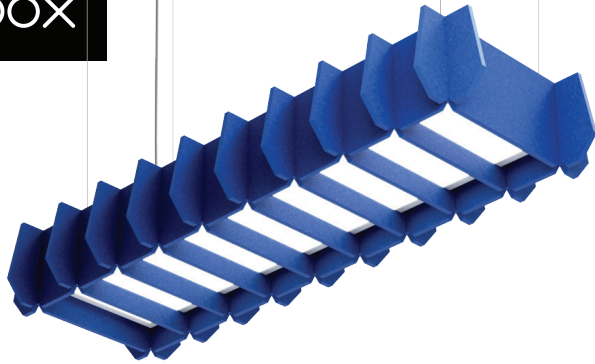




# MATRIX (LX-MA)

TYPE: LX-MA-



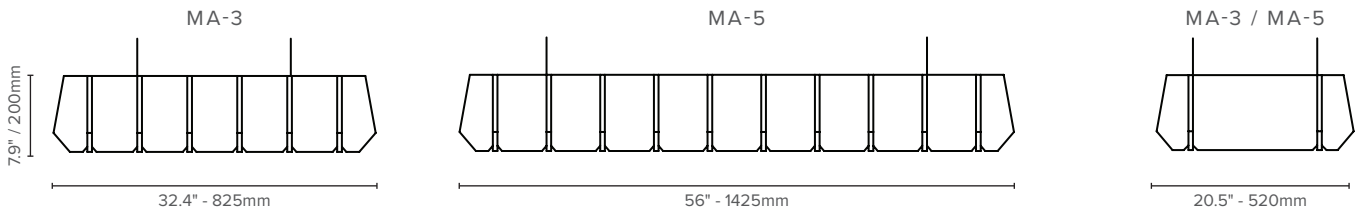
## KEY FEATURES

- Ceiling Baffle System and stand alone linear lights
- Highly effective noise absorption
- Join any number of fixtures for continuous run lengths
- 2 sizes and a wide range of colors
- High performance dimmable LED light
- 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

## OPTIONAL EXTRAS

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

## SIZE, OUTPUT AND WEIGHT



		Delivered Lumen Output			Wattage (W)	Efficacy (lm/W)	CRI	UGR	Beam Angle		CCT	Weight
		DOWN	UP	TOTAL					DOWN	UP		
MA-3	DIRECT	2471 lm	-	2471 lm	34	72.7	90+	<19	114°	-	3000K	8.4lbs
	DIRECT+INDIRECT	2505	2505	5010 lm	68	73.7			114°	114°		3500K
MA-5	DIRECT	3645 lm	-	3645 lm	46	79.2			114°	-	4000K	14.6lbs
	DIRECT+INDIRECT	3636 lm	3636 lm	7272	92	79.0			114°	114°		6.6Kg

## ORDER CODE

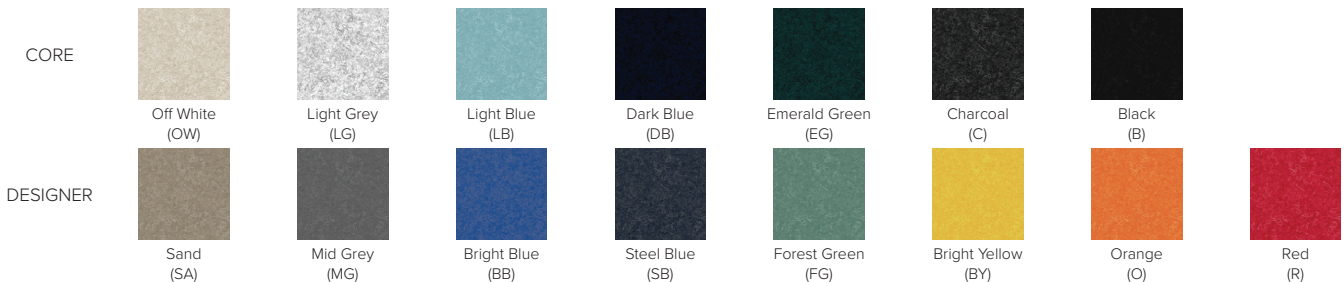
EXAMPLE: LX - MA - 3 - SA - 40 - G - RD

(Luxbox Matrix, Size 3 (32.4" x 7.9" / 825 x 200mm), Sand PET color, 4000K, Global 220-240V 1% dimming, Remote driver)

LX - MA												
PRODUCT CODE	SIZE	SHADE COLOR	COLOR TEMP		OUTPUT		REGION / DIMMING		DRIVER TYPE			
MA	3	32.4" x 7.9 x 20.5" 470 x 145 mm	Use color codes as shown below	30	3000K	D	Direct	UNV	Universal 110 - 277V / 0-10V 1% Dimming (North America only)		CD	Canopy concealed driver (UNV/North America)
	5	56" x 7.9 x 20.5" 1425 x 145 mm		35	3500K	I	Indirect					
				40	4000K	DI	Direct+Indirect	G*	Global 220-240V 1% dimming DSI/DALI		RD	Remote driver (UNV or G)
			A	Acoustic Baffle								

\* Global (G) dimming type is available with Remote Driver (RD) only.

## AVAILABLE COLORS



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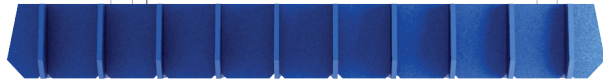
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# MATRIX (LX-MA)

TYPE: LX-MA-

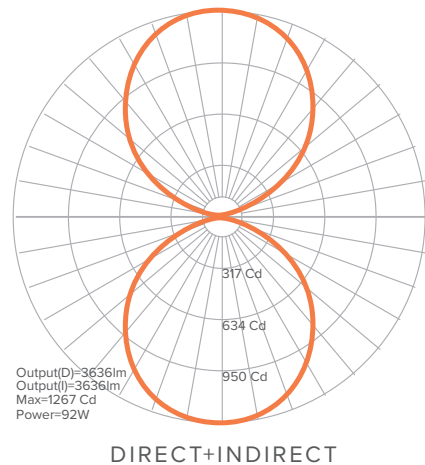
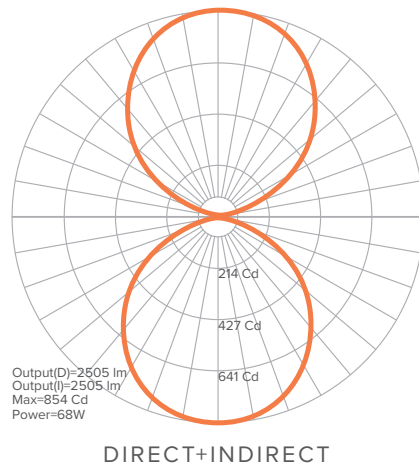
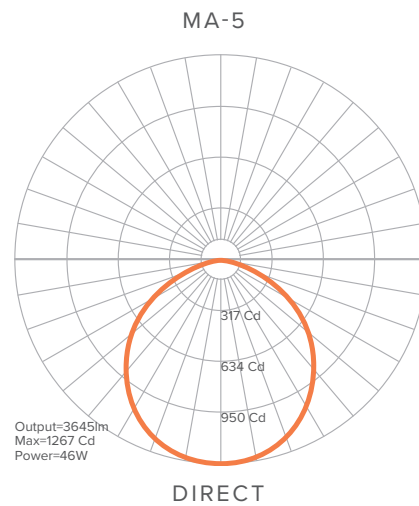
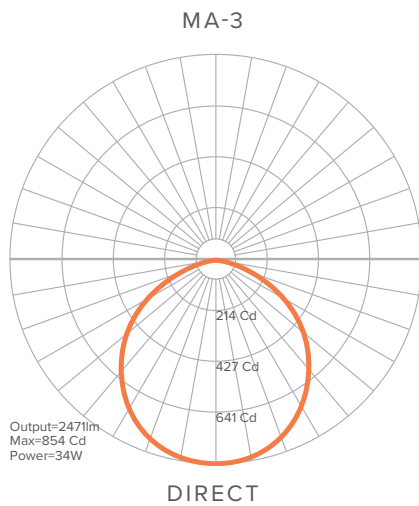


## PHOTOMETRICS

### LIGHT SOURCE SPECIFICATIONS

		Delivered Lumen Output			Wattage (W)	Efficacy (lm/W)	CRI	UGR	Beam Angle		CCT
		DOWN	UP	TOTAL					DOWN	UP	
MA-3	DIRECT	2471 lm	-	2471 lm	34	72.7	90+	<19	114°	-	3000K 3500K 4000K
	DIRECT+INDIRECT	2505 lm	2505 lm	5010 lm	68	73.7			114°	114°	
MA-5	DIRECT	3645 lm	-	3645 lm	46	79.2			114°	-	
	DIRECT+INDIRECT	3636 lm	3636 lm	7272	92	79.0			114°	114°	

### LUMINOUS INTENSITY DISTRIBUTION



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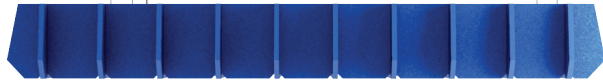
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# MATRIX (LX-MA)

TYPE: LX-MA-



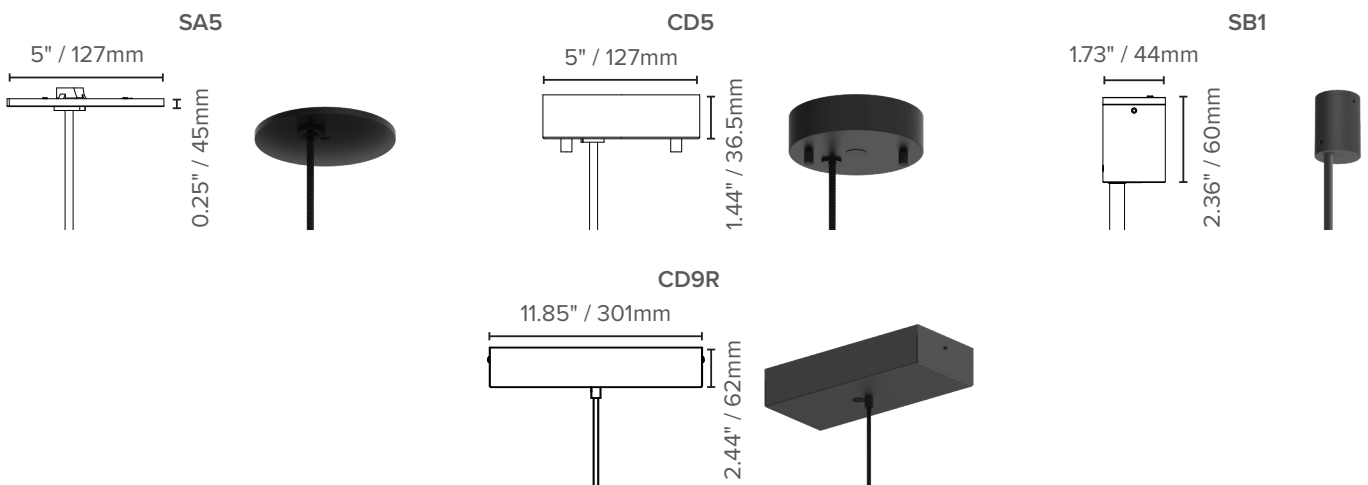
## DRIVER INFORMATION

		WATTAGE		MAX VOLTAGE (V)	COMPLIANCE
		DIRECT	DIRECT+INDIRECT		
<b>UNIVERSAL (UNV)</b> 0-10V - 1% dimming 110 - 277VAC <i>(North America)</i>	MA-3	34W	68W	10-55VDC	
	MA-5	46W	92W		
<b>GLOBAL (G)</b> 1% DSI DALI dimming 220 - 240VAC	MA-3	34W	68W	6-52VDC	
	MA-5	46W	92W		

## CANOPY INFORMATION

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

		UNV (North America)		G
		RD	CD	RD
MA-3	D	SA5	CD5	SB1
	DI	SA5	CD9R	SB1
MA-5	D	SA5	CD5	SB1
	DI	SA5	CD9R	SB1



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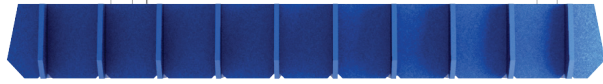
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# MATRIX (LX-MA)

TYPE: LX-MA-



## MATERIAL SPECIFICATIONS

<b>COLOR FASTNESS TO LIGHT:</b>	ISO 105-B02-1994 Rating: 6-7
<b>FIRE TEST:</b>	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)
<b>ENVIRONMENTAL:</b>	PET: GreenTag Certification / GreenRate: Level A
<b>THERMAL TRANSITION:</b>	ASTM C518-2010. R- Value = 0.30 m <sup>2</sup> K/W
<b>SOUND ABSORPTION:</b>	AS ISO 354 – 2006 / Noise reduction coefficient (NRC) = 0.85
<b>VOC EMISSIONS:</b>	ASTM D5116 Rate: < 0.01 mg/m <sup>2</sup> /hr (7 days)

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

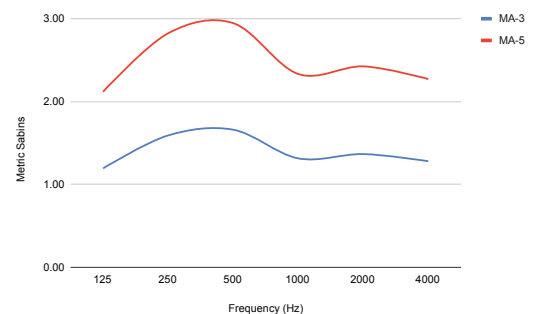
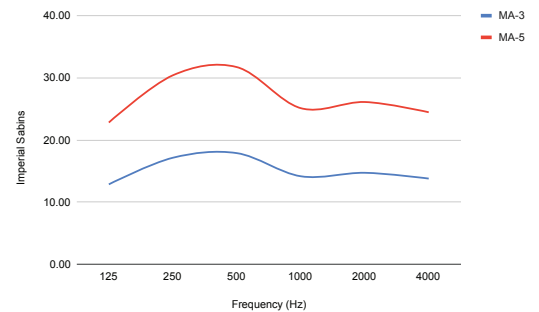
## PRODUCT ACOUSTIC PROPERTIES

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

<b>AS ISO 354-2006 (R2016)</b>	Acoustics—Measurement of sound absorption in a reverberation room
<b>AS ISO 11654—2002</b>	Rating of sound absorption—Materials and systems
<b>ASTM C423-17</b>	Standard Test Method for Sound Absorption and Sound Absorption Coefficients by the Reverberation Room Method
<b>ASTM E795-16</b>	Standard Practices for Mounting Test Specimens During Sound Absorption Tests
<b>ISO 20189</b>	Screens, furniture and single objects intended for interior use – Rating of sound absorption and sound reduction of elements based on laboratory measurements.

SABINS (FT <sup>2</sup> )	Frequency (Hz)	Sound Absorption Coefficient	MA-3	MA-5
	125	0.69	15.97	28.34
	250	0.92	14.90	26.44
	500	0.96	17.88	31.72
	1000	0.76	13.22	23.46
	2000	0.79	16.20	28.75
	4000	0.74	15.64	27.76

SABINS (M <sup>2</sup> )	Frequency (Hz)	Sound Absorption Coefficient	MA-3	MA-5
	125	0.69	1.19	2.12
	250	0.92	1.59	2.82
	500	0.96	1.66	2.95
	1000	0.76	1.31	2.33
	2000	0.79	1.37	2.43
	4000	0.74	1.28	2.27



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.

<b>NRC</b>	0.85
<b>SAA</b>	0.83
<b>aw</b>	0.85

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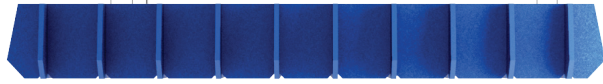
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# MATRIX (LX-MA)

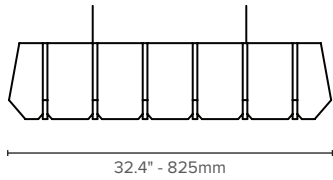
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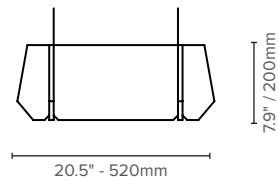
## PRODUCT DIMENSIONS

MA-3

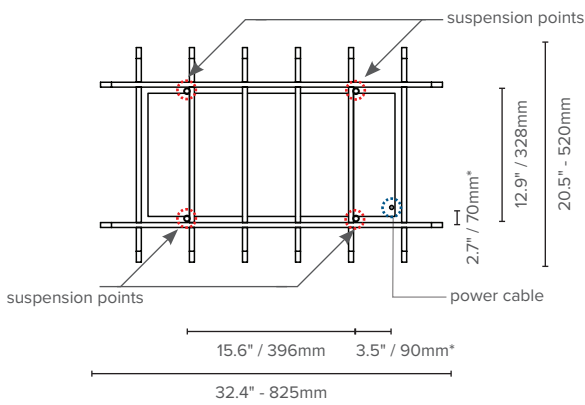
SIDE VIEW



FRONT VIEW

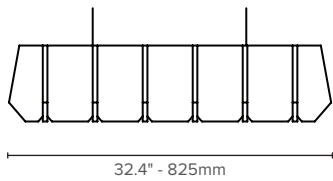


TOP VIEW

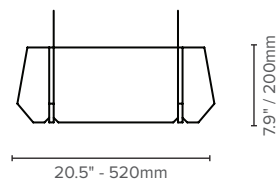


MA-5

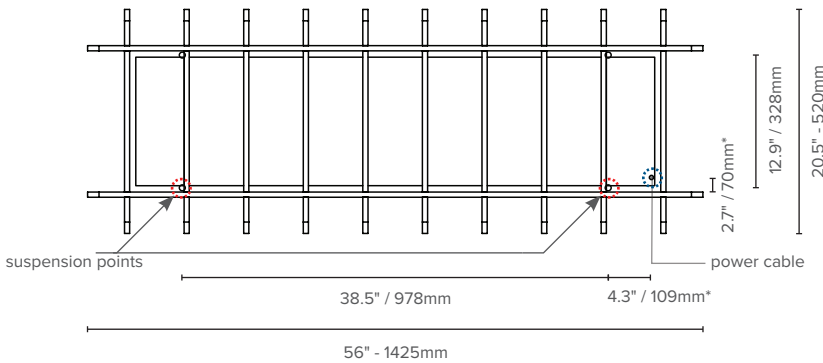
SIDE VIEW



FRONT VIEW



TOP VIEW



\*NOTE: These dimensions locate the power cable in reference to the nearest suspension point

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