



VAPOR ECHO CYLINDER (LX-VEC)

TYPE:

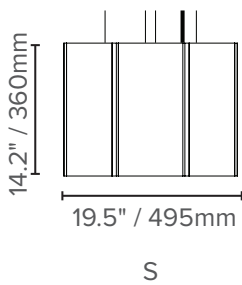
KEY FEATURES

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

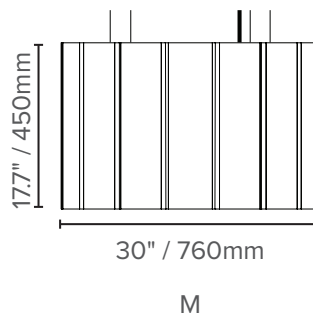
OPTIONAL EXTRAS

- Additional options available upon request:
- 2700K CCT
 - 0.1% dimming option
 - POE
 - Bluetooth controller (US & EU)
 - Tunable White
 - White canopy and power cord
 - BABA Act Certificate

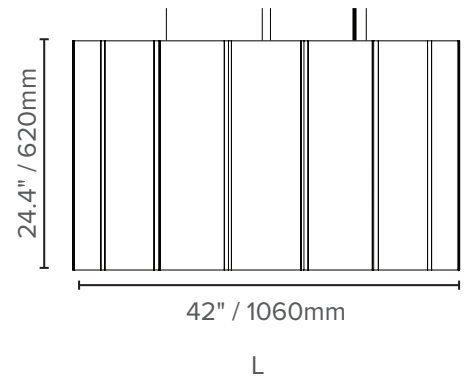
SIZE, OUTPUT AND WEIGHT



S



M



L

SPECIFICATIONS

		Delivered Lumen Output			Wattage (W)	Efficacy (lm/W)	CRI	UGR	Beam Angle		CCT	Weight
		DOWN	UP	TOTAL					DOWN	UP		
VEC-S	DIRECT	1911 lm	-	1911 lm	23.8	80.3	90+	<19	100°	-	3000K 3500K 4000K	18.7lbs / 8.5Kg
VEC-M	DIRECT	5133 lm	-	5133 lm	48.3	106.3			100°	-		19lbs / 8.6Kg
	DIRECT+INDIRECT	3492 lm	1653 lm	5145 lm	48.3	106.5			100°	100°		22.5lbs / 10.2Kg
	DIRECT+INDIRECT - HIGH OUPUT	5153 lm	2406 lm	7559 lm	72	105.0			100°	100°		37.9lbs / 17.2Kg
VEC-L	DIRECT	5133 lm	-	5133 lm	48.3	106.3			100°	-		41.2lbs / 18.7Kg
	DIRECT+INDIRECT	3492 lm	1653 lm	5145 lm	48.3	106.5			100°	100°		
	DIRECT+INDIRECT - HIGH OUPUT	5153 lm	2406 lm	7559 lm	72	105.0			100°	100°		

ORDER CODE

EXAMPLE: LX - VEC - L - SA - 40 - D - G - RD

(Luxxbox Vapor Echo Cylinder, Size L (42" x 24.4" / 1060 x 620mm), Sand PET color, 4000K, Direct output, Global 220-240V 1% dimming, Remote driver)

LX - VEC											
PRODUCT CODE	SIZE		SHADE COLOR	COLOR TEMP		OUTPUT		REGION / DIMMING		DRIVER TYPE	
VEC	S	19.5" x 14.2" 495 x 360mm	Use color codes as shown on the next page	30	3000K	D	Direct	UNV	Universal 110 - 277V / 0-10V 1% Dimming (North America only)	CD	Canopy concealed driver (UNV/North America)
	M	30" x 17.7" 760 x 450mm		35	3500K	I	Indirect	G***	Global 220-240V 1% dimming DSI/DALI	RD	Remote driver (UNV or G)
	L	42" x 24.4" 1060 x 620mm		40	4000K	DI**	Direct+Indirect				
					HO****	Direct+Indirect					
						High Output					
				*E26	E26 Lamp holder - 120V AC (North America)						
				*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. | **Direct + Indirect or Indirect output is not currently available for size S

*** Global (G) dimming type is available with Remote driver (RD) only | ****Direct + Indirect high output is not currently available for size S

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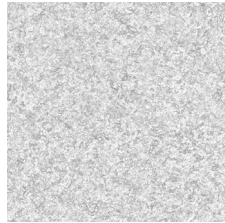
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AVAILABLE COLORS

CORE



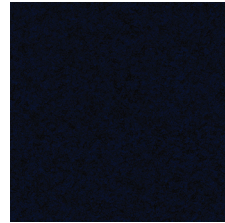
Off White
(OW)



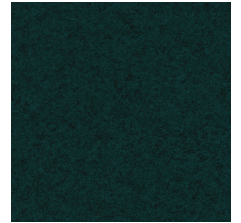
Light Grey
(LG)



Light Blue
(LB)



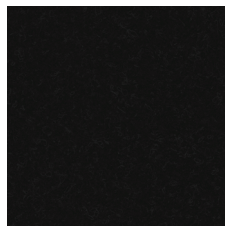
Dark Blue
(DB)



Emerald Green
(EG)



Charcoal
(C)



Black
(B)

DESIGNER



Blush
(BH)



Sand
(SA)



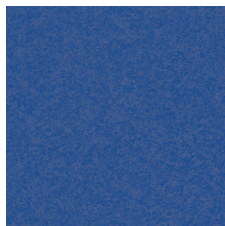
Mid Grey
(MG)



Terra
(TR)



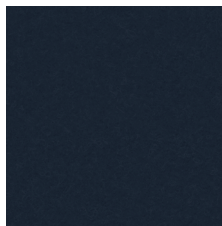
Espresso
(ES)



Bright Blue
(BB)



Steel Blue
(SB)



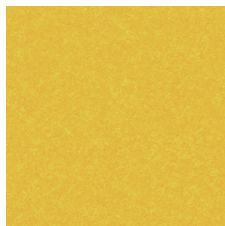
Ink
(IN)



Sage
(SE)



Forest Green
(FG)



Bright Yellow
(BY)



Orange
(O)



Red
(R)

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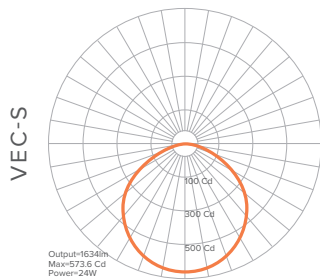
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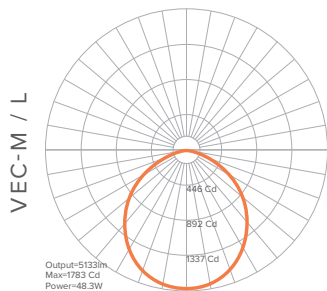
LIGHT SOURCE SPECIFICATIONS

		Delivered Lumen Output			Wattage (W)	Efficacy (lm/W)	CRI	UGR	Beam Angle		CCT
		DOWN	UP	TOTAL					DOWN	UP	
VEC-S	DIRECT	1911 lm	-	1911 lm	23.8	80.3	90+	<19	100°	-	3000K 3500K 4000K
VEC-M	DIRECT	5133 lm	-	5133 lm	48.3	106.3			100°	-	
	DIRECT+INDIRECT	3492 lm	1653 lm	5145 lm	48.3	106.5			100°	100°	
	DIRECT+INDIRECT - HIGH OUTPUT	5153 lm	2406 lm	7559 lm	72	105.0			100°	100°	
VEC-L	DIRECT	5133 lm	-	5133 lm	48.3	106.3			100°	-	
	DIRECT+INDIRECT	3492 lm	1653 lm	5145 lm	48.3	106.5			100°	100°	
	DIRECT+INDIRECT - HIGH OUTPUT	5153 lm	2406 lm	7559 lm	72	105.0			100°	100°	

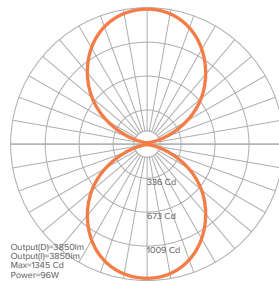
LUMINOUS INTENSITY DISTRIBUTION



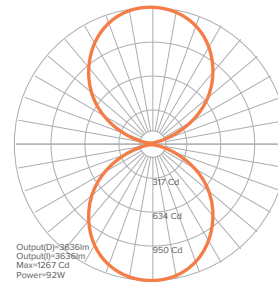
DIRECT



DIRECT



DIRECT+INDIRECT



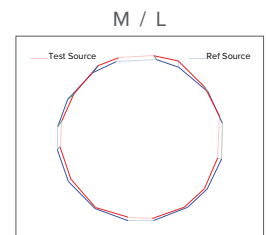
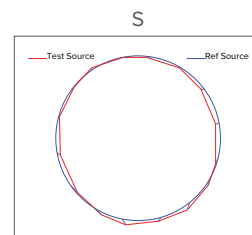
DIRECT+INDIRECT
HIGH OUTPUT

TM-30

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

	S	M / L
Fidelity Index (Rf)	87	88
Gamut Index (Rg)	96	97

COLOR VECTOR GRAPHIC



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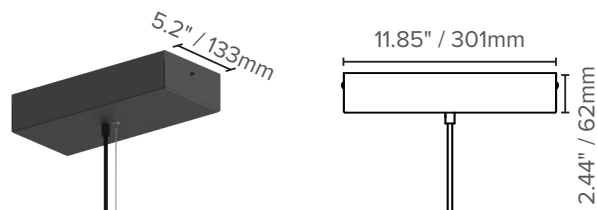
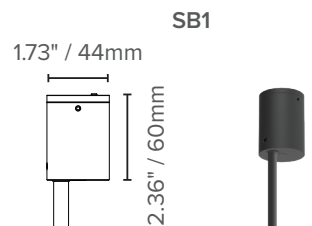
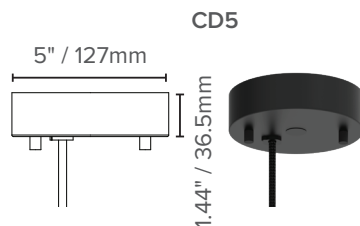
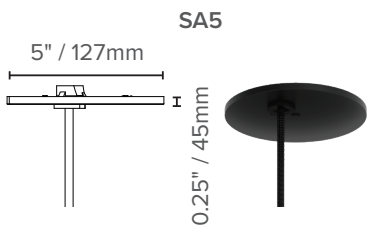
DRIVER INFORMATION

		WATTAGE			MAX VOLTAGE (V)	COMPLIANCE
		DIRECT	DIRECT+INDIRECT	DIRECT+INDIRECT HIGH OUTPUT		
UNIVERSAL (UNV) 0-10V - 1% dimming 110 - 277VAC (North America)	S	23.8W	-	-	10-55VDC	
	M	48.3W	48.3W	-		
	L	48.3W	48.3W	72W		
GLOBAL (G) 1% Dimming DSI DALI 220 - 240VAC	S	23.8W	-	-	6-52V	
	M	48.3W	48.3W	-		
	L	48.3W	48.3W	72W		

CANOPY INFORMATION

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

		UNV (North America)			G	
		RD	CD	E26	RD	E27
VEC-S	D	SA5	CD5	SA5	SB1	SB1
	DI	SA5	CD5	SA5	SB1	SB1
VEC-M / L	D	SA5	CD5	SA5	SB1	SB1
	DI	SA5	CD5	SA5	SB1	SB1
	DI-HO	SA5	CD9R	SA5	SB1	SB1



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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: 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.

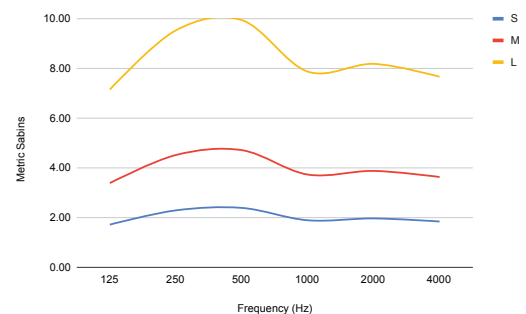
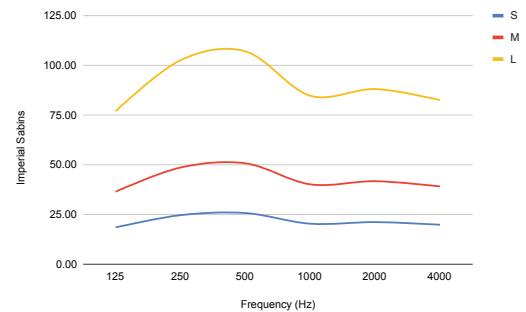
PRODUCT ACOUSTIC PROPERTIES

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.

SABINS (FT ²)	Frequency (Hz)	Sound Absorption Coefficient	S	M	L
	125	0.69	18.49	36.47	76.94
	250	0.92	24.66	48.62	102.59
	500	0.96	25.73	50.74	107.05
	1000	0.76	20.37	40.17	84.75
	2000	0.79	21.17	41.75	88.10
	4000	0.74	19.83	39.11	82.52

SABINS (M ²)	Frequency (Hz)	Sound Absorption Coefficient	S	M	L
	125	0.69	1.72	3.39	7.15
	250	0.92	2.29	4.52	9.53
	500	0.96	2.39	4.71	9.95
	1000	0.76	1.89	3.73	7.87
	2000	0.79	1.97	3.88	8.18
	4000	0.74	1.84	3.63	7.67



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 (α_w) 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	0.85
SAA	0.83
α_w	0.85

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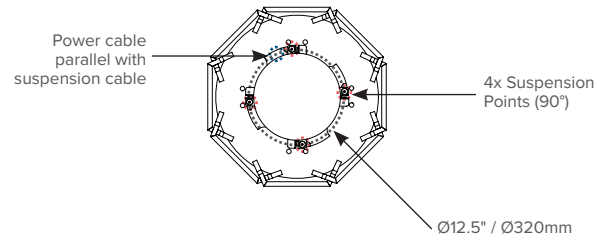
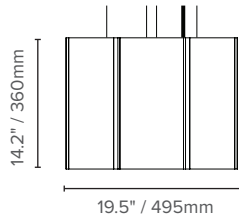
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PRODUCT DIMENSIONS

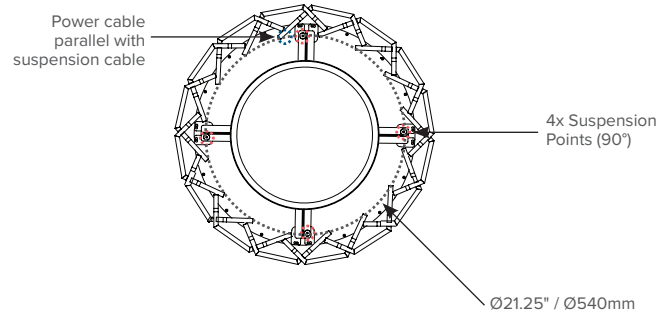
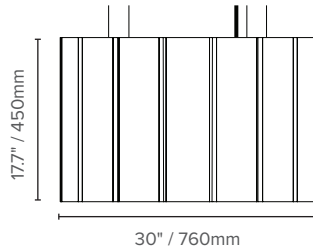
SIDE VIEWS

TOP VIEWS

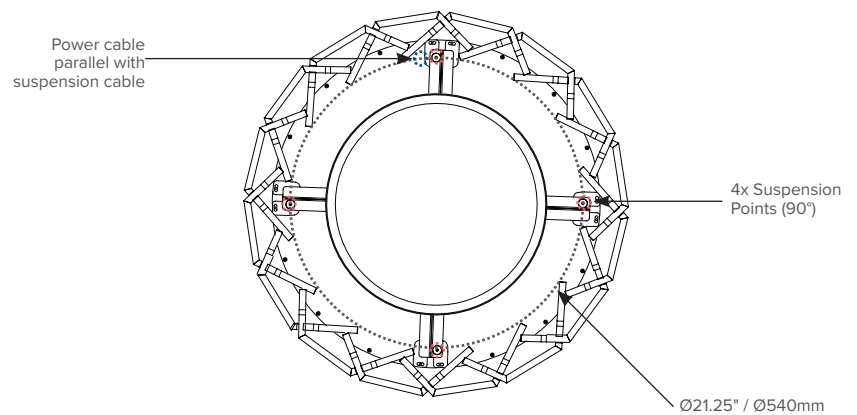
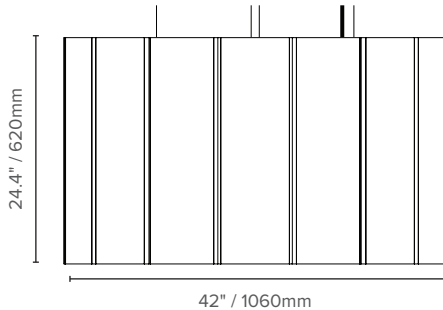
S



M



L



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