Mora®

INTEGRATED ACOUSTIC CEILING AND LIGHTING SYSTEM

MORA BUILD

Mora Build literally offers the building blocks to your next acoustic ceiling. The two standard designs of Arch and Wave are available in nominal square modules from 4 to 8 feet, lit or unlit. Several modules can be combined over large surface areas, resulting in rhythmic and playful ceilings.

Go to Mora Build Arch

Go to Mora Build Wave

MORA CREATE

Mora Create gives you the freedom to design custom-sized arrays to fit the exact dimensions of your room using three designs: Alpine, Radiate, or Ripple. Each offers a singular visual aesthetic and allows for placement of the continuous luminaires to fulfill the lighting requirements of the space.

Go to Mora Create

MORA INSPIRE

Let your imagination run wild with the support of our design and engineering team. We will turn your inspiration into a showpiece ceiling.

**Contact us at
acoustic.solutions@focalpointlights.com
to discuss your project.**

Mora® Build Arch

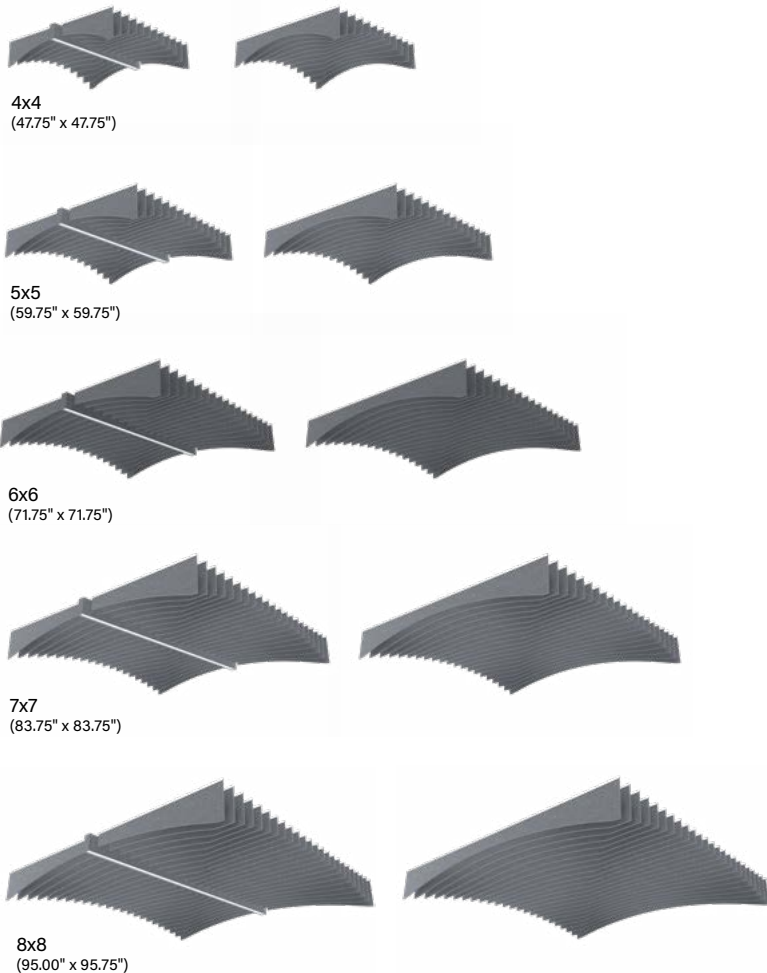**INTEGRATED ACOUSTIC CEILING AND LIGHTING SYSTEM**
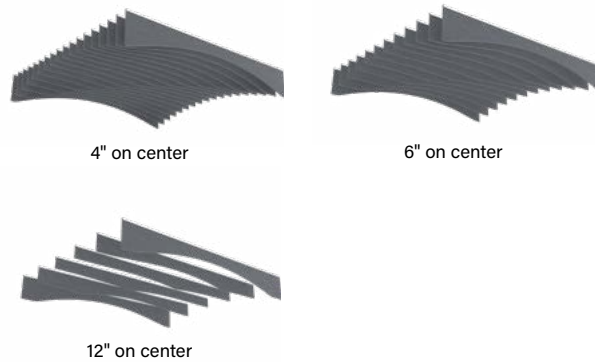

FOCAL POINT®

SYSTEM FEATURES

Mora combines TruBlade® slim, 9mm thick, sound absorbing acoustic baffles with optional Seem® 1 Acoustic luminaires.

Nominal square modules from 4 to 8 feet.

TruBlade's top aluminum extrusion optimizes stability and straightness.

Blade spacing of 4" , 6" or 12" on center.

Combine A & B style modules to create patterns.

Seem 1 Acoustic luminaires feature AirCore® patent pending, eco-friendly technology that maximizes sound absorption and reduces ecological impact.

Frosted acrylic lens provides uninterrupted illumination, without pixels or shadows.

Choice of lumen output levels to meet a wide variety of application needs.

Wide range of PET color options including The Naturals, a series of finishes that exude biophilic beauty, provides design flexibility and personalization for any project.

MODULE DETAILS

Module Sizes (4" on center blade spacing shown)

4x4
(47.75" x 47.75")

5x5
(59.75" x 59.75")

6x6
(71.75" x 71.75")

7x7
(83.75" x 83.75")

8x8
(95.00" x 95.75")

Blade Spacing (6x6 modules shown)

4" on center

6" on center

12" on center

On-center Luminaire Spacing & Module Compatibility

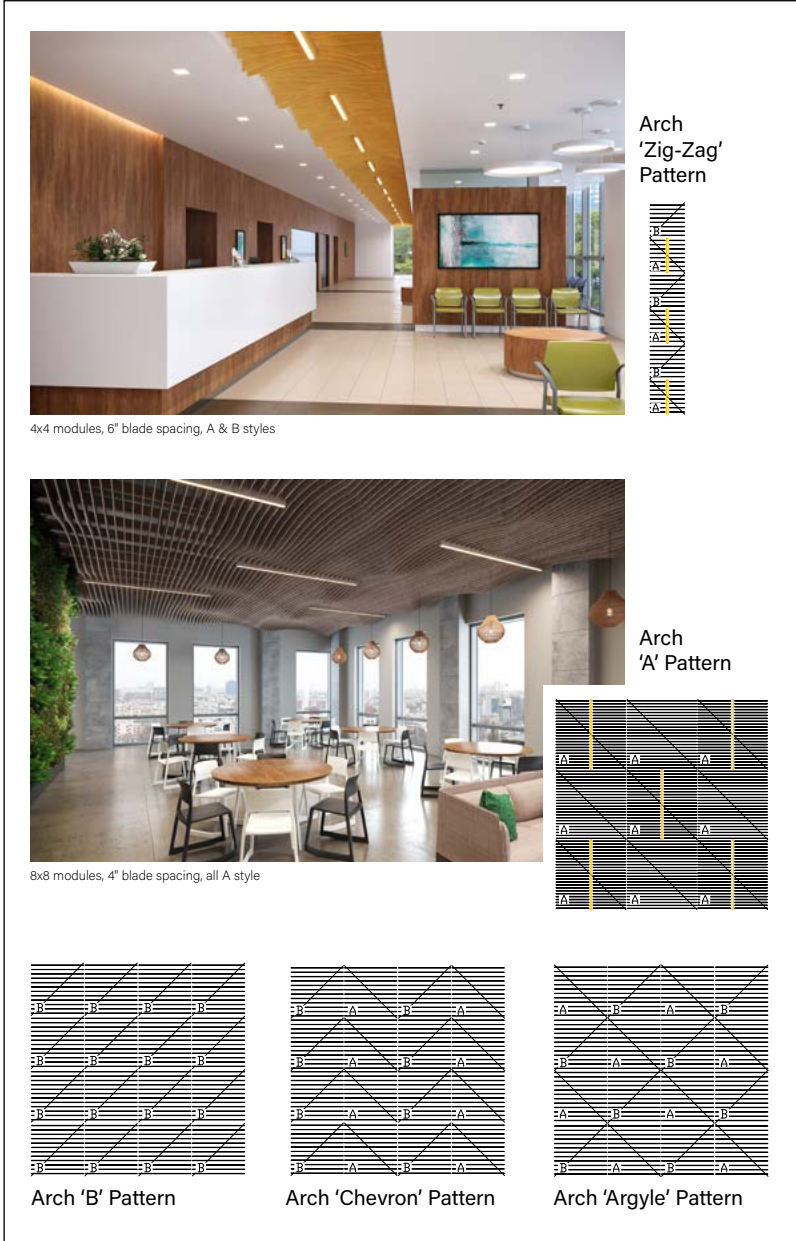Use the table below to determine suitable module sizes based on the desired on-center spacing of the luminaires.

LIT AND UNLIT MODULE CONFIGURATIONS	MODULE SIZE				
	4x4	5x5	6x6	7x7	8x8
	On-center luminaire spacing				
	4ft	5ft	6ft	7ft	8ft
	8ft	10ft	12ft	14ft	16ft
	12ft	15ft	18ft		
	16ft				

STYLES

Arch A (AHA)   Arch B (AHB)

The sequence of the baffles is reversed for A and B styles, yielding a totally different visual effect. Use each individually or mix and match A and B style modules to create unique ceilings.

PATTERN INSPIRATIONS

Arch 'Zig-Zag' Pattern

4x4 modules, 6" blade spacing, A & B styles

Arch 'A' Pattern

8x8 modules, 4" blade spacing, all A style

Arch 'B' Pattern

Arch 'Chevron' Pattern

Arch 'Argyle' Pattern

SYSTEM MOUNTING

DTSK   DTSM   CSK   CSM   24CS

See page 8 for strut recommendations.

Focal Point LLC reserves the right to change specifications for product improvement without notification.

LIT SYSTEM ORDERING

System Series		**AMR**
Mora Build	AMR	
Style		
Arch A	AHA	
Arch B	AHB	
Acoustic Panel Color		
See page 10 for color offering		
Size (nominal)		
4' x 4'	44	
5' x 5'	55	
6' x 6'	66	
7' x 7'	77	
8' x 8'	88	
Blade Spacing		
4" on center	4OC	
6" on center	6OC	
12" on center	12OC	
(6 x 6, 7 x 7 and 8 x 8 sizes only)		
System Mounting		
Direct to Strut Luminaires and StrutKlip Baffles	DTSK	
Direct to Strut Luminaires and Direct to Strut Magnet baffles	DTSM	
Cable Suspension Luminaires and StrutKlip baffles	CSK	
Cable Suspension Luminaires and Direct to Strut Magnet baffles	CSM	
Cable Suspension Luminaires and Baffles (24" length)	24CS	
Luminaire Series		**ASM1S**
Seem 1 Acoustic	ASM1S	
Shielding		
Batwing Lens	BW	
Regress Lens	RL	
Height		**6**
6" Nominal	6	
Lumen Output		
100 Lumens per foot	100LF	
(Consult factory for Lutron, DALI)		
200 Lumens per foot	200LF	
300 Lumens per foot	300LF	
400 Lumens per foot	400LF	
500 Lumens per foot	500LF	
Color Temperature		
3000K, 80CRI **or** 90 CRI	30K **or** 930K	
3500K, 80CRI **or** 90 CRI	35K **or** 935K	
4000K, 80CRI **or** 90 CRI	40K **or** 940K	
Circuits & Zones		**1C**
1 Circuit	1C	
Voltage		**UNV**
120/277 UNV Volt	UNV	
Control System & Dimming Level		
0-10V - 10% Dimming	LD1	
0-10V - 1% Dimming	L11	
Lutron Hi-Lume EcoSystem (LDE1) - 1% Dimming	LH1	
DALI 1% Dimming	D11	
Factory Options		
Black Cord	BKCD	
Emergency Circuit	_EC	
Emergency Battery Pack	_EM	

UNLIT SYSTEM ORDERING

System Series		**AUMR**
Mora Build unlit	AUMR	
Style		
Arch A	AHA	
Arch B	AHB	
Acoustic Panel Color		
See page 10 for color offering		
Size (nominal)		
4' x 4'	44	
5' x 5'	55	
6' x 6'	66	
7' x 7'	77	
8' x 8'	88	
Blade Spacing		
4" on center	4OC	
6" on center	6OC	
12" on center	12OC	
(6 x 6, 7 x 7 and 8 x 8 sizes only)		
System Mounting		
Direct to Strut: StrutKlip	DTSK	
Direct to Strut: Magnet	DTSM	
Cable Suspension (24" length)	24CS	

Mora® Build Wave
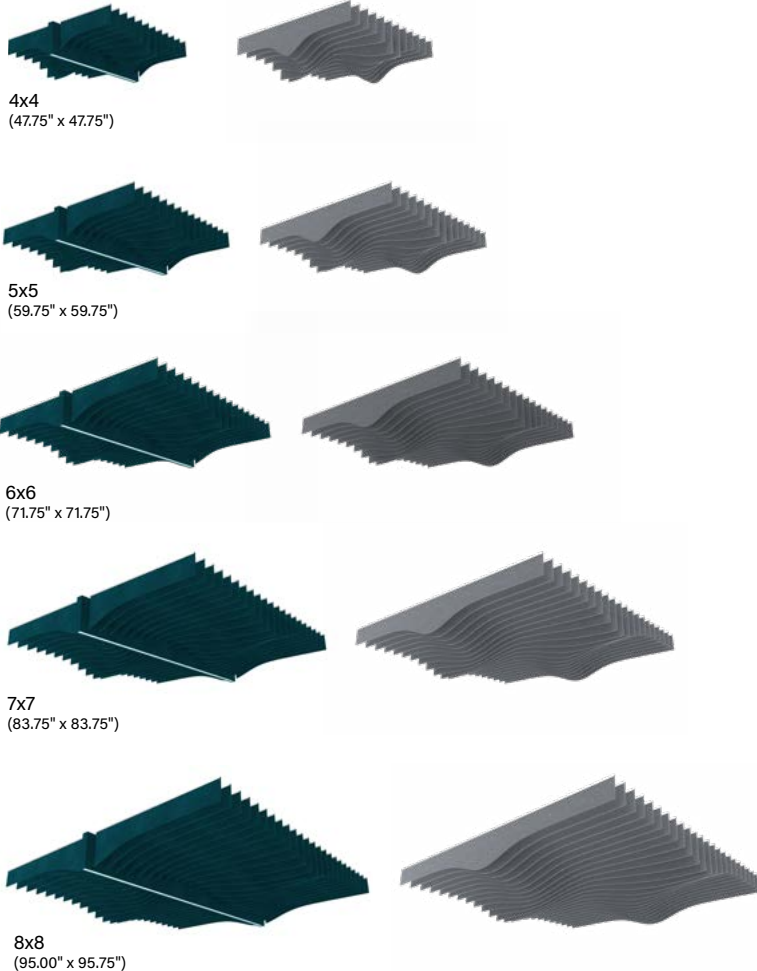
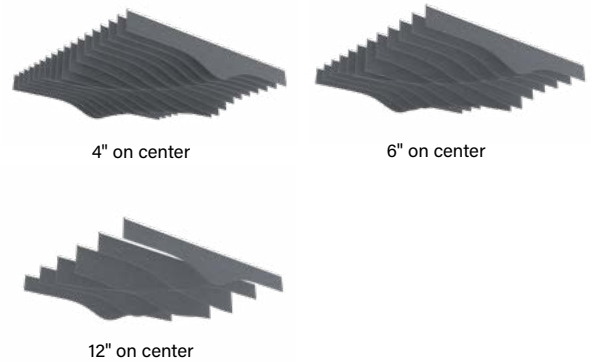## INTEGRATED ACOUSTIC CEILING AND LIGHTING SYSTEM

SYSTEM FEATURES

Mora combines TruBlade® slim, 9mm thick, sound absorbing acoustic baffles with optional Seem® 1 Acoustic luminaires.

Nominal square modules from 4 to 8 feet.

TruBlade's top aluminum extrusion optimizes stability and straightness.

Blade spacing of 4" , 6" or 12" on center.

Combine A & B style modules to create patterns.

Seem 1 Acoustic luminaires feature AirCore® patent pending, eco-friendly technology that maximizes sound absorption and reduces ecological impact.

Frosted acrylic lens provides uninterrupted illumination, without pixels or shadows.

Choice of lumen output levels to meet a wide variety of application needs.

Wide range of PET color options including The Naturals, a series of finishes that exude biophilic beauty, provides design flexibility and personalization for any project.

MODULE DETAILS

Module Sizes (4" on center blade spacing shown)

4x4
(47.75" x 47.75")

5x5
(59.75" x 59.75")

6x6
(71.75" x 71.75")

7x7
(83.75" x 83.75")

8x8
(95.00" x 95.75")

Blade Spacing (6x6 modules shown)

4" on center

6" on center

12" on center

On-center Luminaire Spacing & Module Compatibility

Use the table below to determine suitable module sizes based on the desired on-center spacing of the luminaires.

LIT AND UNLIT MODULE CONFIGURATIONS	MODULE SIZE				
	4x4	5x5	6x6	7x7	8x8
	On-center luminaire spacing				
	4ft	5ft	6ft	7ft	8ft
	8ft	10ft	12ft	14ft	16ft
	12ft	15ft	18ft		
	16ft				

STYLES

Wave A (WVA)

Wave B (WVB)

The sequence of the baffles is reversed for A and B styles, yielding a totally different visual effect. Use each individually or mix and match A and B style modules to create unique ceilings.

PATTERN INSPIRATIONS

Wave 'Circle' Pattern

5x5 modules, 4" blade spacing, A & B styles, with 2" module spacing

Wave 'B' Pattern

6x6 modules, 6" blade spacing, All B style

Wave 'A' Pattern

Wave 'Organic' Pattern

Wave 'S' Pattern

SYSTEM MOUNTING

DTSK   DTSM   CSK   CSM   24CS

See page 8 for strut recommendations.

Focal Point LLC reserves the right to change specifications for product improvement without notification.

LIT SYSTEM ORDERING

System Series		**AMR**
Mora Build	AMR	
Style		_____
Wave A	WVA	
Wave B	WVB	
Acoustic Panel Color		_____
See page 10 for color offering		
Size (nominal)		_____
4' x 4'	44	
5' x 5'	55	
6' x 6'	66	
7' x 7'	77	
8' x 8'	88	
Blade Spacing		_____
4" on center	4OC	
6" on center	6OC	
12" on center	12OC	
(6 x 6, 7 x 7 and 8 x 8 sizes only)		
System Mounting		_____
Direct to Strut Luminaires and StrutKlip Baffles	DTSK	
Direct to Strut Luminaires and Direct to Strut Magnet baffles	DTSM	
Cable Suspension Luminaires and StrutKlip baffles	CSK	
Cable Suspension Luminaires and Direct to Strut Magnet baffles	CSM	
Cable Suspension Luminaires and Baffles (24" length)	24CS	
Luminaire Series		**ASM1S**
Seem 1 Acoustic	ASM1S	
Shielding		_____
Batwing Lens	BW	
Regress Lens	RL	
Height		**12**
12" Nominal	12	
Lumen Output		_____
100 Lumens per foot	100LF	
(Consult factory for Lutron, DALI)		
200 Lumens per foot	200LF	
300 Lumens per foot	300LF	
400 Lumens per foot	400LF	
500 Lumens per foot	500LF	
Color Temperature		_____
3000K, 80CRI **or** 90 CRI	30K **or** 930K	
3500K, 80CRI **or** 90 CRI	35K **or** 935K	
4000K, 80CRI **or** 90 CRI	40K **or** 940K	
Circuits & Zones		**1C**
1 Circuit	1C	
Voltage		**UNV**
120/277 UNV Volt	UNV	
Control System & Dimming Level		_____
0-10V - 10% Dimming	LD1	
0-10V - 1% Dimming	L11	
Lutron Hi-Lume EcoSystem (LDE1) - 1% Dimming	LH1	
DALI 1% Dimming	D11	
Factory Options		
Black Cord	BKCD	_____
Emergency Circuit	_EC	_____
Emergency Battery Pack	_EM	_____

UNLIT SYSTEM ORDERING

System Series		**AUMR**
Mora Build unlit	AUMR	
Style		_____
Wave A	WVA	
Wave B	WVB	
Acoustic Panel Color		_____
See page 10 for color offering		
Size (nominal)		_____
4' x 4'	44	
5' x 5'	55	
6' x 6'	66	
7' x 7'	77	
8' x 8'	88	
Blade Spacing		_____
4" on center	4OC	
6" on center	6OC	
12" on center	12OC	
(6 x 6, 7 x 7 and 8 x 8 sizes only)		
System Mounting		_____
Direct to Strut: StrutKlip	DTSK	
Direct to Strut: Magnet	DTSM	
Cable Suspension (24" length)	24CS	

Mora® Create

INTEGRATED ACOUSTIC CEILING AND LIGHTING SYSTEM

SYSTEM FEATURES

Mora combines TruBlade® slim, 9mm thick, sound absorbing acoustic baffles with optional continuous Seem® 1 Acoustic luminaires.

Available in three designs: Alpine, Radiate, and Ripple.

Custom sized arrays to fit the exact room dimensions.

TruBlade's top aluminum extrusion optimizes stability and straightness.

Blade spacing available in 4" , 6" or 12" on center.

Luminaire spacing in 1ft increments.

Seem 1 Acoustic luminaires feature AirCore® patent pending, eco-friendly technology that maximizes sound absorption and reduces ecological impact.

Frosted acrylic lens provides uninterrupted illumination, without pixels or shadows.

Choice of lumen output levels to meet a wide variety of application needs.

Wide range of PET color options including The Naturals, a series of finishes that exude biophilic beauty, provides design flexibility and personalization for any project.

ALPINE

Alpine elevates ceilings with its rugged, angular pattern. Defined geometric figures emerge from the surface and shift at various viewing angles.
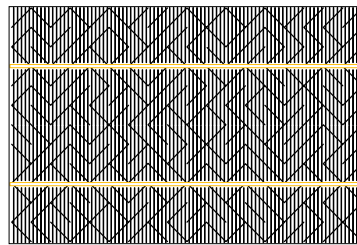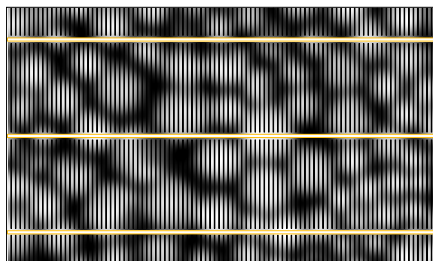

RADIATE

Radiate fills the ceiling with soft undulations that extend from a central point. The symmetrical, rhythmic pattern conveys a strong sense of direction and perspective as the motif spreads away from its origin.
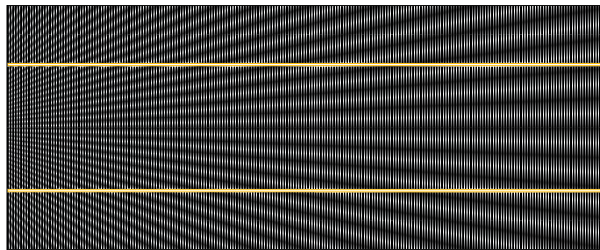
RIPPLE

Ripple's gently flowing pattern conveys an organic feel with random waves that surge and swell across the ceiling.
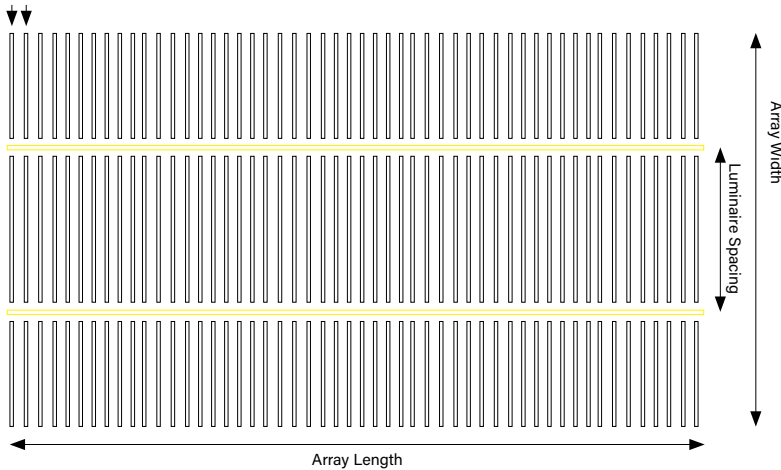
Complete form below and email to acoustic.solutions@focalpointlights.com to initiate your Mora Create project. *indicates required fields.

*What are the dimensions of your array?

Array Length (ft) _____   Array Width (ft) _____

Blade Spacing

Array Width

Luminaire Spacing

Array Length

*Which design are you selecting for your array?

☐ Alpine   ☐ Radiate   ☐ Ripple

What is your desired blade spacing (tighter spacing is recommended)?

☐ 4" on center   ☐ 6" on center   ☐ 12" on center

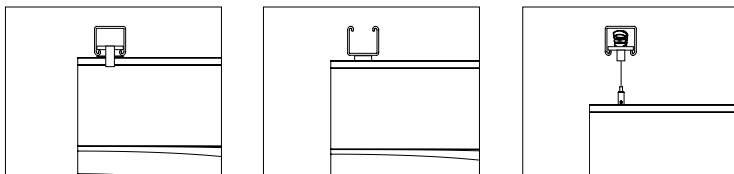## *Will your array include luminaires?

☐ Yes   ☐ No

if yes,

What is your desired luminaire on-center spacing? (ft) _____

Complete Luminaire Ordering section on page 3
(not required for project initiation, but necessary for final quotation)

What color of PET is your array (see color offering on page 10)? _____

What is your desired system mounting (see page 8 for details)?

☐ StrutKlip   ☐ Magnet   ☐ Cable Suspension

*What is the name and location of your project?

Project name: _____

City: _____   State: _____

SUBMIT FORM VIA EMAIL

SYSTEM ORDERING

System Series		_____
Lit Mora Create	AMRC	
Unlit Mora Create	AUMRC	
Design		_____
Alpine	ALP	
Radiate	RDT	
Ripple	RPL	
Acoustic Panel Color		_____
See page 10 for color offering		
Array Length		_____
Specify in feet	_FTX	
Array Width		_____
Specify in feet	_FTY	
Blade Spacing		_____
(4" on center spacing recommended)		
4" on center	4OC	
6" on center	6OC	
12" on center	12OC	
Luminaire Orientation		_____
(Leave blank for unlit systems. Contact factory for alternate orientations.)		
Perpendicular to Blades	PPD	
Luminaire Spacing		_____
(Leave blank for unlit systems)		
Specify on-center luminaire spacing in 1ft increments	__FTOC	
Blade Mounting		_____
Direct to Strut: StrutKlip	DTSK	
Direct to Strut: Magnet	DTSM	
Cable Suspension (24" length)	24CS	

LUMINAIRE ORDERING

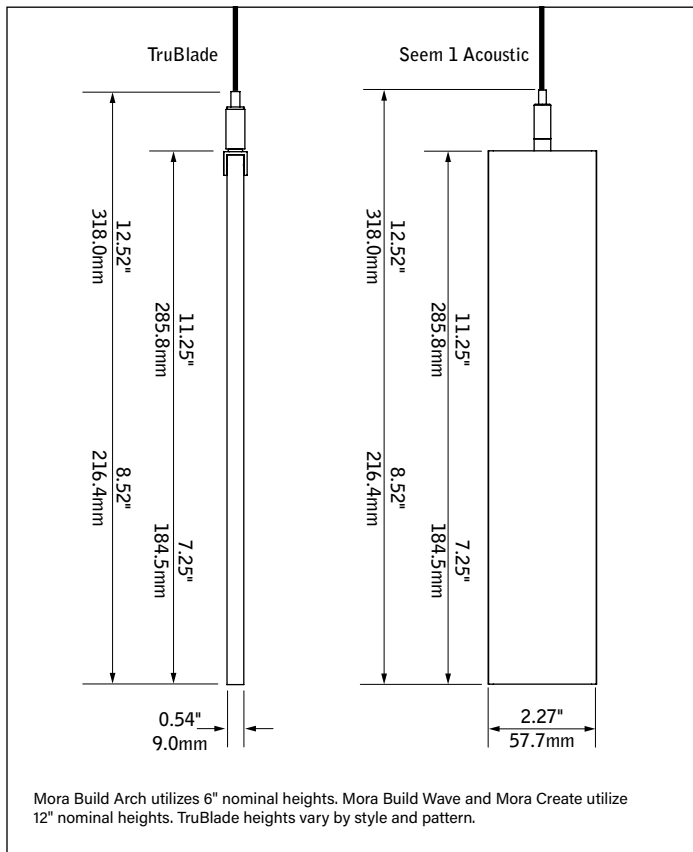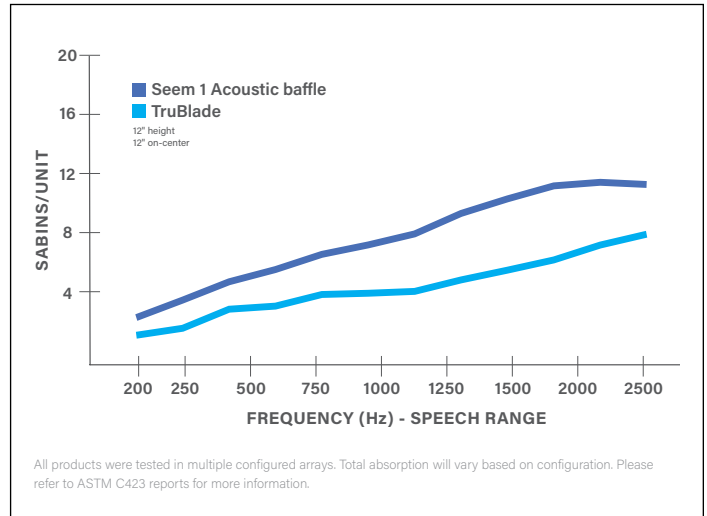|		
Luminaire Series		**ASM1S**
Seem 1 Acoustic	ASM1S	
Shielding		_____
Batwing Lens	BW	
Regress Lens	RL	
Height		**12**
12" nominal	12	
Lumen Output		_____
100 Lumens per foot	100LF	
(Consult factory for Lutron, DALI)		
200 Lumens per foot	200LF	
300 Lumens per foot	300LF	
400 Lumens per foot	400LF	
500 Lumens per foot	500LF	
Circuits & Zones		_____
1 Circuit, non-emergency	1C	
Consult Ordering Guide on page 11 for multiple circuiting and zoning options	_C_Z_DL	
Voltage		**UNV**
120/277 UNV Volt	UNV	
Control System & Dimming Level		_____
0-10V - 10% Dimming	LD1	
0-10V - 1% Dimming	L11	
Lutron Hi-Lume EcoSystem (LDE1) - 1% Dimming	LH1	
DALI 1% Dimming	D11	
Luminaire Mounting		_____
(Mounting hang kits ship with order.)		
Direct/Flush to Strut	DTS	
Cable Suspension (24" length)	J24	
Factory Options		
(See Ordering Guide on page 5 for ordering details for DC, EC, EM & ECD.)		
Mora Create system component	AMR	**AMR**
Black Cord	BKCD	_____
Daylight Circuit	_DC	_____
Emergency Circuit	_EC	_____
Emergency Battery Pack†	_EM	_____
Emergency Control Device†	_ECD	_____
†(4' minimum length.)		
Acoustic Panel Color		_____
See page 10 for color offering		
Luminaire Length		ft in
(Luminaires are 3/4" longer than specified and cannot be cut to length in the field. Individual lengths cannot be joined in the field.)		
Specify length in 1" increments from 3' to 208'	_ft _in	

COMPONENT DIMENSIONAL DETAILS

TruBlade

Seem 1 Acoustic

12.52" / 318.0mm
11.25" / 285.8mm
8.52" / 216.4mm
7.25" / 184.5mm

12.52" / 318.0mm
11.25" / 285.8mm
8.52" / 216.4mm
7.25" / 184.5mm

0.54" / 9.0mm

2.27" / 57.7mm

Mora Build Arch utilizes 6" nominal heights. Mora Build Wave and Mora Create utilize 12" nominal heights. TruBlade heights vary by style and pattern.

INSTALLATION METHODS

1) Install luminaires
   a) Direct to Strut
   b) Cable Suspension

2) Match the fixture key on the factory drawing with the corresponding fixture key on the TruBlade baffles to determine the installation sequence.

3) Install TruBlade baffles
   a) StrutKlip
   b) Magnet (preinstalled)
   c) Cable Suspension

Standard strut 1-5/8" x 1-5/8″ inch recommended.

ACOUSTIC PERFORMANCE

- Seem 1 Acoustic baffle
- TruBlade

12" height
12" on-center

SABINS/UNIT

FREQUENCY (Hz) - SPEECH RANGE

All products were tested in multiple configured arrays. Total absorption will vary based on configuration. Please refer to ASTM C423 reports for more information.

LUMINAIRE DISTRIBUTIONS & PERFORMANCE

Batwing Lens

Regress Lens

Lumen Output	Delivered Lumens	Tested System Watts	Lumens per watt	
			BW	RL
125LF	500	6	81	75
250LF	1000	10	98	98
375LF	1500	15	103	104
500LF	2000	19	106	106
625LF	2500	24	103	103

Based on 3500K, 4' length. Lumen multipliers: Preferred Light = 0.65, 90 CRI = 0.87. Delivered lumens may vary +/- 5%. Actual wattage may vary +/- 5%. Photometric performance is measured in accordance with IESNA LM-79. Visit focalpointlights.com for complete photometric data.

SPECIFICATIONS

Acoustic Material

Content	Housing material is 100% polyester containing up to 50% of recycled plastic bottles (PET felt) and is moisture resistant.
	See page 10 for color offering. Acoustic material colors are subject to change without notice. For the most current color options, please visit focalpointlights.com/acousticsolutions. Lead times may vary depending on color.
Cleaning and Care	Polyethylene Terephthalate (PET) felt can be vacuumed to remove dust. For spills and stains, blot away any excessive moisture from spills off the material as quickly as possible. Wipe the area with a damp cloth and blot dry. If the staining persists, apply a small quantity of carpet cleaner mixed with water on a dampened cloth. Blot well after each application. Make sure to test this procedure in a discreet area before you use it in a visible area.
PET Thickness	9mm
Surface Burning Characteristcs	ASTM E84 Class A / CAN ULC S102 Flame Spread: 0 Smoke Development Index: 300

Acoustic Performance

Acoustic testing is performed on all Focal Point acoustic products and varies based on installation and configuration. ASTM C423 test reports can be downloaded from focalpointlights.com. Contact acoustic.solutions@focalpointlights.com for technical questions.

Sabins	Sabins is a unit of sound absorption. It measures how well one square foot of material absorbs sound. Focal Point has averaged the Sabins per unit at four specific frequency bands representing the human speech range (250, 500, 1000, 2000 Hz) to determine the Sabins per product. 8' length, 12" height: TruBlade 12" OC = 5.08 Sabins Seem 1 Acoustic 12" OC = 5.08 Sabins

Construction

Possible variance in blade vertical alignment due to material tolerance (+/-1°).

LED System

Proprietary linear LED module incorporates premium LEDs on a robust platform to achieve excellent thermal management. LEDs are placed to promote a uniform appearance. Available in 3000K, 3500K or 4000K with both 80 and 90 CRI options. LED drivers are replaceable from above. Color accuracy <3 SDCM.

Weight

TruBlade: will not exceed 3.75lbs per unit.
Seem 1 Acoustic: will not exceed 21.5lbs per 8ft.

Optic

Reflectors fabricated of 22 Ga. steel finished in High Reflectance White powder coat. Extruded acrylic lens .07" thick with frosted finish.

Electrical

Luminaires are pre–wired with factory installed branch circuit wiring and over-molded quick connects. Standard 120-277V constant current driver includes 0-10V analog dimming. Power factor > .9. Power cord white as standard.

Canopy (optional)

Polyester powder coat applied over a multi-stage pre–treatment. Canopy white as standard.

Emergency Battery

Emergency output - 10 watts for 90 minutes. Maximum mounting height: 16.83ft.

Labels

ETL listed in accordance with UL standards. Suitable for Dry Locations, indoor use only.

Lumen Maintenance

Reported:	L70 at >61,000 hours	Calculated: L70 at 470,000 hours
	L90 at >61,000 hours	L90 at 115,000 hours

Derived from EPA TM-21 calculator. Based on typical conditions, consult factory for additional data.

Reliability

At Focal Point, our products are designed to stand the test of time. Each luminaire is engineered using superior components, manufactured with the utmost care and rigorously tested. Contact us for reliability data.

Warranty

LED system rated for operation in ambient environments up to 25°C. Illuminated systems 5-year limited warranty. Unlit systems 1-year limited warranty.
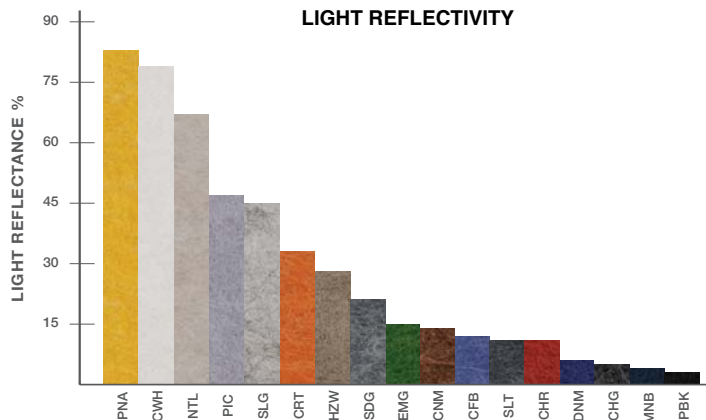
MOUNTING DETAILS LUMINAIRES

↓ FEED LOCATION

Acoustic Materials

FOCAL POINT®

THE NATURALS (25% SCALE)

LIGHT OAK **LOK**	GRAY ELM **GRE**	CHESTNUT **CHT**	WALNUT **WLT**	NATURAL LINEN **NTL**

STANDARD PET

PURE BLACK **PBK**	CHARCOAL GRAY **CHG**
SLATE **SLT**	SHADOW GRAY **SDG**
SILVER GRAY **SLG**	PEARL ICE **PIC**
CLASSIC WHITE **CWH**	NATURAL LINEN **NTL**
HAZELWOOD **HZW**	

PREMIUM PET

CORNFLOWER BLUE **CFB**	DENIM BLUE **DNB**	MIDNIGHT BLUE **MNB**	DEEP PURPLE **DPP**
BRICK RED **BRD**	CHERRY RED **CHR**	BERRY **BRY**	BLUSH **BLS**
DEEP WATER **DWT**	SEAFOAM **SFM**	EMERALD GREEN **EMG**	
CARROT **CRT**	PINEAPPLE **PNA**		
CINNAMON **CNM**	LIMESTONE **LMS**		

Declare.

PET
Focal Point, LLC

Final Assembly: Chicago, Illinois, USA
Life Expectancy: 30 Year(s)
End of Life Options: Salvageable/Reusable in its Entirety, Recyclable (100%)

Ingredients:

Polyethylene terephthalate: PET; **N, N'-Ethylene bisstearamide:** Octadecanamide, N,N'-1,2-ethanediylbis-; **Stearic Acid:** Stearic Acid; **Antioxidant 1076:** Benzenepropanoic acid, 3,5-bis(1,1-dimethylethyl)-4-hydroxy-, octadecyl ester; **Antioxidant KY-405:** Benzenamine, 4-(1-methyl-1-phenylethyl) -N-[4-(1-methyl-1-phenylethyl)phenyl]-; **Titanium Dioxide:** Titanium dioxide

Living Building Challenge Criteria:

I-13 Red List:
■ LBC Red List Free   % Disclosed: 100% at 100ppm
□ LBC Red List Approved   VOC Content: Not Applicable
□ Declared

I-10 Interior Performance: Not Compliant
I-14 Responsible Sourcing: Not Applicable

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MANUFACTURER RESPONSIBLE FOR LABEL ACCURACY
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LIGHT REFLECTIVITY

LIGHT REFLECTANCE %

(Bar chart, x-axis categories left to right: PNA, CWH, NTL, PIC, SLG, CRT, HZW, SDG, EMG, CNM, CFB, SLT, CHR, DNM, CHG, MNB, PBK)