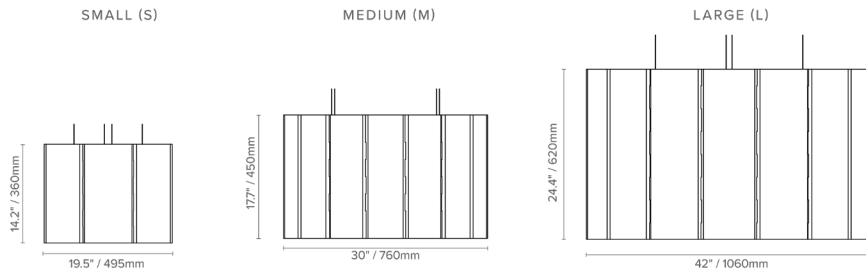# VAPOR ECHO CYLINDER (LX-VEC)

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

Declare.

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

SIZE AND WEIGHT

SMALL (S)
14.2" / 360mm
19.5" / 495mm

MEDIUM (M)
17.7" / 450mm
30" / 760mm

LARGE (L)
24.4" / 620mm
42" / 1060mm

	SMALL			MEDIUM			LARGE		
Output	Delivered Lumens	Wattage	Efficacy	Delivered Lumens	Wattage	Efficacy	Delivered Lumens	Wattage	Efficacy
Direct or Indirect	1634 lm	24 W	68 lm/W	5133 lm	58.9 W	87.2 lm/W	5133 lm	58.9 W	87.2 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	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)
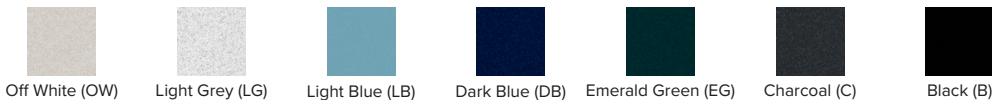
LX - VEC	_____		_____	_____		_____	_____		_____
CODE	SIZE		COLOR	COLOR TEMP		OUTPUT	DRIVER / DIMMING		DRIVER TYPE
VEC	S	Small 19.5 x14.2" / 500x360mm	Use color codes as shown	30	3000K	D — Direct	UNV	0 - 10V - 1% dimming (120-277V) (North America only)	CD — Canopy concealed driver (UNV/North America only)
	M	Medium 30"x 17.7" / 762x450mm		35	3500K	I — Indirect	G***	1% dimming DSI/DALI (220 - 240V)	RD — Remote driver (UNV or G)
	L	Large 42"x 24.4" / 1066x620mm		40	4000K	DI** — Direct-Indirect			
				*E26	E26 Lamp holder - 120V AC (North America only)				
				*E27	E27 Lamp holder - 220-240V AC (Global)				
	HO	High-output Direct-Indirect							

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

Off White (OW) Light Grey (LG) Light Blue (LB) Dark Blue (DB) Emerald Green (EG) Charcoal (C) Black (B)

DESIGNER

Sand (SA) Mid Grey (MG) Bright Blue (BB) Steel Blue (SB) Forest Green (FG) Bright Yellow (BY) Orange (O) Red (R)

LUXXBOX USA INC × (P)+1 (415) 871 0448 × USA@LUXXBOX.COM
LUXXBOX PTY LTD × (P)+61 7 3257 2822 × INFO@LUXXBOX.COM
WWW.LUXXBOX.COM
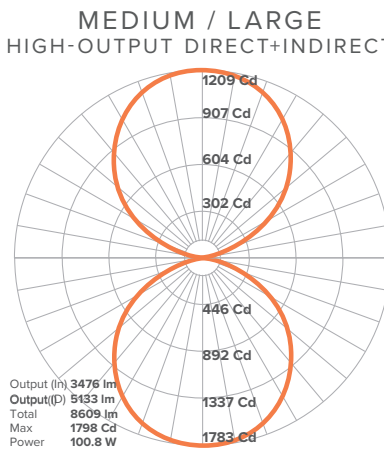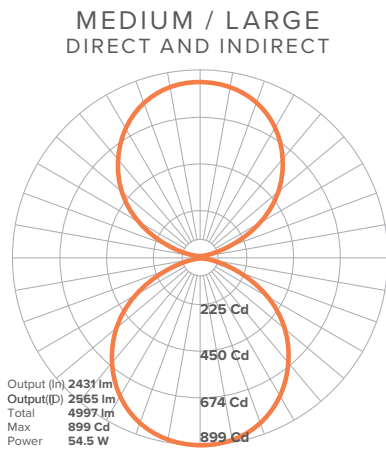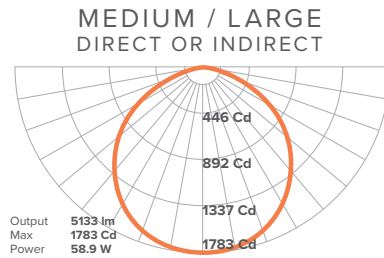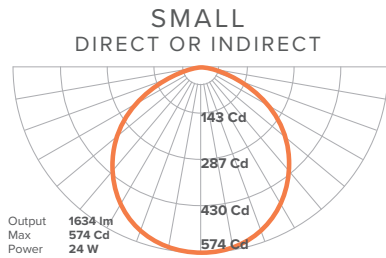
GOING ZERO PET 1 CE ETL C US INTERTEK

VAPOR ECHO CYLINDER (LX-VEC)

TYPE:

PHOTOMETRICS

Outpuer Option	SMALL	MEDIUM / LARGE		
	Direct OR Indirect	Direct OR Indirect	Direct + Indirect	High-output Direct + Indirect
Total Lumens Delivered	1634 lm	5133 lm	4997 lm	8609 lm
Wattage	24 W	58.9 W	54.5 W	100.8 W
Efficacy	68 lm/W	87.2 lm/W	91.7 lm/W	85 lm/W
CRI	90+			
CCT	3000-3500-4000 K			
UGR	<19			

LUMINOUS INTENSITY DISTRIBUTION

SMALL
DIRECT OR INDIRECT

143 Cd
287 Cd
430 Cd
574 Cd

Output 1634 lm
Max 574 Cd
Power 24 W

MEDIUM / LARGE
DIRECT OR INDIRECT

446 Cd
892 Cd
1337 Cd
1783 Cd

Output 5133 lm
Max 1783 Cd
Power 58.9 W

MEDIUM / LARGE
DIRECT AND INDIRECT

225 Cd
450 Cd
674 Cd
899 Cd

Output (In) 2431 lm
Output(D) 2565 lm
Total 4997 lm
Max 899 Cd
Power 54.5 W

MEDIUM / LARGE
HIGH-OUTPUT DIRECT+INDIRECT

1209 Cd
907 Cd
604 Cd
302 Cd
446 Cd
892 Cd
1337 Cd
1783 Cd

Output (In) 3476 lm
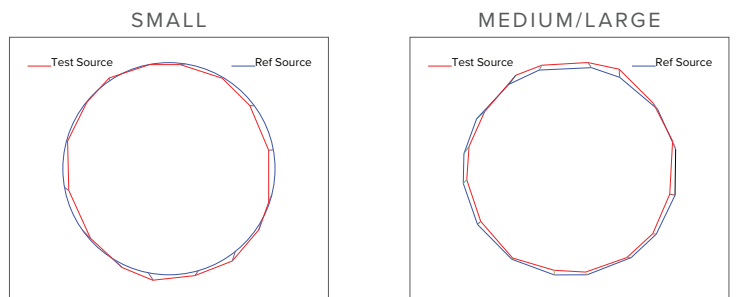Output(D) 5133 lm
Total 8609 lm
Max 1798 Cd
Power 100.8 W

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

Test Source — Ref Source

MEDIUM/LARGE

Test Source — Ref Source

LUXXBOX USA INC × (P)+1 (415) 871 0448 × USA@LUXXBOX.COM
LUXXBOX PTY LTD × (P)+61 7 3257 2822 × INFO@LUXXBOX.COM
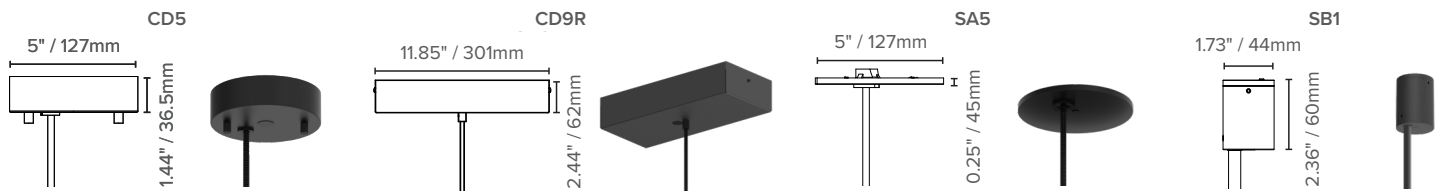WWW.LUXXBOX.COM

GOING ZERO
1 PET

VAPOR ECHO CYLINDER (LX-VEC)

TYPE:

DRIVER INFORMATION

REGION/DIMMING	SIZE	WATTAGE (W)			MAX VOLTAGE (V)	COMPLIANCE
		D OR I	DI	HO		
UNIVERSAL (UNV) 0-10V - 1% dimming 110 - 277VAC *(North America only)*	SMALL	24W	-	-	10-55VDC	FC c(UL)us LISTED
	MEDIUM / LARGE	58.9 W	54.5 W	58.9 W		
GLOBAL (G) 0-10V - 1% dimming 220 - 240VAC DSI DALI	SMALL	24W	-	-	6-52VDC	DALI CB CE RoHS
	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-VEC	SMALL	D	CD5	SA5	SA5	SB1	SB1
	MEDIUM / LARGE	D / DI					
		HO	CD9R				

CD5
5" / 127mm
1.44" / 36.5mm

CD9R
11.85" / 301mm
2.44" / 62mm

SA5
5" / 127mm
0.25" / 45mm

SB1
1.73" / 44mm
2.36" / 60mm

GOING ZERO PET 1 CE c(ETL)us

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^2K/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 Coeficient	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
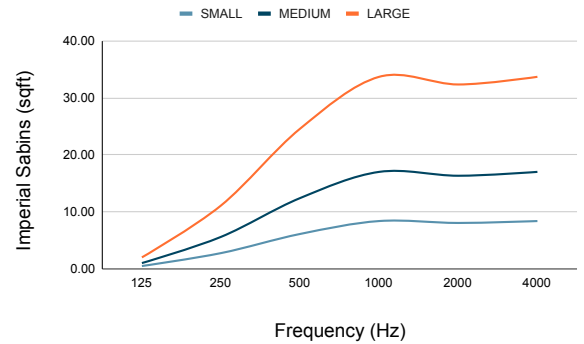
METRIC SABINS

Frequency (Hz)	Sound Absorption Coeficient	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
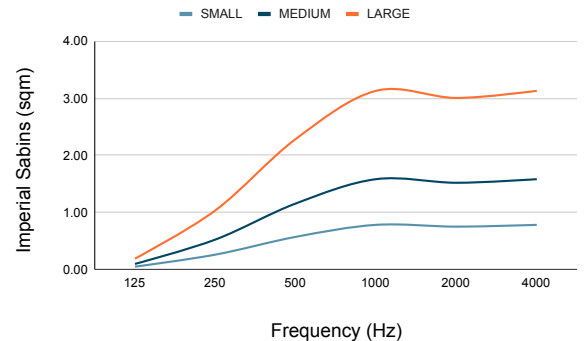
The Sabin data shown above is in accordance with the latest International Standards for the rating of sound absorption and reduction. This is different from the classic methodology, which includes the calculation of the Noise Reduction Coeficient (NRC), the Sound Absorption Average (SAA), the Weighted Sound Absoption Coefficient (αw) 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
αw	0.60
SAC	C

LUXXBOX USA INC × (P)+1 (415) 871 0448 × USA@LUXXBOX.COM
LUXXBOX PTY LTD × (P)+61 7 3257 2822 × INFO@LUXXBOX.COM
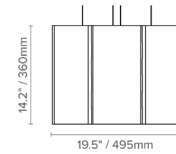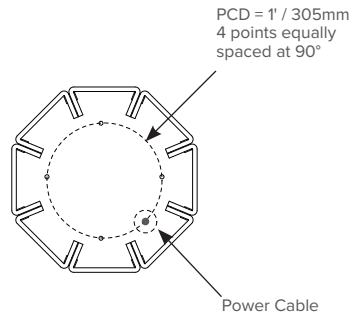WWW.LUXXBOX.COM

GOING ZERO

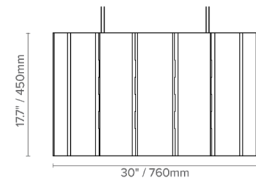# VAPOR ECHO CYLINDER (LX-VEC)

TYPE:

PRODUCT DIMENSIONS

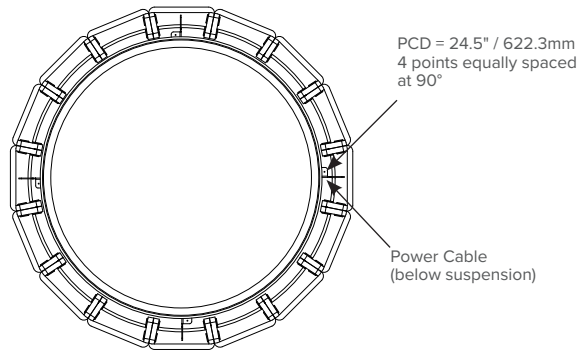## TOP VIEWS

SIDE VIEWS

SMALL

PCD = 1' / 305mm
4 points equally
spaced at 90°

Power Cable

14.2" / 360mm

19.5" / 495mm

MEDIUM

PCD = 24.5" / 622.3mm
4 points equally spaced
at 90°

Power Cable
(below suspension)

17.7" / 450mm

30" / 760mm

LARGE

PCD = 24.5" / 622.3mm
4 points equally spaced
at 90°

Power Cable
(PCD= 25" / 635mm)

24.4" / 620mm

42" / 1060mm

GOING ZERO

1 PET