



# VAPOR ECHO (LX-VE)

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

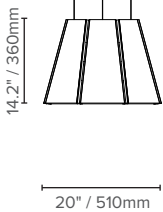
## OPTIONAL EXTRAS

- Additional options available upon request
- 0.1% dimming option
  - POE
  - Bluetooth controller (US & EU only)
  - Tunable White output
  - White canopy and power cord
  - High-output direct-indirect (HO) lighting

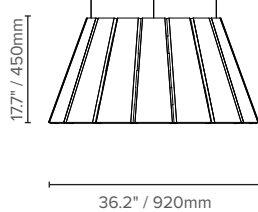
**Declare.**

## SIZE, OUTPUT AND WEIGHT

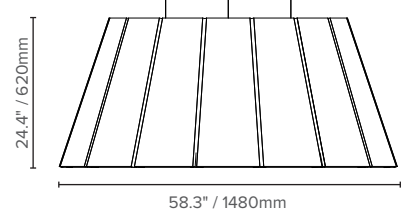
SMALL (S)



MEDIUM (M)



LARGE (L)



Output	SMALL			MEDIUM			LARGE		
	Lumens	Wattage	Efficacy	Lumens	Wattage	Efficacy	Lumens	Wattage	Efficacy
Direct or Indirect	1634 lm	24 W	68 lm/W	3850 lm	48 W	80 lm/W	3850 lm	48 W	80 lm/W
Direct + Indirect	-	-	-	4997 lm	54.5 W	91.7 lm/W	4997 lm	54.5 W	91.7 lm/W
High-output Direct + Indirect	-	-	-	8609 lm	100.8 W	85 lm/W	8609 lm	100.8 W	85 lm/W
Weight	Direct = 18.7 lbs/8.5Kg			Direct = 19 lbs/8.65Kg, Indirect = 22.5 lbs/10.2Kg			Direct = 37.9 lbs/17.2 Kg, Indirect = 41.2 lbs/18.7Kg		

## ORDER CODE

EXAMPLE: LX - VE - L - R - 40 - DI - UNV - RD (Luxxbox Vapor Echo, Large, Red, 4000K, Direct/Indirect output, Universal 120-277V / 0-10V 10% dimming, Remote driver)

ORDER CODE	SIZE	SHADE COLOR	COLOR TEMP			OUTPUT		DRIVER / DIMMING		DRIVER TYPE	
VE	S	Use color codes as shown	30	3000K	D	Direct	UNV	0 - 10V - 1% dimming (120-277V) (North America only)	CD	Canopy concealed driver (UNV/North America only)	
	M		35	3500K	I	Indirect					
	L		40	4000K	DI**	Direct-Indirect	G***	1% dimming DSI/DALI (220 - 240V)	RD	Remote driver (UNV or G)	
	HO		High-output direct-indirect								
			*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. | \*\*Direct + Indirect or Indirect output is not currently available for the Small size \*\*\* 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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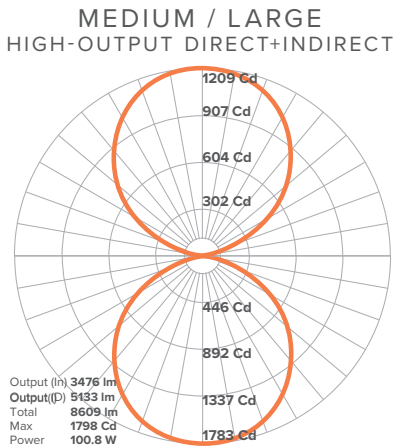
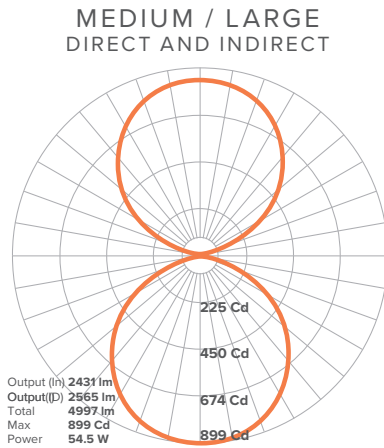
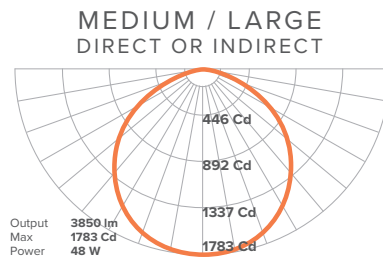
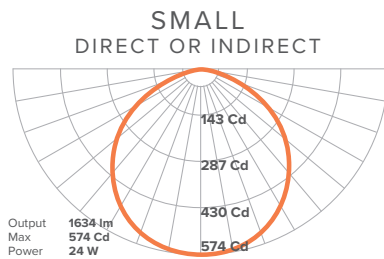
# VAPOR ECHO (LX-VE)

TYPE:

## PHOTOMETRICS

Outpuer Option	SMALL	MEDIUM / LARGE		
	Direct OR Indirect	Direct OR Indirect	Direct + Indirect	High-output Direct + Indirect
Total Lumens Delivered	1634 lm	3850 lm	4997 lm	8609 lm
Wattage	24 W	48 W	54.5 W	100.8 W
Efficacy	68 lm/W	80 lm/W	91.7 lm/W	85 lm/W
CRI	90+			
CCT	3000-3500-4000 K			
UGR	<19			

### LUMINOUS INTENSITY DISTRIBUTION

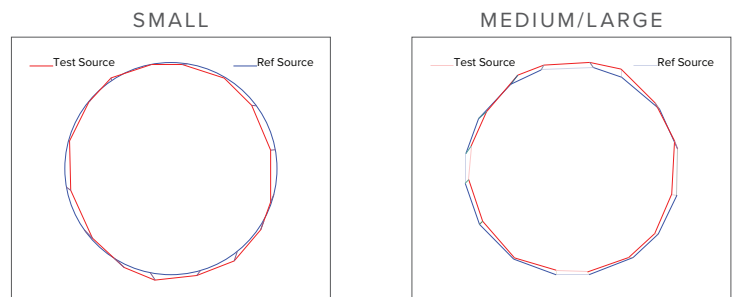


### TM-30METRICS

Fidelity Index (R<sub>f</sub>): Average similarity to the reference source for all colors  
Gamut Index (R<sub>g</sub>): Average change in chroma for all colors

	SMALL	MEDIUM/LARGE
R <sub>f</sub> (Fidelity Index)	87	89
R <sub>g</sub> (Gamut Index)	96	99

### COLOR VECTOR GRAPHIC



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TYPE:

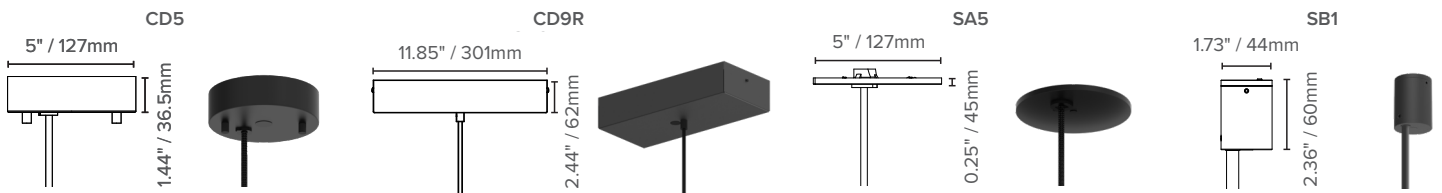
## DRIVER INFORMATION

REGION/DIMMING	SIZE	WATTAGE (W)			MAX VOLTAGE (V)	COMPLIANCE
		D OR I	DI	HO		
<b>UNIVERSAL (UNV)</b> 0-10V - 1% dimming 110 - 277VAC <i>(North America only)</i>	SMALL	24W	-	-	10-55VDC	
	MEDIUM / LARGE	58.9 W	54.5 W	58.9 W		
<b>GLOBAL (G)</b> 0-10V - 1% dimming 220 - 240VAC DSI DALI	SMALL	24W	-	-	6-52VDC	
	MEDIUM / LARGE	45.6W	45.6W	45.6W		

## 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-VE	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 <sup>2</sup> K/W
Sound Absorption	AS ISO 354 – 2006 / Noise reduction coefficient (NRC) = 0.85
VOC Emissions	ASTM D5116 Rate: < 0.01 mg/m <sup>2</sup> /hr (7 days)

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

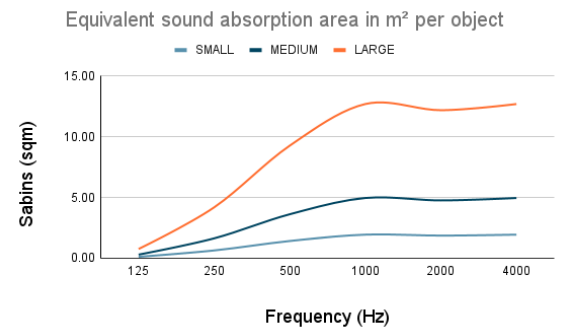
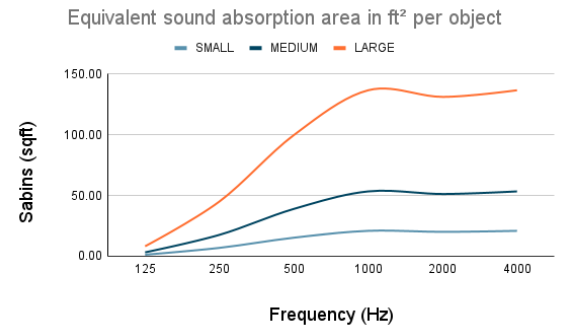
## PRODUCT ACOUSTIC PROPERTIES

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.

Frequency (Hz)	IMPERIAL SABINS		
	SMALL	MEDIUM	LARGE
125	1.26	3.21	8.21
250	6.90	17.63	45.13
500	15.27	38.99	99.83
1000	20.92	53.42	136.75
2000	20.08	51.28	131.28
4000	20.92	53.42	136.75

Frequency (Hz)	METRIC SABINS		
	SMALL	MEDIUM	LARGE
125	0.12	0.30	0.76
250	0.64	1.64	4.19
500	1.42	3.62	9.27
1000	1.94	4.96	12.70
2000	1.87	4.76	12.20
4000	1.94	4.96	12.70



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<sub>w</sub>**) 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
α <sub>w</sub>	0.6 (MH)

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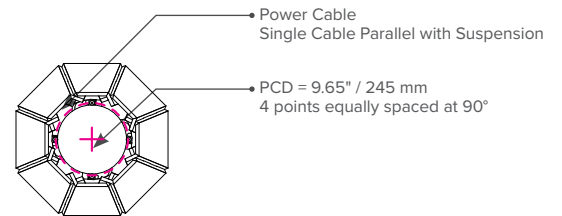
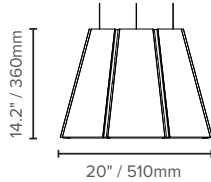


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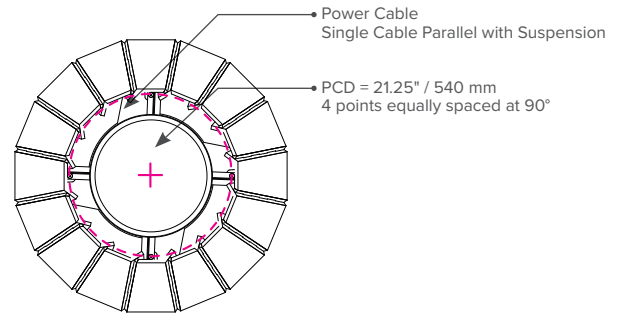
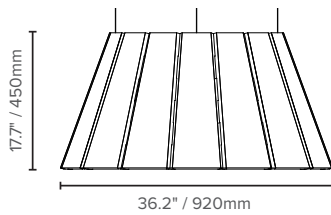
TYPE:

## PRODUCT DIMENSIONS

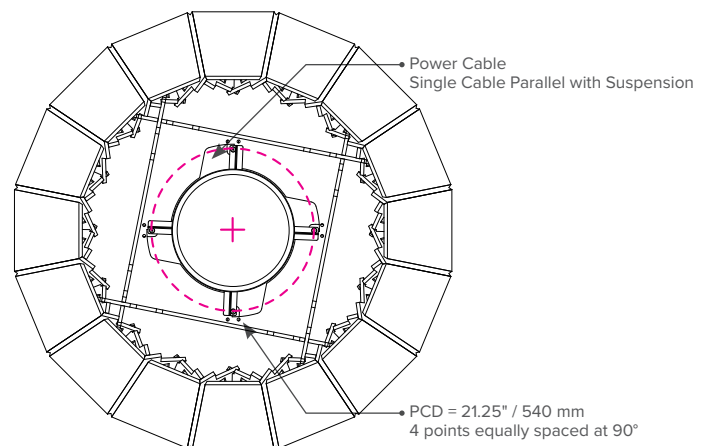
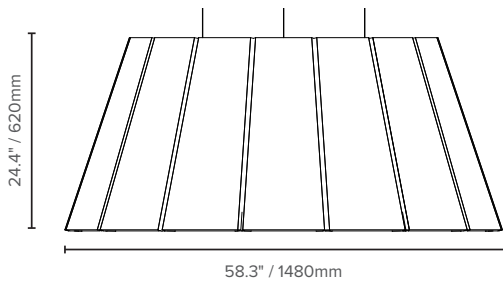
### SMALL



### MEDIUM



### LARGE



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