

LINEA MESH (LX-LM)

TYPE:

KEY FEATURES

- Part of the Linea family's innovative acoustic baffle and linear lighting system
- Highly effective sound absorption
- 8 module sizes, 3 heights, 3 connector types and a wide range of colors in PET and Wool
- High performance dimmable LED light source with 7 output options.
- Height adjustable 9' / 3m suspension cables and Black woven power cable
- IES / LDT photometric files available

OPTIONAL EXTRAS

- Additional options available upon request:
- POE
 - Casambi Bluetooth controller (US)
 - Tunable White output
 - White canopy and power cord
 - BABA Act Certificate
 - Can be integrated with Linea and Tessell fixtures.



SPECIFICATION PROCESS

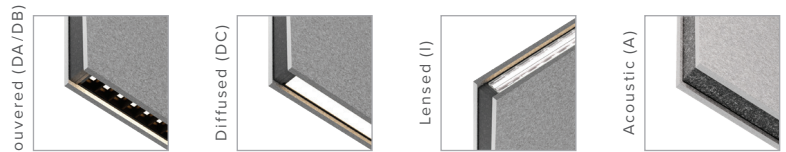
Linea Mesh has been designed to easily specify all the parts needed to create a grid-style product. For this, you simply have to combine two different type of components with separate ordering codes: Modules and Connectors. For large installations, precision during installation is key, we recommend the involvement of an engineer or an engineering firm for support.

MODULES

LENGTHS	LN-2	LN-3	LN-4	LN-5	LN-6	LN-7	LN-8
	mm	620	900	1180	1460	1741	2021
in	24.4	35.4	46.5	57.5	68.5	79.6	90.6

HEIGHTS	H0	H1	H2	W
	mm	174	290	580
in	6.8	11.4	22.8	2.8

OUTPUT



PATTERNS



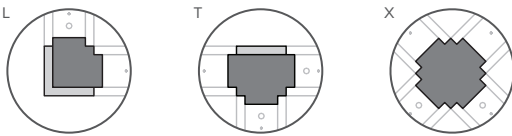
COLORS

Two color ranges are available for this product with a combined array of 92 options:

- Recycled PET: 15 colors
- Pure Wool: 77 colors

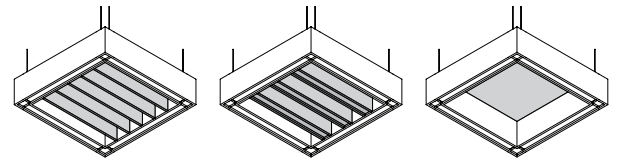
Check p.2 for more info

CONNECTORS



COMING SOON: ACCESSORIES

Different accessories to increase acoustic performance will also be available soon. Stay tuned for more info!



ORDER CODES

EXAMPLE (CONNECTOR): LX - LM - L - H1 - B - SA

(Luxbox Linea Mesh Connector, L Shape (for 2 modules in L shape, 90°), H1 Height (11.4" / 290mm), Pattern Basica, Sand PET color)

LX - LM	SHAPE		HEIGHT		PATTERN		COLOR*
LM	L	For 2 modules in L shape, 90°	H0	174mm / 6.8"	B	Basica	Use color codes as shown on pg. 2
	T	For 3 modules in T shape, 90°	H1	290mm / 11.4"	R	Ranura	
	X	For 4 modules in X shape, 90°	H2	580mm / 23"			

*Core always in Charcoal

EXAMPLE (MODULE): LN - 2 - H1 - B - SA - 35 - DA - G - RD

(Luxbox Linea module Length 2 (600mm / 1ft-11.7in), H1 Height (11.4" / 290mm), Pattern Basica, Sand PET color, 3500K CCT, DA output, 220-240V 1% dimming DSI/DALI, Remote Driver)

LX - LN	SIZE	HEIGHT	PATTERN		COLOR*	COLOR TEMP	OUTPUT***	REGION / DIMMING		DRIVER TYPE	
LN	Use length code as shown on pg. 4	H0	174mm (6.8")	B Basica R Ranura	Use color codes as shown on pg. 2	30	3000K	DA	UNV 110-277V 0-10V - 1% dimming (North America) 220-240V 1% dimming DSI/DALI	CD Canopy concealed driver (UNV/North America) RD Remote driver (UNV or G)	
		H1	290mm (11.4")			35	3500K	DB Direct B (76°, louvered)			
		H2	580mm (23")			40	4000K	DC Direct C (100°, Lensed) I Indirect (160°, Lensed) DIA Direct A + Indirect DIB Direct B + Indirect DIC Direct C + Indirect			
						A**	Acoustic baffle				

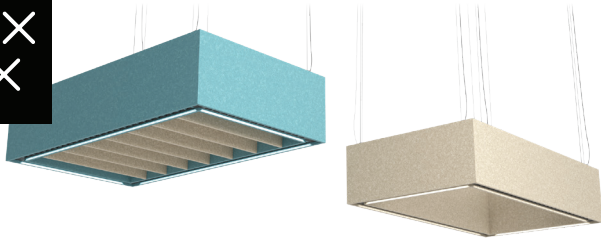
*Core always in Charcoal | **For acoustic baffle only, specify A in the 'color temp' column and leave the remaining columns blank
See pg.3 for more information about the different Output options | * Global (G) dimming type is available with Remote driver (RD) only

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TYPE:

AVAILABLE COLORS

Colors are subject to lead times and variations across batches

SOLID PET COLOR OPTIONS

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)

CLASSIC WOOL COLOR OPTIONS

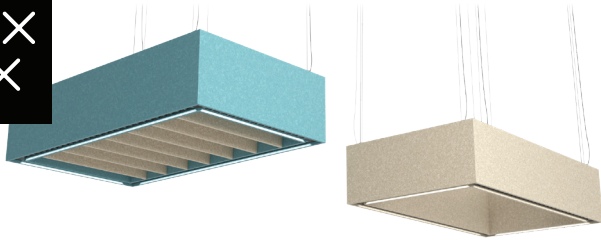
4M	2T	4T	4C	3V	2I	3W	3Q	4N	18
13	39	63	90	3P	3T	4Q	3N	4L	3L
4U	3S	82	4R	3M	58	2W	47	86	4X
4A	4D	2Q	1E	28	4W	1J	31	30	35
1R	1V	1W	1P	1Y	12	67	08	02	4H
3Z	2U	2Z	3X	3B	4B	4S	4K	33	4J
4P	09	26	62	1F	1K	1L	53	3U	1N
3Y	3R	3A	4V	4F	4E	4G			

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LINEA MESH (LX-LM)

TYPE:

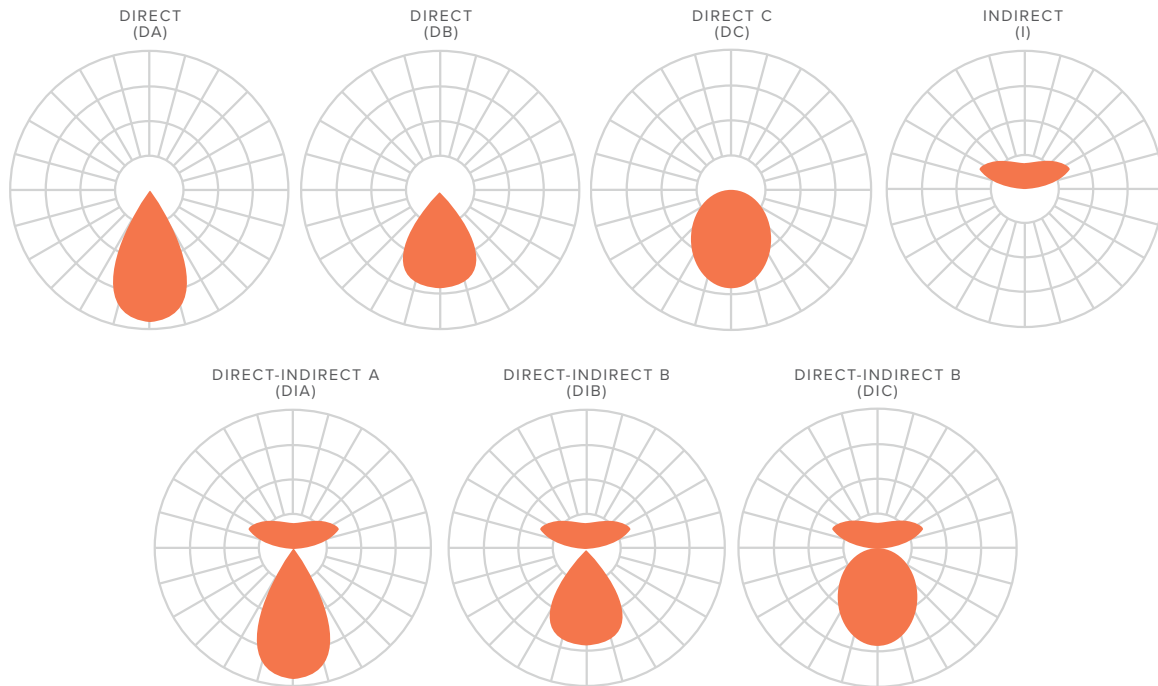
PHOTOMETRICS:

MODULE OUTPUT: PER METER | PER FOOT

The Module Output refers to the output of a single module. Please see p.4 for more detailed information on the output of specific lengths

	Delivered Lumen Output (per meter per foot)			Beam Angle		Wattage (W/m W/ft)	Efficacy (lm/W)	CRI	UGR	CCT
	DOWN	UP	TOTAL	DOWN	UP					
DA	3420 lm/m 1060 lm/ft	-	3420 lm/m 1060 lm/ft	50°	-	26W/m 8W/ft	133	90+	<5	3000K 3500K 4000K
DB	3326 lm/m 1031 lm/ft	-	3326 lm/m 1031 lm/ft	76°	-	26W/m 8W/ft	129		<5	
DC	2620 lm/m 812 lm/ft	-	2620 lm/m 812 lm/ft	100°	-	40W/m 13W/ft	75.5		<19	
I	-	3113 lm/m 965 lm/ft	3113 lm/m 965 lm/ft	-	160°	26W/m 8W/ft	121		-	
DIA	3420 lm/m 1060 lm/ft	3113 lm/m 965 lm/ft	6533 lm/m 2025 lm/ft	50°	160°	52W/m 16W/ft/	127		<5	
DIB	3326 lm/m 1031 lm/ft	3113 lm/m 965 lm/ft	6439 lm/m 1996 lm/ft	76°	160°	52W/m 16W/ft/	125		<5	
DIC	2620 lm/m 812 lm/ft	3113 lm/m 965 lm/ft	5733 lm/m 1777 lm/ft	100°	160°	65W/m 21W/ft/	94.7		<19	

LUMINOUS INTENSITY DISTRIBUTION

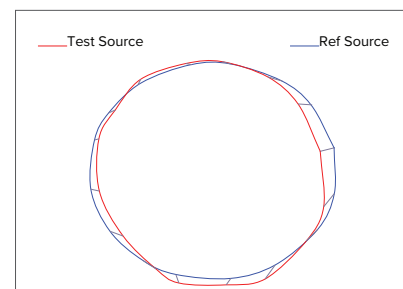


TM-30

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

	DA / DB
Fidelity Index (Rf)	83
Gamut Index (Rg)	96

COLOR VECTOR GRAPHIC



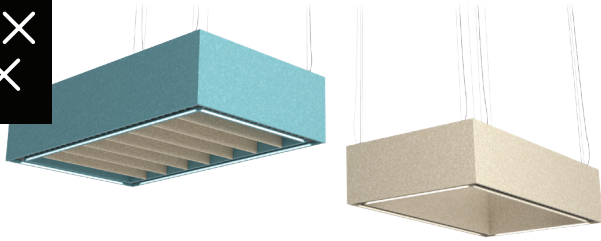
DA / DB / DC / I

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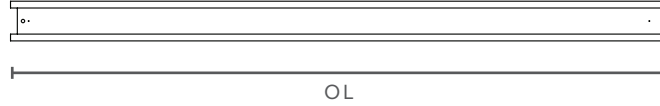
LINEA MESH (LX-LM)

TYPE:

PHOTOMETRICS: SPECIFIC LENGTHS

OUTPUT: SPECIFIC MODULES AND LENGTHS

Please see below table and diagram indicating Overall Lengths (OL) and Output data for all Linea Modules.

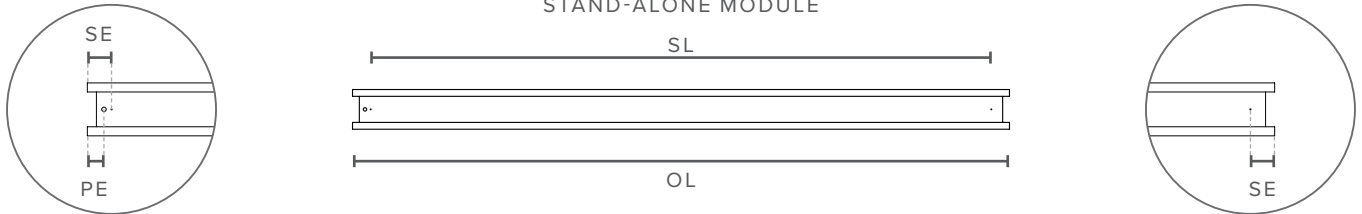


	OL		DA		DB		DC		I		DIA		DIB		DIC	
	in	mm	lm	W	lm	W	lm	W	lm	W	lm	W	lm	W	lm	W
LN-2	24.4	620	2120	16	2062	16	1624	21.5	1930	16	4050	32	3992	32	3554	37.5
LN-3	35.4	900	3180	24	3093	24	2436	32	2895	24	6075	48	5988	48	5331	56
LN-4	46.5	1180	4240	32	4124	32	3248	42.5	3860	32	8100	64	7984	64	7108	74.5
LN-5	57.5	1460	5300	40	5155	40	4060	53	4825	40	10125	80	9980	80	8885	93
LN-6	68.5	1741	6360	48	6186	48	4872	63.5	5790	48	12150	96	11976	96	10662	111.5
LN-7	79.6	2021	7420	56	7217	56	5684	74	6755	56	14175	112	13972	112	12439	130
LN-8	90.6	2301	8480	64	8248	64	6496	84.5	7720	64	16200	128	15968	128	14216	148.5

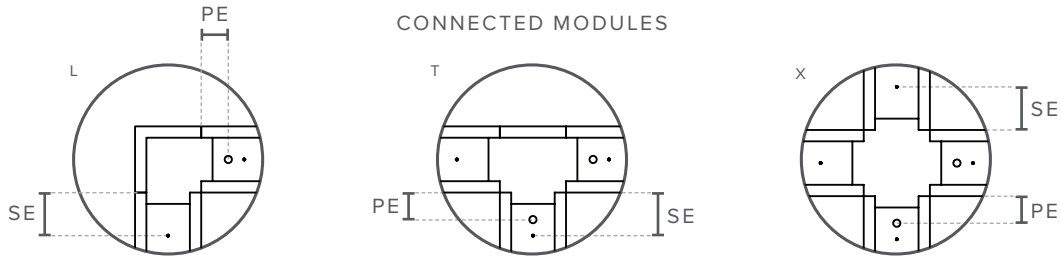
SUSPENSION POINTS AND POWER LOCATIONS

The location of the suspension points is always at the same distance from the nearest end of the module for lit and unlit versions. The location of the power point is always at the same distance from the nearest end of the modules. Please see table and diagram below for more detailed information.

STAND-ALONE MODULE



CONNECTED MODULES



	in				mm			
	OL	SL	SE	PE	OL	SL	SE	PE
LN-2	24.4	21.9	1.3	0.9	620	556	32	22
LN-3	35.4	32.9			900	836		
LN-4	46.5	43.9			1180	1116		
LN-5	57.5	55.0			1460	1396		
LN-6	68.5	66.0			1741	1677		
LN-7	79.6	77.0			2021	1957		
LN-8	90.6	88.1			2301	2237		

LEGEND:

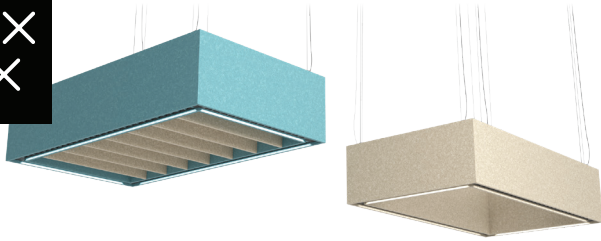
- OL: Overall Length of the module
- SL: Distance between Suspension Points
- SE: Distance between the suspension point and the closest end of the module
- PE: Distance between the power point and the closest end of the module

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DRIVER INFORMATION

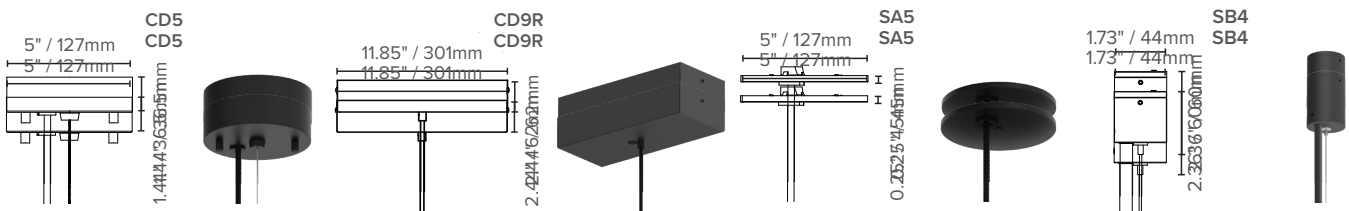
		MAX WATTAGE (W)				MAX VOLTAGE (V)	COMPLIANCE
		DA / DB	DC	DIA / DIB	DIC		
UNIVERSAL (UNV) 0-10V - 1% dimming 110 - 277 VAC <i>(North America only)</i>	LN-2	16 W	21 W	32 W	37 W	40V	
	LN-3	24 W	31.5 W	48 W	55.5 W		
	LN-4	32 W	42 W	64 W	74 W		
	LN-5	40 W	52.5 W	80 W	92.5 W		
	LN-6	48 W	63 W	96 W	111 W		
	LN-7	56 W	73.5 W	112 W	129.5 W		
	LN-8	64 W	84 W	128 W	148 W		
GLOBAL (G) 1% DSI/DALI dimming 220 - 240 VAC	LN-2	16 W	21 W	32 W	37 W	40V	
	LN-3	24 W	31.5 W	48 W	55.5 W		
	LN-4	32 W	42 W	64 W	74 W		
	LN-5	40 W	52.5 W	80 W	92.5 W		
	LN-6	48 W	63 W	96 W	111 W		
	LN-7	56 W	73.5 W	112 W	129.5 W		
	LN-8	64 W	84 W	128 W	148 W		

CANOPY INFORMATION

Please note power cord and canopy will always be supplied in black unless specified otherwise. Lit Linea modules are supplied with a canopy that includes both a Power Cable and a Suspension Cable. The Suspension Cable is centered with the canopy for an easier installation. Please note the Canopy and Power cable can be shipped in advance if needed. You will find more detailed information about the suspension point locations on p.4

Please note no canopy will be supplied with any acoustic baffle. .

REGION/DIMMING	DRIVER TYPE	CANOPY	OUTPUT & LENGTHS APPLICABLE			
			DA / DB	DC	DIA / DIB	DIC
UNV	CD	CD5	LN-2 to LN-6	LN-2 to LN-4	LN-2 to LN-3	LN-2
		CD9R	LN-7 to LN-8	LN-5 to LN-8	LN-4 to LN-8	LN-3 to LN-8
	RD	SA5	All	All	All	All
G	RD	SB4	All	All	All	All

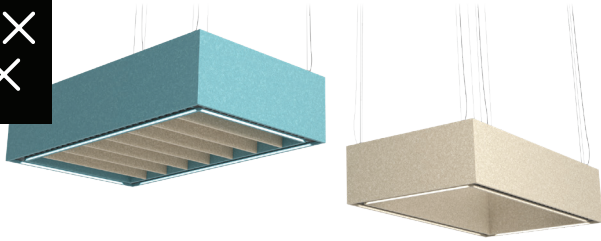


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TYPE:

MATERIAL SPECIFICATIONS

	WOOL	PET
COMPOSITION	100% Virgin Wool (Camira Blazer Wool)	100% polyester fiber (98% post-consumer recycled + 2% masterbatch)
COLOR FASTNESS TO LIGHT:	4-6 (ISO 105 - B02)	ISO 105-B02-1994 Rating: 6-7
FIRE TEST:	AS1530 Part 3, AS3837, ISO5660, BS EN 1021-1&2 Cigarette and Match, BS 7176 Low Hazard, UNI 9175 Classe 1	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:	Renewable, Compostable, certified to EU Ecolabel & Indoor Advantage™ Gold	PET: GreenTag Certification / GreenRate: Level A
SOUND ABSORPTION:	BS EN ISO 10534-2: 2001 / Sound Absorption Coefficient	AS ISO 354 – 2006 / Noise reduction coefficient (NRC) = 0.85
THERMAL TRANSITION:	ASTM C518-2010. R- Value = 0.30 m ² K/W	
VOC EMISSIONS:	ASTM D5116 Rate: < 0.01 mg/m ² /hr (7 days)	

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

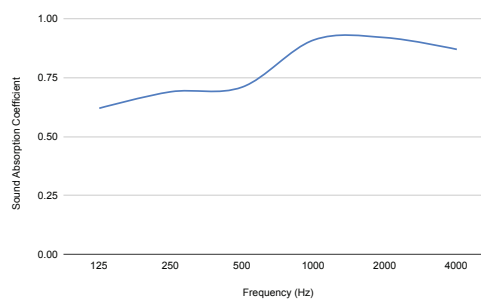
ACOUSTIC PROPERTIES

Our Tessell, Linea and Linea Mesh ranges are made out of a hollow structure that enhances acoustic performance by absorbing sound waves and trapping them within its cavity. Below you will find information about the acoustic properties of this material technology. This data will only reflect the capacity of sound absorption of the material technology, and it's not related to a specific Shape or Size.

For detailed information about the acoustic properties of the product, please see p.7.

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)	Sound Absorption Coefficient
125	0.69
250	0.92
500	0.96
1000	0.76
2000	0.79
4000	0.74



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.

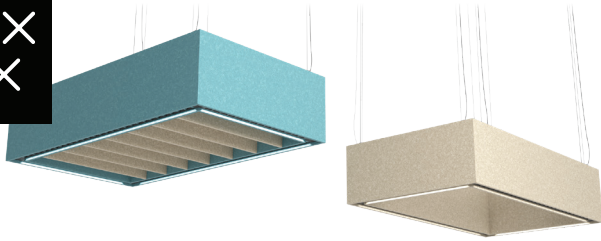
NRC	0.85
SAA	0.83
aw	0.85

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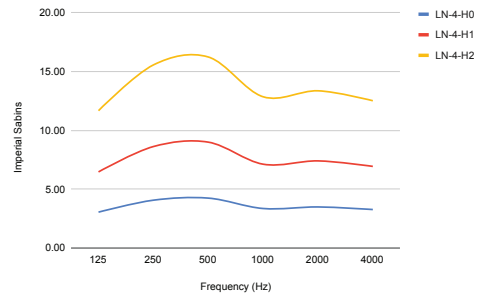
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PRODUCT ACOUSTIC PROPERTIES

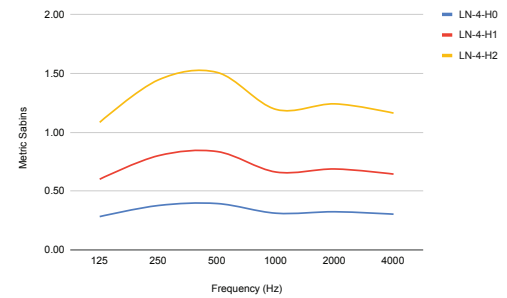
HEIGHT COMPARISON

Compare this product's LN-4 (1160mm / 46") height options (H0: 174mm / 6.8", H1: 290mm / 11.4", H2: 580mm / 22.8") using the data and graphs below. Data reflects single module Sabins; multiply by module count for total assembly Sabins.

SABINS (FT ²)	Frequency (Hz)	Sound Absorption Coefficient	LN-4		
			H0	H1	H2
	125	0.69	3.05	6.46	11.66
	250	0.92	4.06	8.62	15.55
	500	0.96	4.24	8.99	16.22
	1000	0.76	3.35	7.12	12.84
	2000	0.79	3.49	7.40	13.35
	4000	0.74	3.27	6.93	12.51



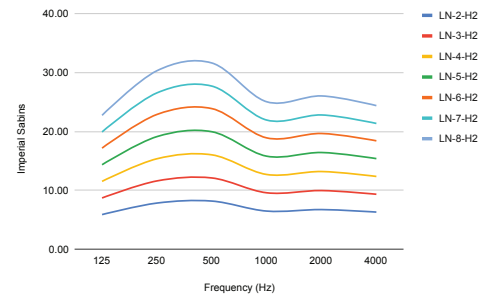
SABINS (M ²)	Frequency (Hz)	Sound Absorption Coefficient	LN-4		
			H0	H1	H2
	125	0.69	0.28	0.60	1.08
	250	0.92	0.38	0.80	1.44
	500	0.96	0.39	0.84	1.51
	1000	0.76	0.31	0.66	1.19
	2000	0.79	0.32	0.69	1.24
	4000	0.74	0.30	0.64	1.16



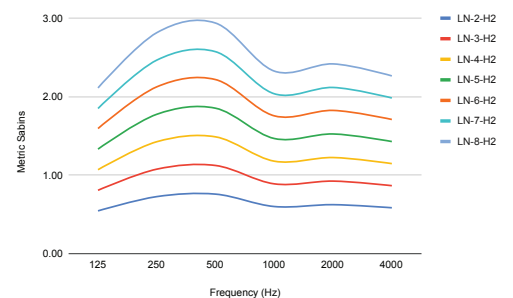
LENGTH COMPARISON

Compare length options, focusing on H2 (580mm / 22.8"). Data shows the difference across its seven length options per module. For full assembly Sabins, multiply single module data by the number of modules.

SABINS (FT ²)	Frequency (Hz)	Sound Absorption Coefficient	LN-2	LN-3	LN-4	LN-5	LN-6	LN-7	LN-8
			H2						
	125	0.69	5.87	8.69	11.66	14.33	17.16	19.90	22.73
	250	0.92	7.82	11.59	15.55	19.11	22.88	26.54	30.30
	500	0.96	8.16	12.09	16.22	19.94	23.87	27.69	31.62
	1000	0.76	6.46	9.57	12.84	15.79	18.90	21.92	25.03
	2000	0.79	6.72	9.95	13.35	16.41	19.64	22.79	26.02
	4000	0.74	6.29	9.32	12.51	15.37	18.40	21.35	24.37



SABINS (M ²)	Frequency (Hz)	Sound Absorption Coefficient	LN-2	LN-3	LN-4	LN-5	LN-6	LN-7	LN-8
			H2						
	125	0.69	0.55	0.81	1.08	1.33	1.59	1.85	2.11
	250	0.92	0.73	1.08	1.44	1.78	2.13	2.47	2.82
	500	0.96	0.76	1.12	1.51	1.85	2.22	2.57	2.94
	1000	0.76	0.60	0.89	1.19	1.47	1.76	2.04	2.33
	2000	0.79	0.62	0.92	1.24	1.52	1.82	2.12	2.42
	4000	0.74	0.58	0.87	1.16	1.43	1.71	1.98	2.26

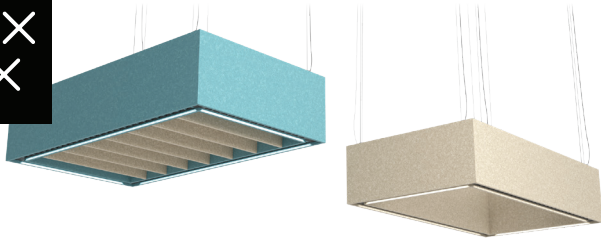


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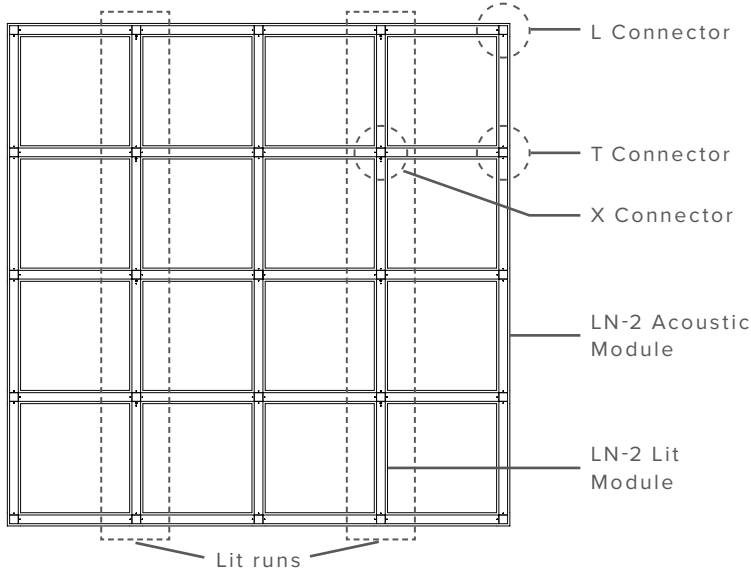


LINEA MESH (LX-LM)

TYPE:

CONFIGURATION EXAMPLES

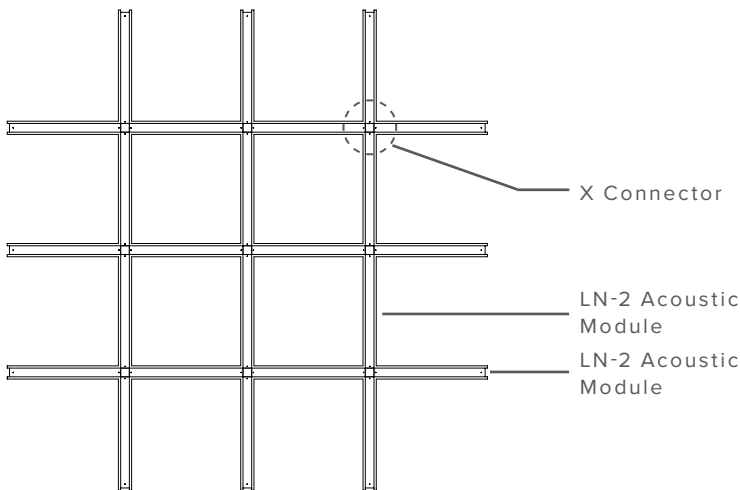
CLOSED GRID (5X5) WITH 2X LIT RUNS



LIST OF PARTS AND CODES

Part	Part Code	Qty.
L Connector	LX-LM-L-H1-B-SA	4
T Connector	LX-LM-T-H1-B-SA	12
X Connector	LX-LM-X-H1-B-SA	9
LN-2 Lit Module	LM-2-H1-B-SA-35-DA-G-RD	32
LN-2 Acoustic Module	LM-2-H1-B-SA-A	8

OPEN GRID (3X3) WITH 2X LIT RUNS



LIST OF PARTS AND CODES

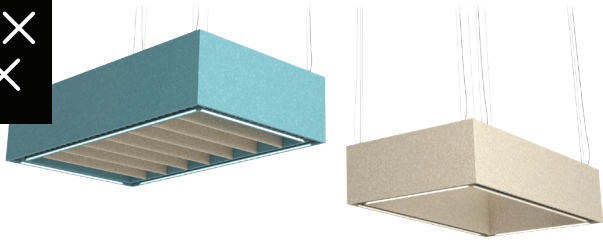
Part	Part Code	Qty.
X Connector	LX-LM-X-H1-B-SA	9
LN-2 Acoustic Module	LM-2-H1-B-SA-A	24

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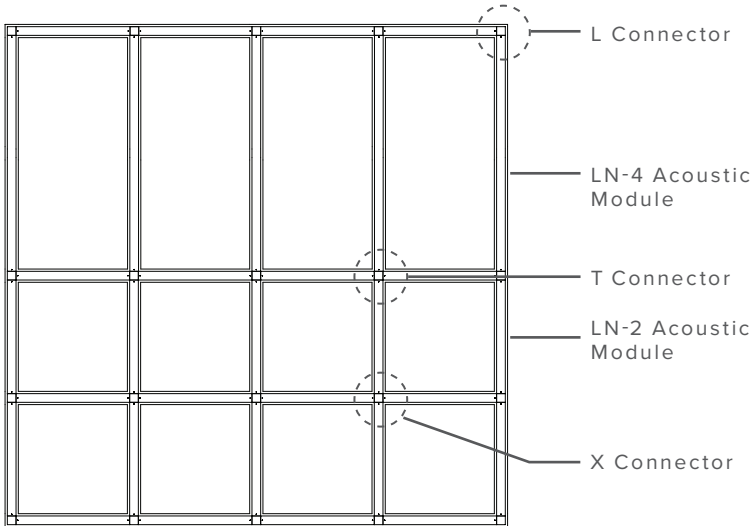


LINEA MESH (LX-LM)

TYPE:

LAYOUT EXAMPLES

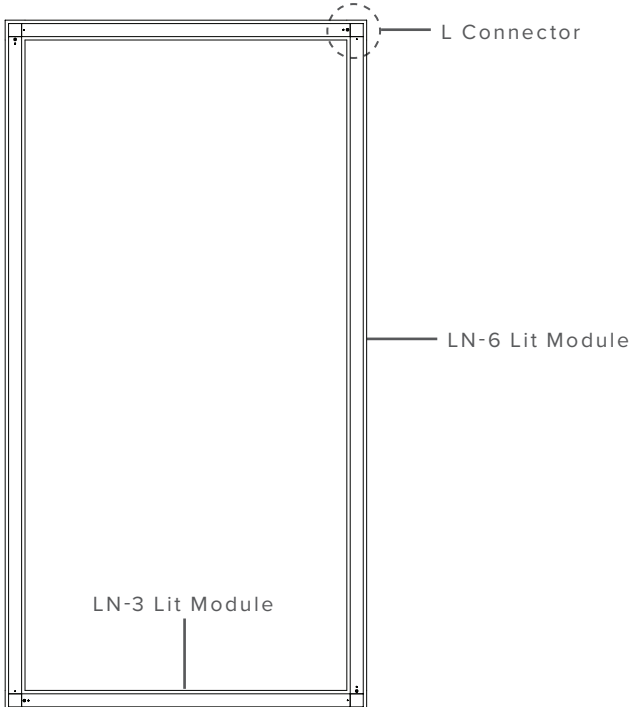
IRREGULAR ACOUSTIC GRID



LIST OF PARTS AND CODES

Part	Part Code	Qty.
L Connector	LX-LM-L-H1-B-SA	4
T Connector	LX-LM-T-H1-B-SA	10
X Connector	LX-LM-H1-B-SA	6
LN-2 Acoustic Module	LN-2-H1-B-SA-A	16
LN-4 Acoustic Module	LN-4-H1-B-SA-A	5

LARGE RECTANGULAR FIXTURE



LIST OF PARTS AND CODES

Part	Part Code	Qty.
L Connector	LX-LM-L-H1-B-SA	4
LN-3 Lit Module	LN-3-H1-B-SA-35-DA-G-RD	2
LN-6 Lit Module	LN-6-H1-B-SA-35-DA-G-RD	2

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