



VAPOR ECHO CYLINDER (LX-VEC)

TYPE: LX-VEC-

KEY FEATURES

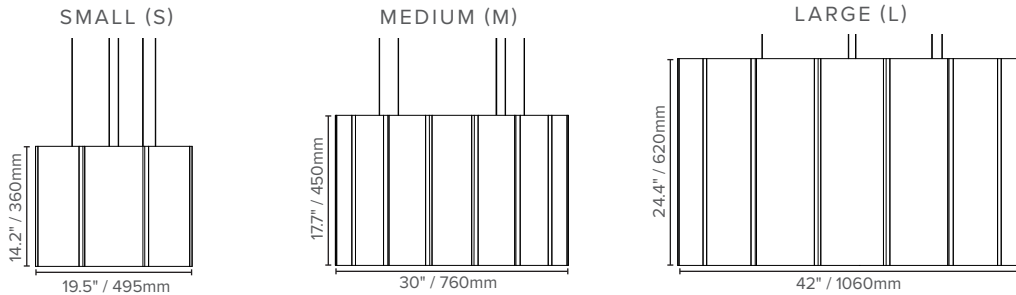
- Highly effective noise absorption
- 3 sizes and a wide range of colors
- High performance dimmable LED light source (Direct) and optional upwards wash dimmable LED lighting (Indirect)
- UGR<19
- Height adjustable 9' / 3m suspension cables and Black woven power cable
- IES photometric files available
- 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
 - High-output direct-indirect (HO) lighting

Declare.

SIZE, OUTPUT AND WEIGHT



Output	SMALL			MEDIUM			LARGE		
	Delivered Lumens	Wattage	Efficacy	Delivered Lumens	Wattage	Efficacy	Delivered Lumens	Wattage	Efficacy
Direct or Indirect	1911 lm	23.8 W	80.3 lm/W	5133 lm	48.3 W	106.3 lm/W	5133 lm	48.3 W	106.3 lm/W
Direct + Indirect	-	-	-	5145 lm	48.3 W	106.5 lm/W	5145 lm	48.3 W	106.5 lm/W
High-output Direct + Indirect	-	-	-	7559 lm	71.8 W	105.3 lm/W	7559 lm	71.8 W	105.3 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, Red, 4000K, Direct-Indirect output, Universal 1% dimming, Remote driver)

LX - VEC		SIZE	COLOR	COLOR TEMP	OUTPUT	DRIVER / DIMMING	DRIVER TYPE	
VEC	S	Small 19.5 x 14.2" / 500x360mm	Use color codes as shown	30	3000K	D	UNV 0 - 10V - 1% dimming (120-277V) (North America only) G**** 1% dimming DSI/DALI (220-240V)	CD Canopy concealed driver (UNV/North America only) RD Remote driver (UNV or G)
	M	Medium 30" x 17.7" / 762x450mm		35	3500K	I		
	L	Large 42" x 24.4" / 1066x620mm		40	4000K	DI** DI HO***		
				*E26 E26 Lamp holder - 120V AC (North America only) *E27 E27 Lamp holder - 220-240V AC (Global)				

* Please note the light globe or driver will not be supplied with the E26/E27 option for this fixture.

*** High Output Direct - Indirect option is not available for size S

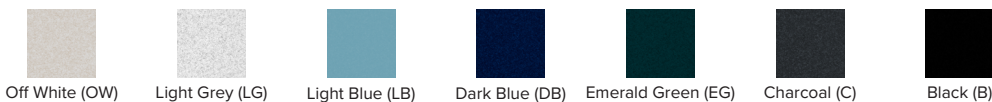
** Direct - Indirect option is not available for size S

**** 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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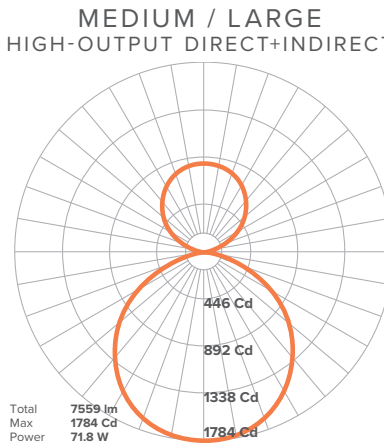
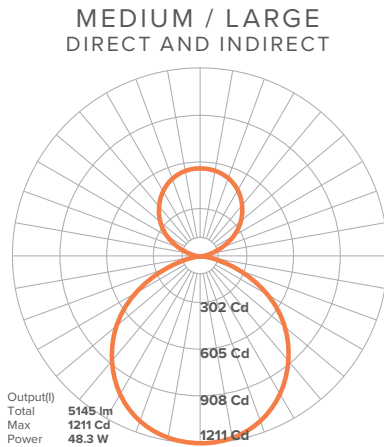
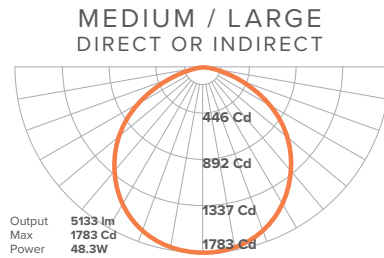
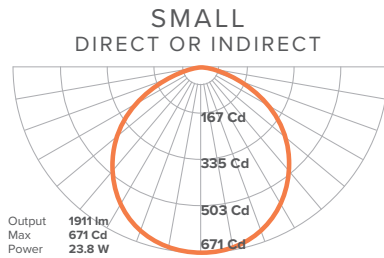
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PHOTOMETRICS

Outpuer Option	SMALL	MEDIUM / LARGE		
	Direct OR Indirect	Direct OR Indirect	Direct + Indirect	High-output Direct + Indirect
Total Lumens Delivered	1911 lm	5133 lm	5145 lm	7559 lm
Wattage	23.8 W	48.3 W	48.3 W	71.8 W
Efficacy	80.3 lm/W	106.3 lm/W	106.5 lm/W	105.3 lm/W
CRI	90+			
CCT	3000-3500-4000 K			
UGR	<19			

LUMINOUS INTENSITY DISTRIBUTION

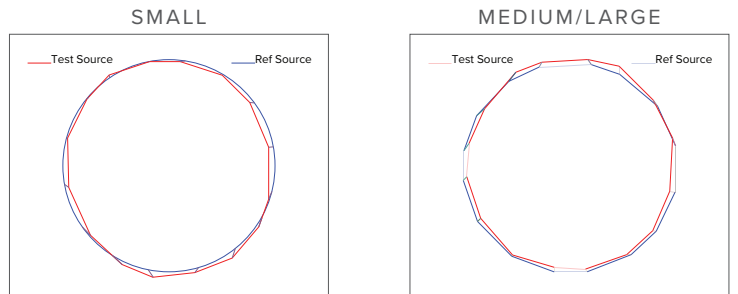


TM-30METRICS

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)	87	88
Rg (Gamut Index)	96	97

COLOR VECTOR GRAPHIC



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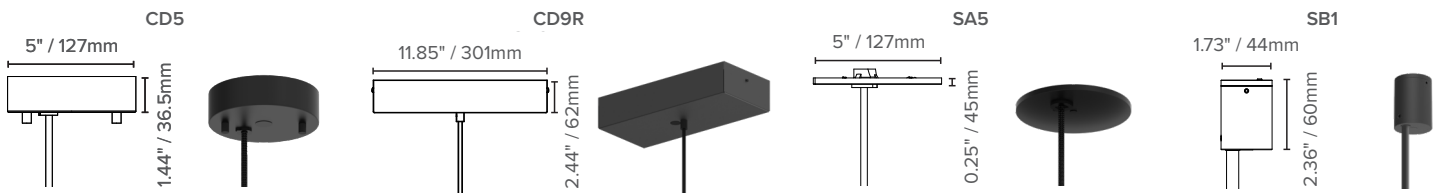
DRIVER INFORMATION

REGION/DIMMING	SIZE	WATTAGE (W)			MAX VOLTAGE (V)	COMPLIANCE
		D OR I	DI	HO		
UNIVERSAL (UNV) 0-10V - 1% dimming 110 - 277VAC <i>(North America only)</i>	SMALL	23.8W	-	-	10-55VDC	
	MEDIUM / LARGE	48.3 W	48.3 W	71.8 W		
GLOBAL (G) 0-10V - 1% dimming 220 - 240VAC DSI DALI	SMALL	23.8W	-	-	6-52VDC	
	MEDIUM / LARGE	48.3W	48.3W	71.8 W		

CANOPY INFORMATION

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

PRODUCT	SIZE	OUTPUT	UNIVERSAL (UNV)			GLOBAL (G)	
			CD	RD	E26	RD	E27
LX-VEC	SMALL	D	CD5	SA5	SA5	SB1	SB1
	MEDIUM / LARGE	D / DI					
		HO	CD9R				



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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)

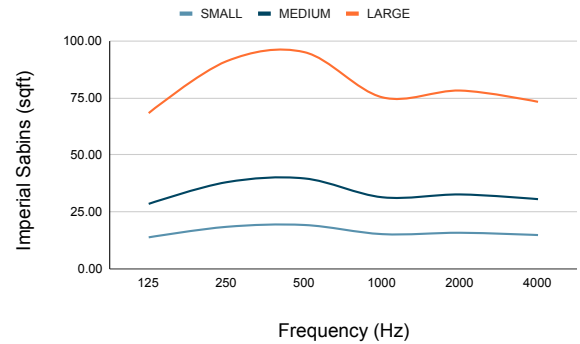
Please note some of these certificates will apply to specific colors.

PRODUCT ACOUSTIC PROPERTIES

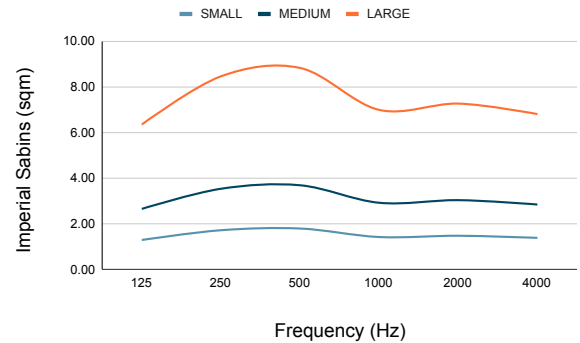
Testing and post analysis procedures were carried out in accordance with the references detailed below:

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	0.69	13.84	28.51	68.31
	250	0.92	18.45	38.02	91.08
	500	0.96	19.25	39.67	95.04
	1000	0.76	15.24	31.41	75.24
	2000	0.79	15.84	32.64	78.21
	4000	0.74	14.84	30.58	73.26



METRIC SABINS	Frequency (Hz)	Sound Absorption Coefficient	SMALL (S)	MEDIUM (M)	LARGE (L)
	125	0.69	1.29	2.65	6.35
	250	0.92	1.71	3.53	8.46
	500	0.96	1.79	3.69	8.83
	1000	0.76	1.42	2.92	6.99
	2000	0.79	1.47	3.03	7.27
	4000	0.74	1.38	2.84	6.81



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	0.9
SAA	0.9
aw	0.8 (MH)

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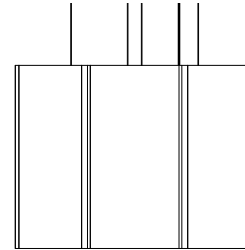
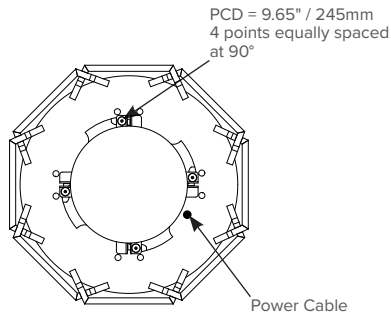
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PRODUCT DIMENSIONS

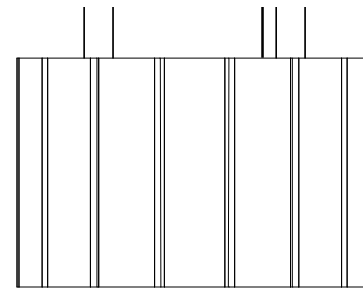
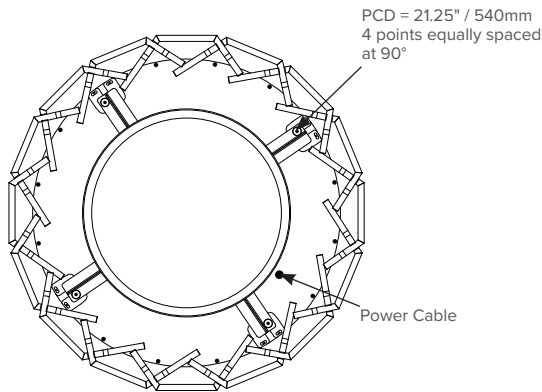
TOP VIEWS

SIDE VIEWS

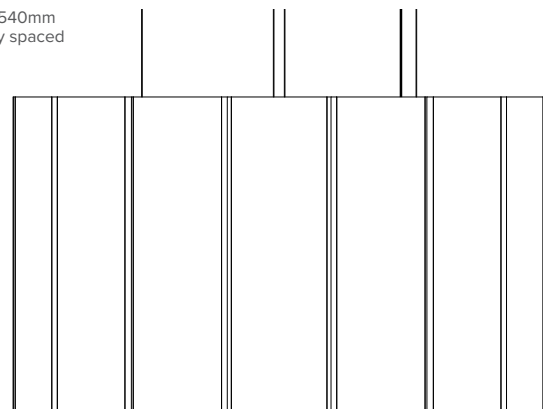
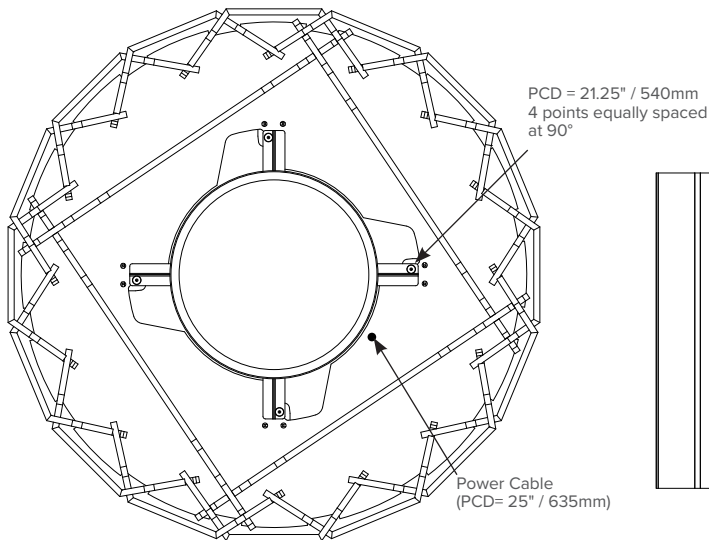
SMALL



MEDIUM



LARGE



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