating of 50,000 hours
- Can be mounted flush to ceiling

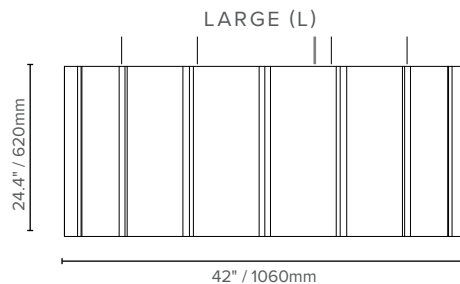
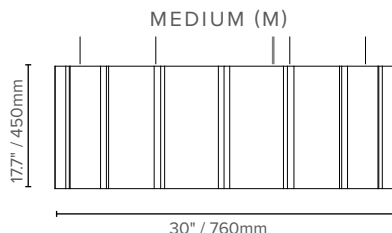
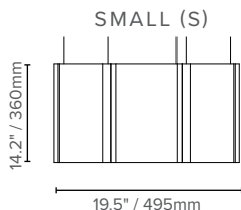
OPTIONAL EXTRAS

Additional options available upon request:

- 0.1% dimming option
- POE
- Bluetooth controller (US & EU only)
- Tunable White output
- White canopy and power cord

Declare.

SIZE AND WEIGHT



	SMALL			MEDIUM			LARGE		
Output	Delivered Lumens	Wattage	Efficacy	Delivered Lumens	Wattage	Efficacy	Delivered Lumens	Wattage	Efficacy
Direct OR Indirect	1833lm	22W	83 lm/W	3850lm	48W	80 lm/W	3850lm	48W	80 lm/W
Direct AND Indirect	3666lm	44W	83 lm/W	7700lm	96W	80 lm/W	7700lm	96W	80 lm/W
Weight	17.6 lbs / 8 Kg			30.8 lbs / 14 Kg			66.1 lbs / 30 Kg		

ORDER CODE

EXAMPLE: LX - VEC - L - R - 40 - DI - UNV - RD

(Luxxbox Vapor Echo Cylinder, Large (dia 42" x 24.4" / 1066 x 620mm), Red, 4000K, direct/indirect output, Universal 120-277V / 0-10V 10% dimming, Remote driver)

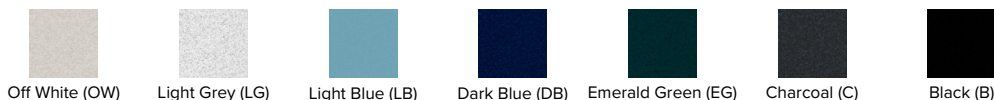
LX - VEC											
PRODUCT CODE	SIZE		SHADE COLOR	COLOR TEMP		OUTPUT		DRIVER / DIMMING		DRIVER TYPE	
VEC	S	Small 19.5" x 14.2" / 500 x 360mm	Use color codes as shown	30	3000K	D	Direct	UNV	0 - 10V - 10% dimming (120-277V) (North America only)	CD	Canopy concealed driver (UNV/North America only)
	M	Medium 30" x 17.7" / 762 x 450mm		35	3500K	I	Indirect	G	1% dimming DSI/DALI (220 - 240V)***	RD	Remote driver (UNV or G)
	L	Large 42" x 24.4" / 1066 x 620mm		40	4000K	DI**	Direct-Indirect				
				*E26	E26 Lamp holder - 120V AC (North America only)					* Please note the light globe or driver will not be supplied with the E26/E27 option for this fixture.	
		*E27	E27 Lamp holder - 220-240V AC (Global)								

**Direct + Indirect option is not available for size S with an on-board driver configuration
 *** Global (G) dimming type is available with Remote driver (RD) only

AVAILABLE COLORS

Colors are subject to lead times and variations across batches.

CORE



DESIGNER



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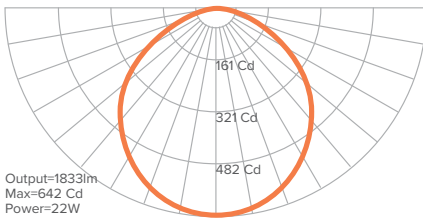
TYPE:

PHOTOMETRICS

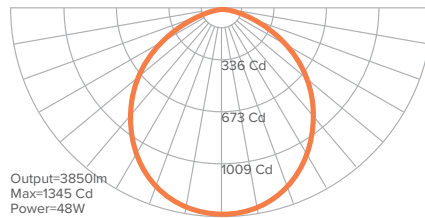
	SMALL		MEDIUM		LARGE	
Option	Direct OR Indirect	Direct AND Indirect	Direct OR Indirect	Direct AND Indirect	Direct OR Indirect	Direct AND Indirect
Total Lumens Delivered	1833lm	3366lm	3850lm	7700lm	3850lm	7700lm
Wattage	22W	44W	48W	96 W	48W	96 W
Efficacy	83 lm/W		80 lm/W		80 lm/W	
CRI	90+					
CCT	3000-3500-4000 K					
UGR	<19					

LUMINOUS INTENSITY DISTRIBUTION

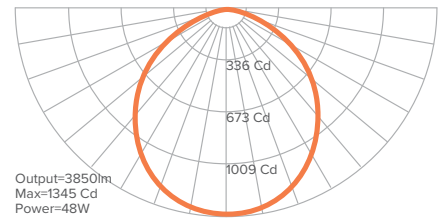
SMALL
DIRECT



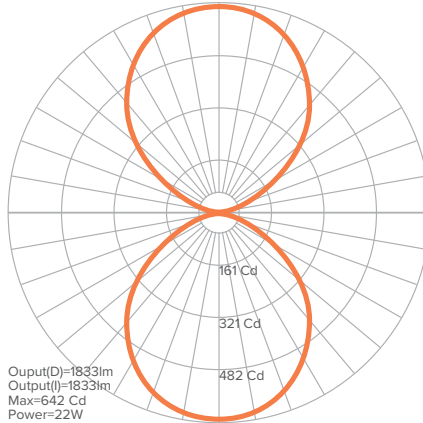
MEDIUM
DIRECT



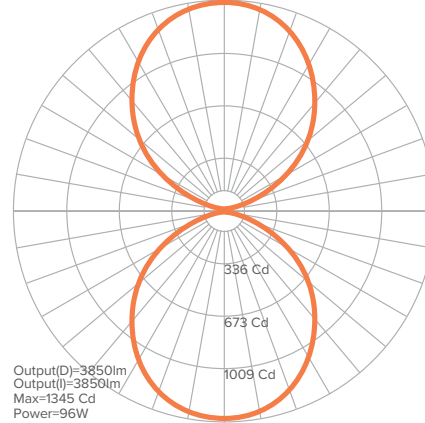
LARGE
DIRECT



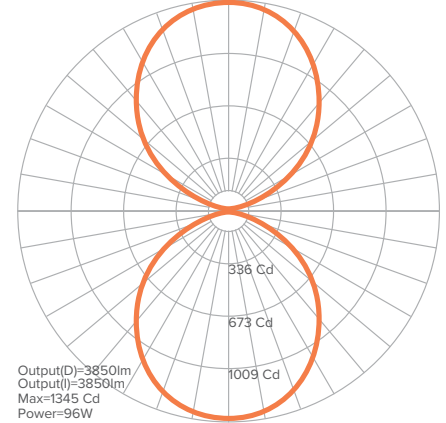
DIRECT-INDIRECT



DIRECT-INDIRECT



DIRECT-INDIRECT



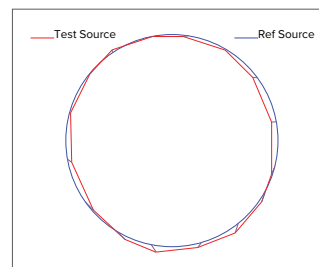
TM-30METRICS

Fidelity Index (Rf): Average similarity to the reference source for all colors
Gamut Index (Rg): Average change in chroma for all colors

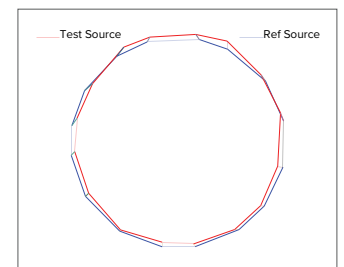
	SMALL	MEDIUM/LARGE
Rf (Fidelity Index)	90	90.7
Rg (Gamut Index)	100	98.8

COLOR VECTOR GRAPHIC

SMALL



MEDIUM/LARGE



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VAPOR ECHO CYLINDER (LX-VEC)

TYPE:

DRIVER INFORMATION

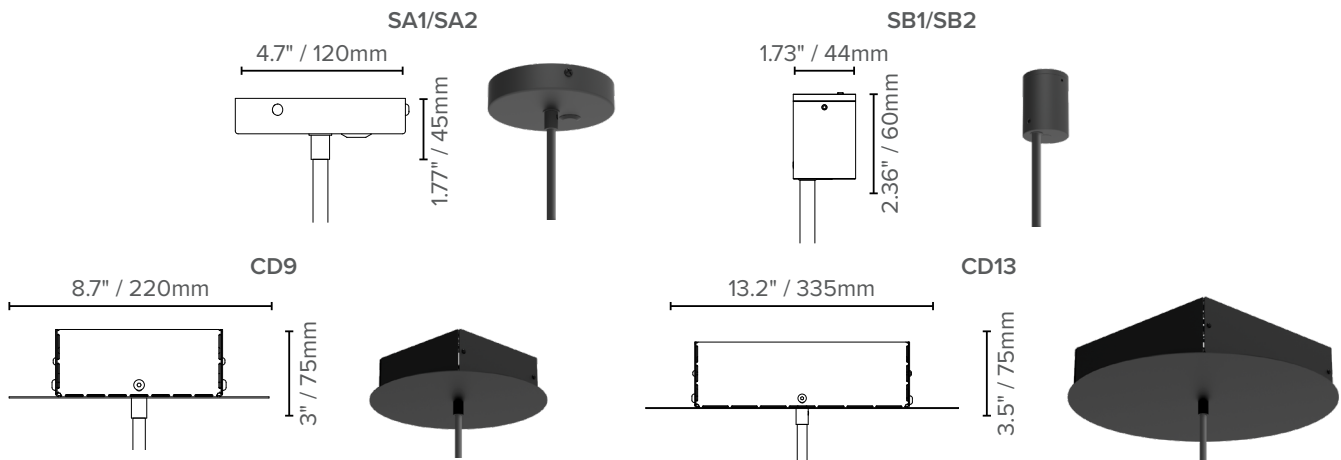
UNIVERSAL 110-277 VAC / 0-10V 10% DIMMING (North America only)				
Size	Output	Wattage	Voltage	Compliance
SMALL	D	22W	10-55VDC	 
	DI	44W		
MEDIUM / LARGE	D	48W		
	DI	96W		

GLOBAL 220-240V 1% DIMMING DSI DALI				
Size	Output	Wattage	Voltage	Compliance
SMALL	D	22W	6-52VDC	  
	DI	44W		
MEDIUM / LARGE	D	48W		
	DI	96W		

CANOPY INFORMATION

Please note power cord and canopy will always be supplied in black unless specified otherwise.

			UNIVERSAL (NORTH AMERICA)			GLOBAL	
PRODUCT	SIZE	OUTPUT	RD	CD	E26	RD	E27
LX-VEC	SMALL	D	SA1	CD9	SA1	SB1	SB1
		DI	SA1	CD9	SA1	SB1	SB1
	MEDIUM	D	SA1	CD9	SA1	SB1	SB1
		DI	SA1	CD13	SA1	SB1	SB1
	LARGE	D	SA1	CD9	SA1	SB1	SB1
		DI	SA1	CD13	SA1	SB1	SB1



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VAPOR ECHO CYLINDER (LX-VEC)

TYPE:

MATERIAL SPECIFICATIONS

COLOR FASTNESS TO LIGHT:	ISO 105-B02-1994 Rating: 6-7
FIRE TEST:	AS 1530.3 / ISO 9705: Group 1 / GB8624 B1 / ASTM E-84-14 (Class A, FSI:20 - SDI:450) / BS EN13501-1:2007+A1:2009 (B-s1, d0)
ENVIRONMENTAL:	PET achieves GreenTag Certification / GreenRate: Level A
THERMAL TRANSITION:	ASTM C518-2010. R- Value = 0.30 m ² K/W
SOUND ABSORPTION:	AS ISO 354 – 2006 / Noise reduction coefficient (NRC) = 0.85
VOC EMISSIONS:	ASTM D5116 Rate: < 0.01 mg/m ² /hr (7 days)

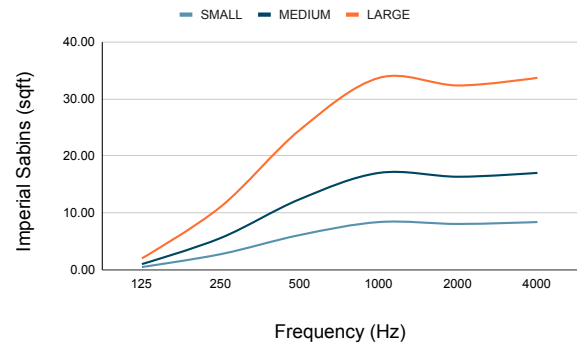
Please note some of these certificates will apply to specific colors.

PRODUCT ACOUSTIC PROPERTIES

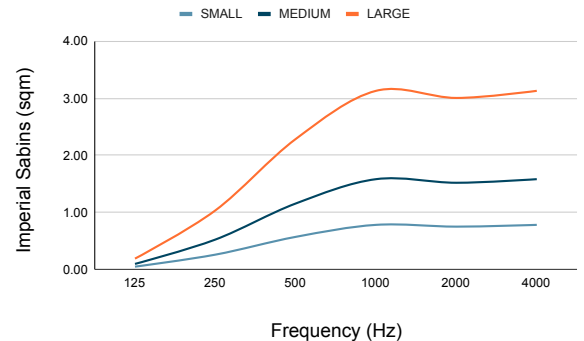
Testing and post analysis procedures were carried out in accordance with the references detailed below:

AS ISO 354-2006 (R2016)	Acoustics—Measurement of sound absorption in a reverberation room
AS ISO 11654—2002	Rating of sound absorption—Materials and systems
ASTM C423-17	Standard Test Method for Sound Absorption and Sound Absorption Coefficients by the Reverberation Room Method
ASTM E795-16	Standard Practices for Mounting Test Specimens During Sound Absorption Tests
ISO 20189	Screens, furniture and single objects intended for interior use – Rating of sound absorption and sound reduction of elements based on laboratory measurements.

IMPERIAL SABINS	Frequency (Hz)	Sound Absorption Coefficient	SMALL (S)	MEDIUM (M)	LARGE (L)
	125	0.06	0.50	1.02	2.02
	250	0.33	2.77	5.62	11.12
	500	0.73	6.13	12.42	24.60
	1000	1	8.39	17.02	33.69
	2000	0.96	8.06	16.34	32.35
	4000	1	8.39	17.02	33.69



METRIC SABINS	Frequency (Hz)	Sound Absorption Coefficient	SMALL (S)	MEDIUM (M)	LARGE (L)
	125	0.06	0.05	0.09	0.19
	250	0.33	0.26	0.52	1.03
	500	0.73	0.57	1.15	2.29
	1000	1	0.78	1.58	3.13
	2000	0.96	0.75	1.52	3.01
	4000	1	0.78	1.58	3.13



The Sabin data shown above is in accordance with the latest International Standards for the rating of sound absorption and reduction. This is different from the classic methodology, which includes the calculation of the Noise Reduction Coefficient (NRC), the Sound Absorption Average (SAA), the Weighted Sound Absorption Coefficient (**aw**) and the Sound Absorption Class (SAC). However, to make it easier to compare against other products, we are including that information on the table on the right, which was calculated using the Horizontal Floor Area method. Fully detailed test reports are available upon request.

NRC	0.75
SAA	0.75
aw	0.60
SAC	C

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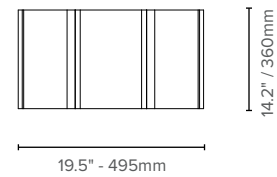
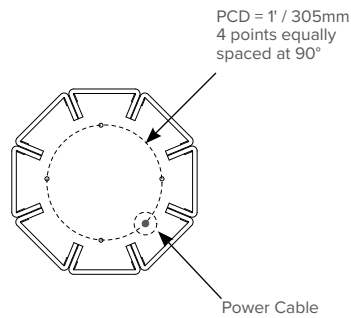
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PRODUCT DIMENSIONS

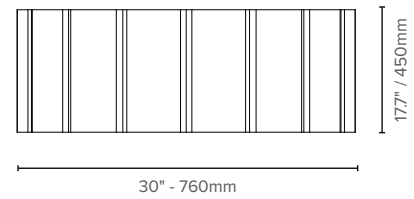
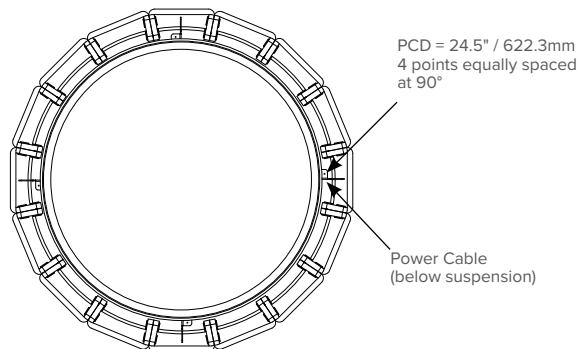
TOP VIEWS

SIDE VIEWS

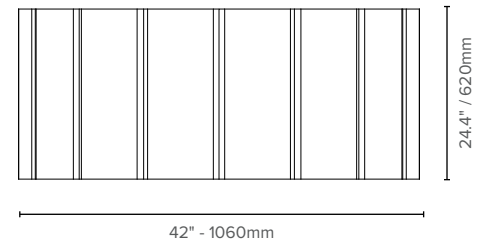
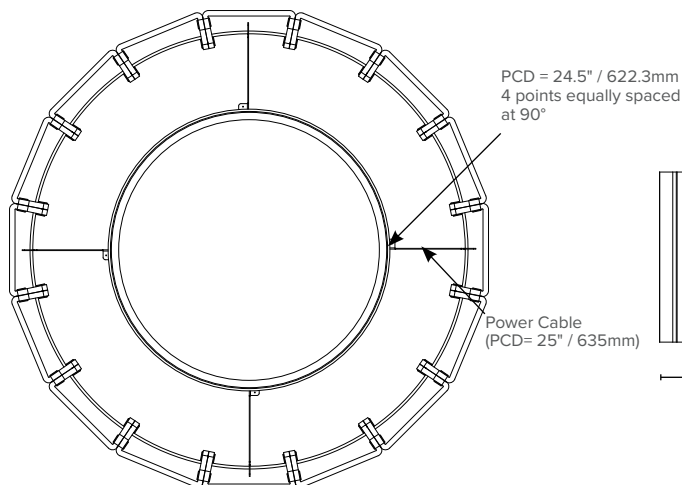
SMALL



MEDIUM



LARGE



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