



# VAPOR ECHO RECTILINEAR (LX-VER)

TYPE:

## KEY FEATURES

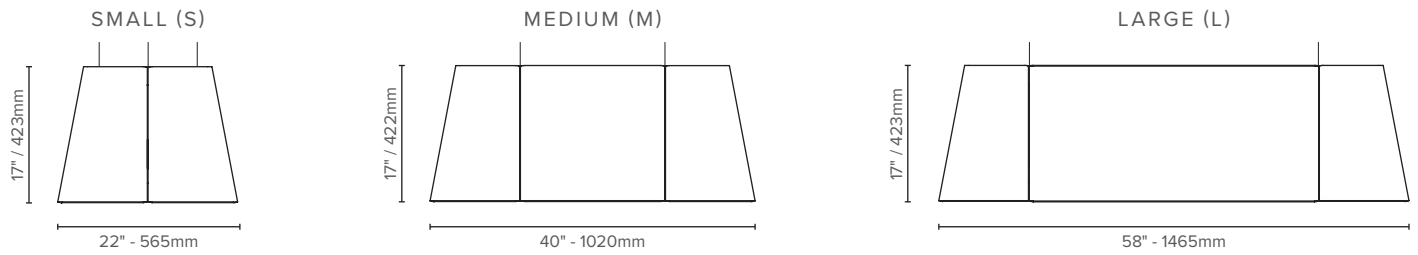
- Highly effective noise absorption
- 3 sizes and a wide range of colors
- High performance dimmable LED light source (Direct) and optional upwards wash dimmable LED lighting (Indirect)
- UGR<19
- Height adjustable 9' / 3m suspension cables and Black woven power cable
- IES photometric files available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

## SIZE, OUTPUT AND WEIGHT



Output	SMALL			MEDIUM			LARGE		
	Delivered Lumens	Wattage	Efficacy	Delivered Lumens	Wattage	Efficacy	Delivered Lumens	Wattage	Efficacy
Direct OR Indirect	1682lm	23W	73 lm/W	2471lm	34W	73 lm/W	3645lm	46W	79 lm/W
Direct AND Indirect	3364lm	46W	73 lm/W	4942lm	68W	73 lm/W	7290lm	92W	79 lm/W
Weight	8.8 lbs/4 Kg (D)   10.6 lbs/4.8 Kg (DI)			13.9 lbs/6.3 Kg (D)   17.6 lbs/8.0 Kg (DI)			20.7 lbs/9.4 Kg (D)   27.8 lbs/12.6 Kg (DI)		

## ORDER CODE

EXAMPLE: LX - VER - L - R - 40 - D - UNV - RD

(Luxbox Vapor Echo Rectilinear, Large (58" / 1459mm), Red, 4000K, direct output, universal (110-277V, 0-10V dimming), remote driver)

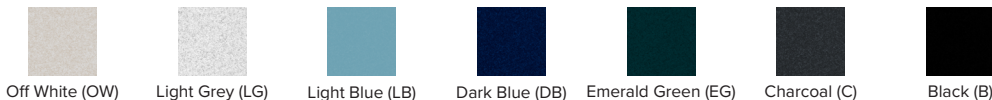
LX - VER		LENGTH		SHADE COLOR		COLOR TEMP		OUTPUT		REGION / DIMMING		DRIVER TYPE			
VER	S	22" / 559mm	Use color codes as shown	30	3000K	D	Direct	UNV	0 - 10V - 10% dimming (120-277V) (North America only)		CD	Canopy concealed driver (UNV/North America only)			
	M	40" / 1009mm		35	3500K	I	Indirect		G	1% dimming DSI/DALI (220 - 240V)*		RD	Remote driver (UNV or G)		
	L	58" / 1459mm		40	4000K	DI	Direct + Indirect								

\* 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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## PHOTOMETRICS

Option	SMALL		MEDIUM		LARGE	
	Direct OR Indirect	Direct AND Indirect	Direct OR Indirect	Direct AND Indirect	Direct OR Indirect	Direct AND Indirect
Total Lumens Delivered	1682lm	3364lm	2471lm	4942lm	3645lm	7290lm
Wattage	23W	46W	34W	68W	46W	92W
Efficacy	73 lm/W					
CRI	90+					
CCT	3000-3500-4000 K					
UGR	<19					

## LUMINOUS INTENSITY DISTRIBUTION

SMALL

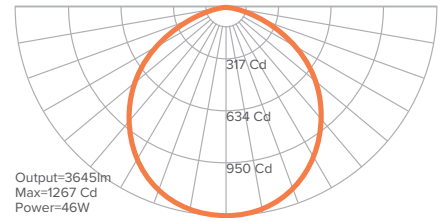
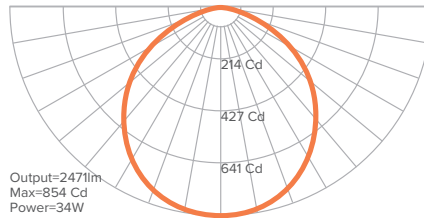
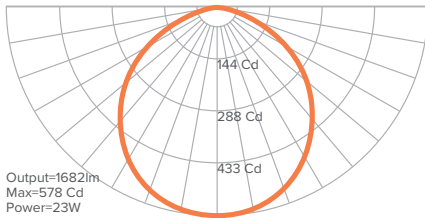
MEDIUM

LARGE

DIRECT

DIRECT

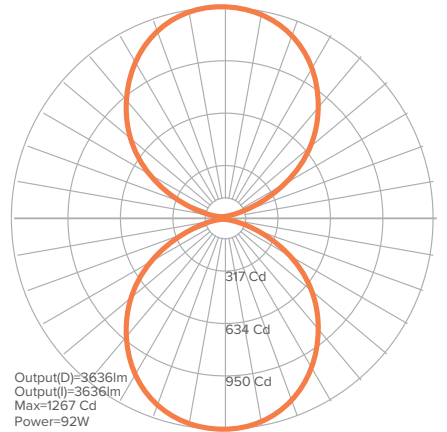
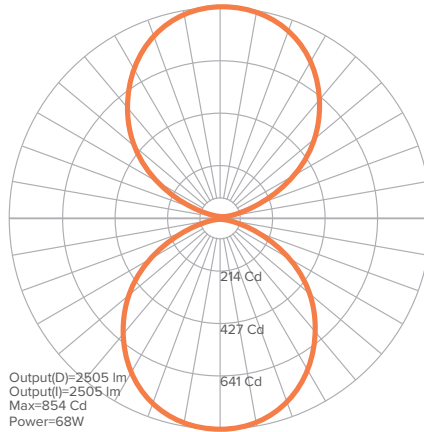
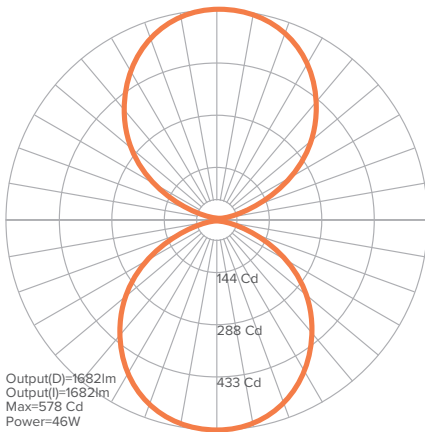
DIRECT



DIRECT-INDIRECT

DIRECT-INDIRECT

DIRECT-INDIRECT



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TYPE:

## DRIVER INFORMATION

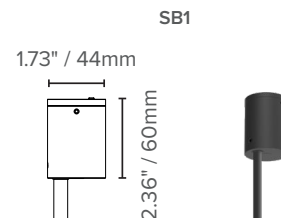
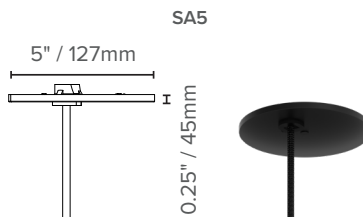
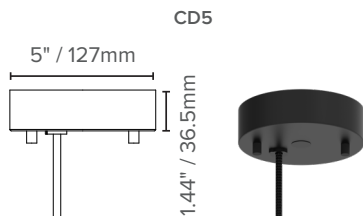
UNIVERSAL 110-277 VAC / 0-10V 10% DIMMING (North America only)				
Size	Output	Wattage	Voltage	Compliance
SMALL	D	23W	10-55VDC	
	DI	46W		
MEDIUM	D	34W		
	DI	68W		
LARGE	D	46W		
	DI	92W		

GLOBAL 220-240V 1% DIMMING DSI DALI				
Size	Output	Wattage	Voltage	Compliance
SMALL	D	23W	6-52VDC	
	DI	46W		
MEDIUM	D	34W		
	DI	68W		
LARGE	D	46W		
	DI	92W		

## CANOPY INFORMATION

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

PRODUCT	SIZE	OUTPUT	UNIVERSAL (NORTH AMERICA)		GLOBAL
			RD	CD	RD
LX-VER	SMALL	D / DI	SA5	CD5	SB1
	MEDIUM	D / DI	SA5	CD5	SB1
	LARGE	D / DI	SA5	CD5	SB1



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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:

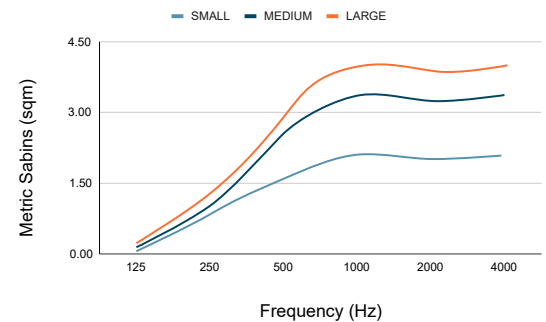
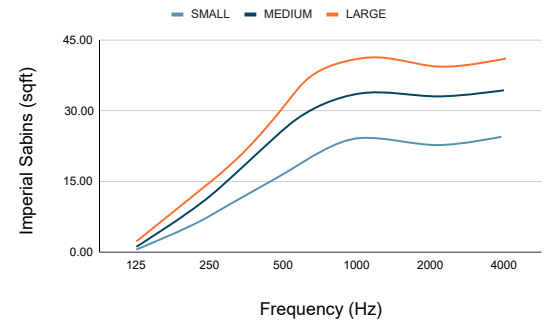
AS ISO 354-2006 (R2016)	Acoustics—Measurement of sound absorption in a reverberation room
AS ISO 11654—2002	Rating of sound absorption—Materials and systems
ASTM C423-17	Standard Test Method for Sound Absorption and Sound Absorption Coefficients by the Reverberation Room Method
ASTM E795-16	Standard 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.

IMPERIAL SABINS

Frequency (Hz)	Sound Absorption Coefficient	SMALL (S)	MEDIUM (M)	LARGE (L)
125	0.06	1.41	2.20	2.63
250	0.33	7.78	12.07	14.46
500	0.73	17.21	26.72	31.98
1000	1	23.57	36.60	43.81
2000	0.96	22.63	35.14	42.06
4000	1	23.57	36.60	43.81

METRIC SABINS

Frequency (Hz)	Sound Absorption Coefficient	SMALL (S)	MEDIUM (M)	LARGE (L)
125	0.06	0.13	0.20	0.24
250	0.33	0.72	1.12	1.34
500	0.73	1.60	2.48	2.97
1000	1	2.19	3.40	4.07
2000	0.96	2.10	3.26	3.91
4000	1	2.19	3.40	4.07



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 ( $\alpha_w$ ) 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.

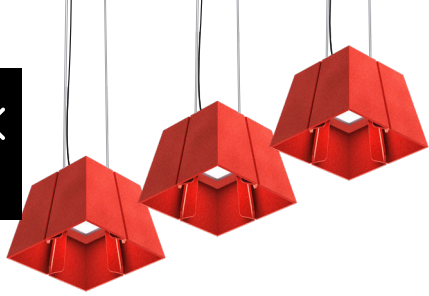
NRC	0.75
SAA	0.75
$\alpha_w$	0.60
SAC	C

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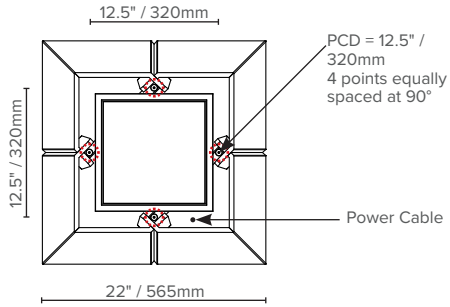
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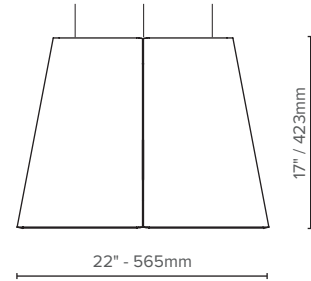
## PRODUCT DIMENSIONS

### TOP VIEWS

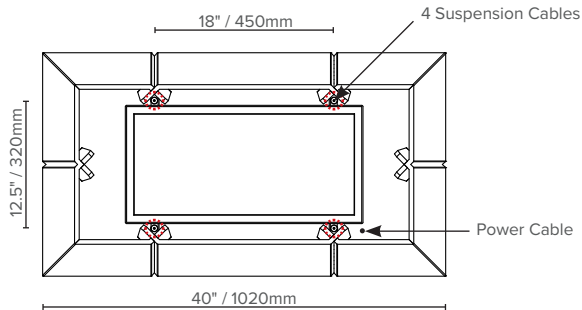
#### SMALL



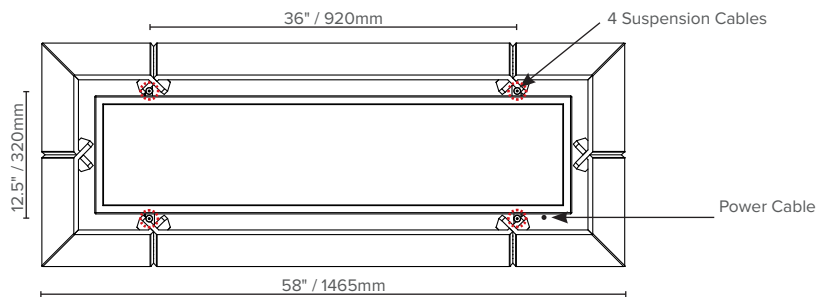
### SIDE VIEW



#### MEDIUM



#### LARGE



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