LINEA
CEILING & WALL SYSTEMS

LINEA **WOOD BAFFLES**

LINEA Wood Baffles are a large format, vertically–oriented member used as decorative ceiling clouds or to cover areas of all sizes. LINEA Wood Baffles are independently suspended from structure using aircraft cable, strut channel or T–bar grid. Optional notched backers allow LINEA Wood Baffles to be attached to both walls and ceilings. Oversize LINEA Wood Baffles can be joined together using biscuits for a seamless appearance. LINEA Wood Baffles are available in solid wood or in a wide variety of wood veneers laminated to composite MDF or Particle Board Core. LINEA Wood Baffles are considered acoustically reflective, but veneer versions are available with Microperforations for enhanced sound attenuation.

SPECIFICATION–*example*

Type:	LINEA Wood Baffles
Species:	Select from Solid wood or Custom Veneer Options
Module Size:	Select from chart
Surface Options:	Smooth, LINEA Textured Face, Microperforations
Finishes:	Natural Clear, Custom Stained, Tinted Clear or painted finishes in *Matte, Satin or Semi–Gloss Sheen*
Fire Rating:	**Class A** per ASTM E–84 (USA) and CAN/ULC S102 (Canada)

Linea Wood Baffles

FEATURES | BENEFITS

- Large format, vertically–oriented members used as decorative clouds or to cover areas of all sizes.
- Multiple mounting methods including aircraft cable, strut channel, T–bar suspension and more.
- Available with MicroPerforations for enhanced sound attenuation.
- Several module sizes to choose from that can be mixed and matched.
- Optional notched backers allow for installation to ceilings or walls.
- Available in a wide variety of solid wood, real or engineered wood veneers and painted finishes.
- Class A Fire Rated per ASTM E84 and CAN/ULC S102 is standard.
- FSC Certified and other responsibly harvested wood options available.
- Available with LINEA Textured Face
- Undulating wave patterns available

**Product information is subject to change without notice.*

LINEA WOOD BAFFLE

PRODUCT DATA SHEET

LINEA Wood Baffle			Common Blade Profiles—USA (in)				Common Blade Profiles—Metric (mm)			
Sizing Options			Solid Wood ~		Veneer ^		Solid Wood~		Veneer ^	
Blades/LF	Nominal ⁎	Length ᵗ	Thickness	Depth	Thickness	Depth	Thickness	Depth	Thickness	Depth
1–8	1 x 5	8’ or 10’	3/4 or 1	4-1/4	3/4 or 1	4-1/2	19 or 25	108	19 or 25	114
1–8	1 x 6	8’ or 10’	3/4 or 1	5-1/4	3/4 or 1	5-1/2	19 or 25	133	19 or 25	140
1–8	1 x 8	8’ or 10’	3/4 or 1	7-1/4	3/4 or 1	7-1/2	19	184	19 or 25	190
1–8	1 x 10	8’ or 10’	Not Available		3/4 or 1	9-1/2	Not Available		19 or 25	241
1–8	1 x 12	8’ or 10’	Not Available		3/4 or 1	11-1/2	Not Available		19 or 25	292
1–4	2 x 5	8’ or 10’	1-1/4	4-1/4	1-1/2	4-1/2	35	108	19 or 25	114
1–4	2 x 6	8’ or 10’	1-1/4	5-1/4	1-1/2	5-1/2	35	133	38	140
1–4	2 x 8	8’ or 10’	1-1/4	7-1/4	1-1/2	7-1/2	35	184	38	190
1–4	2 x 10	8’ or 10’	Not Available		1-1/2	9-1/2	Not Available		38	241
1–4	2 x 12	8’ or 10’	Not Available		1-1/2	11-1/2	Not Available		38	292

⁎ Nominal sizes are not actual. Slat thickness and depths may vary between softwood, hardwood and veneer

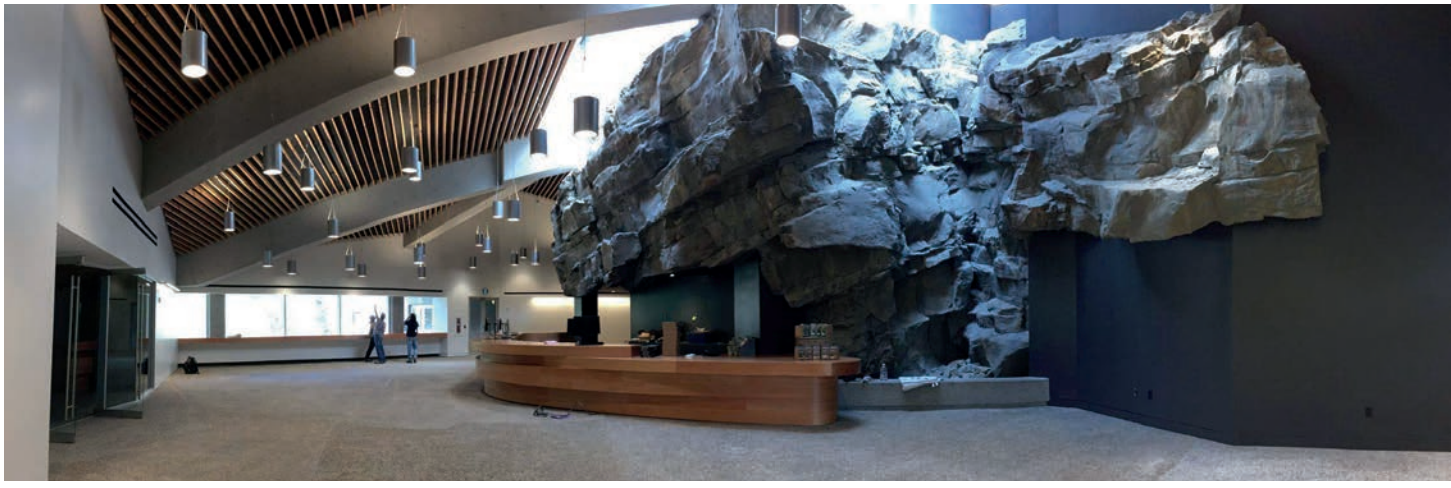
~ Commonly milled Softwood thicknesses include 5/8”, 11/16”, 3/4”, 1”, 1-1/4” or 1-1/2”

~ Commonly milled Hardwood thicknesses include 11/16”, 3/4”, 1” or 1-1/4”

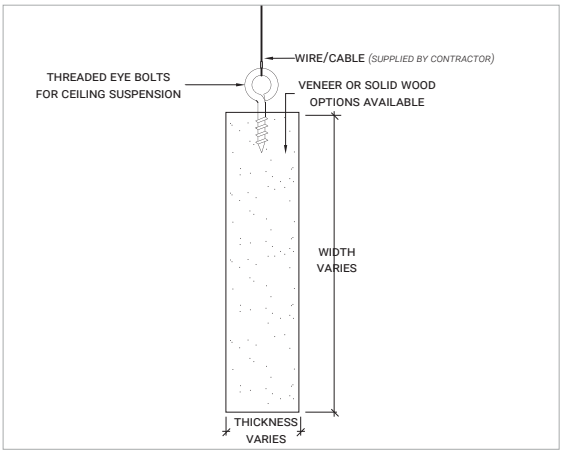
^ Common Wood Veneer on Composite Core thicknesses are 3/4”, 1” or 1-7/16”

ᵗ Baffles can be biscuit joined end to end in the field to create longer, continuous lengths where required.

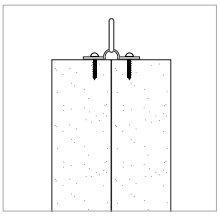
Additional options and custom profiling are available. ***Contact a LINEA representative for more details***



Various Mounting Methods



*End Detail with **Ring***



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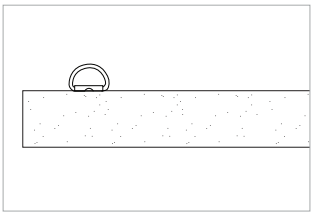
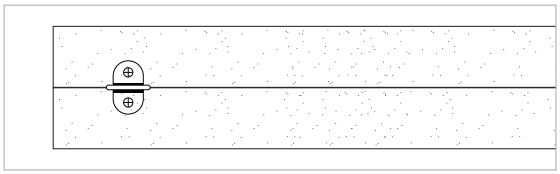
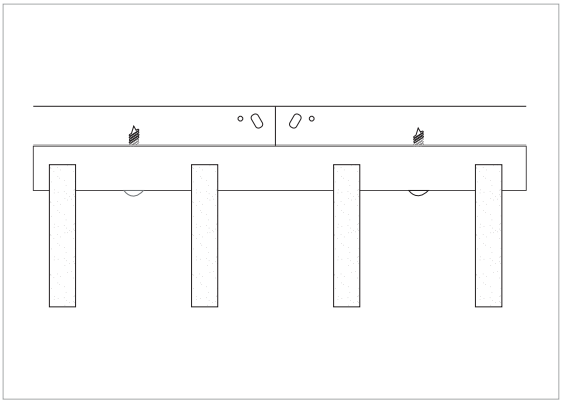


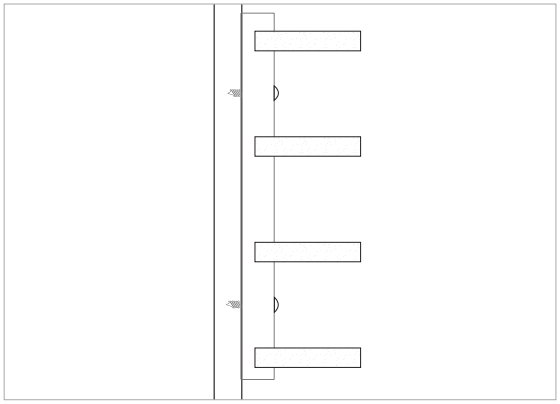
*Face Detail with **Ring***



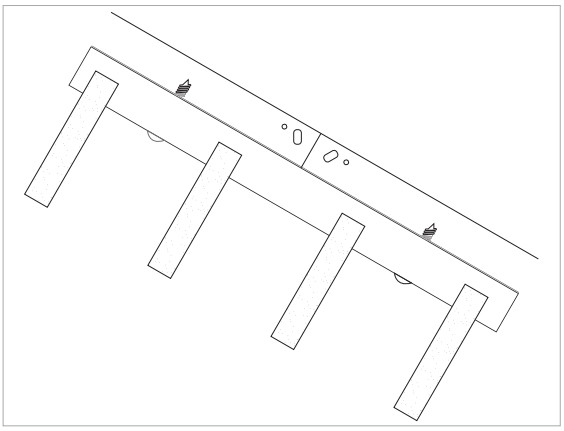
*Top Detail with **Ring***



***Notched Wood Backers** for ceiling application*



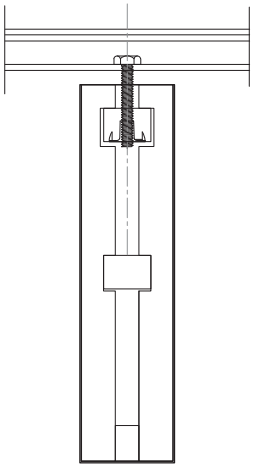
***Notched Wood Backers** for wall applications*



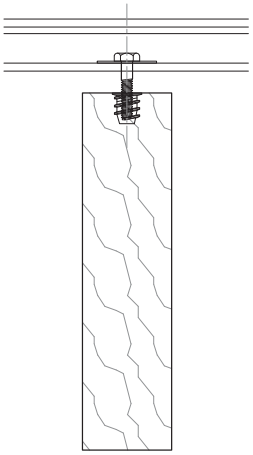
***Notched Wood Backers** for angled applications*

**Product information is subject to change without notice.*

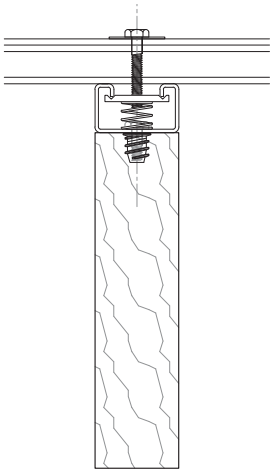
Various Mounting Methods



Strut Channel—Veneer



Strut Channel—Solid Wood



Strut to Strut—Solid Wood

Wood Species

**See our species sheet for more options.*

Common Solid Wood Species

Hemlock | *Douglas Fir* | *Poplar* | *Western Red Cedar*

Common Wood Veneer Species

White Oak | *Walnut* | *Maple* | *Birch* | *Douglas Fir* | *Cherry*

Simulated Finishes

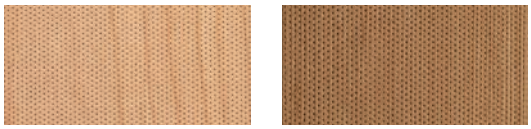
Pickled White | *Light Cherry* | *Dark Cherry* | *Maple* | *Walnut*

Painted Finishes

Colored Clears | *Custom Stains* | *Custom Paints*
White Wash/Pickled | *Simulated Finishes*

Available With:

Linea MicroPerforations



Linea Textured Face

Linea Textured Face with *Microperforations*

DISCLAIMER

A single sample may not accurately represent the full range of natural variations to be expected. Due to the inherent properties and characteristics of wood, these samples should be viewed as an approximation of what can be obtained. Some wood species have more natural variance in appearance than others. We have made every effort to make colors as accurate as possible. Colors on screen may vary depending on your screen setting and resolution.

Contact LINEA for more details.

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PHYSICAL DATA

WOOD SELECTIONS	
Wood Species *Interior*	LINEA Wood Baffle may be specified in a wide variety of solid woods as well as natural or engineered wood veneers pressed on composite MDF or Particleboard core with matching edge banding.
FINISHES	
Finishes	LINEA Wood Baffle for interior applications are factory finished smooth in a Clear 10° matte sheen in either a solvent-based or low voc water–based coating depending on customer specifications. Tinted clear finishes, custom stains and painted finishes are also available. Sheen options include matte, satin, or semi–gloss.
Surface Texture	Surface appearance as smooth or LINEA Textured Face. Texture options include: Fine, Medium, or Coarse.
Antibacterial	LINEA offers an Antibacterial Coating for interior wood product installations where cleanliness and hygiene are of the utmost importance. The coating has been specially formulated to provide excellent object/surface protection levels and deliver extraordinarily high physical/ chemical resistance. Furthermore, the presence of active metals boosts durability and protects the coating film from bacterial attack and the effects will last over time.
PANEL SIZES	
Module Sizes	LINEA Wood Baffles are manufactured and sold as 8' or 10' module sizes or can be customized. For lengths longer than 10', installer can join Baffles with biscuits or other mechanical connections in field as required.
TECHNICAL DATA	
Fire Rating *Solid Wood*	FX Lumberguard or FX Lumberguard XT chemical fire retardants are factory applied to all LINEA Wood Baffles prior to further finishing to achieve a Class A Fire Rating when tested to ASTM E-84 (USA) and CAN/ULC S102 (Canada). When site cutting is required, FX Lumberguard can be re–applied to the cut locations and re–sealed to bring the panel back into conformance. Other topically applied chemical fire retardants or intumescent finishes may be used in lieu of FX Lumberguard to achieve Class A Fire Rating. In some cases, the specifying consultant may need to file an Alternate Solution with local authorities for approval. LINEA suggests consulting with local building code consultants during the specifying stage to avoid any potential issues related to Fire Rating.
Fire Rating *Veneer/ Composite*	LINEA Wood Baffles are manufactured with real wood or engineered wood veneers are laminated to Class A Fire Rated Composite MDF or Particleboard cores. The combination of Wood Veneer and Finish is less than 1mm thick (0.5mm in most cases) and therefore should not be considered significant to the overall rating.
Acoustics	LINEA Wood Baffles are acoustically reflective. Perforation options may exist to assist with acoustics.
Seismic	LINEA Wood Baffles meet seismic code compliance via direct mechanical connection to support grid. Local code requirements should be consulted in order to determine additional requirements.
Installation & Suspension System	LINEA Wood Baffles use standard #12 Ga. wire hangers, braided wire, aircraft cable, or threaded rod, (supplied by others).
Warranty	1 Year Warranty on all LINEA panel products. *Contact LINEA for details.*
SHIPPING AND SITE CONDITIONS	
Shipping	LINEA products are carefully packaged and shipped in palletized wooden crates.
Site Conditions	Wood products are hygroscopic in nature and must be stored, installed & maintained in a controlled building environment. Temperature range should be maintained between 60°–90° F (15°–32° C). Relative Humidity range should be kept within a minimum 25%—max. 55% (not to exceed 20% RH from peaks to valleys). *Failure to maintain site conditions will void the LINEA warranty.*

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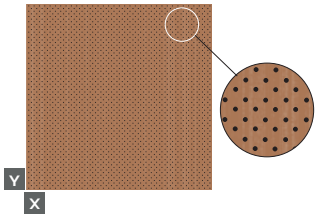
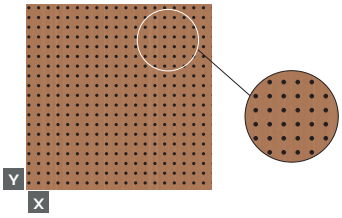
ACOUSTICS

LINEA WOOD BAFFLES are acoustically reflective. Veneer Baffles can be made with MicroPerforations for enhanced sound attenuation. Test results pending

LINEA MicroPerforated Panel

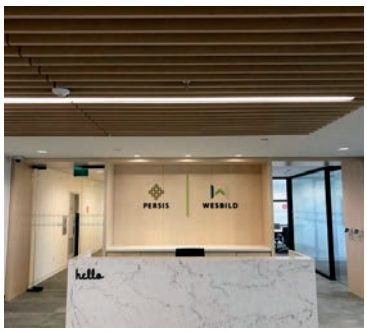


Hole Diameter —**0.65mm**
Spacing —**Y** 2mm
—**X** 2mm
NRC Range —0.55–0.85*



Hole Diameter —**1mm**
Spacing —**Y** 3mm
—**X** 3mm
NRC Range —0.55–0.85*

* NRC Ranges are dependent on various factors including, but not limited to, mounting method and sound absorbing insulation behind panels.



LEED®

Linea products can contribute towards LEED certification

MR–2.1 | 2.2	Construction Waste Management
MR–3.1 | 3.2	Materials Reuse
MR–4.1 | 4.2	Recycled Content
MR–5.1 | 5.2	Regional Materials *(location dependent)*
MR–7.0	Wood available as FSC Certified, upon request
EQ–3.1 | 3.2	Construction IAQ Management Plan
EQ–4.1 | 4.2 | 4.4	Low emitting materials

mindfulmaterials.com

Disclaimers

Appearance

Variation among LINEA Wood Baffles may occur due to the natural characteristics of real wood and wood grain. Variation may be reduced, but not eliminated by using custom stains, tinted clear finishes or engineered wood veneers.

Fire Performance

Individual product components *(wood, fabric, metal, finish)* comply with Class A fire retardant testing. ASTM E-84 and CAN/ULC S-102 submittal data is based on supplier tests. Product assembly testing has not been completed due to assemblies varying on a project–by–project basis. To exceed today's changing codes and environmental requirements, Linea recommends sprinkling both the ceiling and the plenum (concealed space) in lieu of using chemical fire retardants. Linea recommends the specifier consult a fire protection engineer, NFPA 13, and local codes for assistance where fire suppression and automatic fire detection systems are present.

Acoustics

LINEA Wood Baffles are acoustically reflective. Microperforation options are available for improved acoustic performance

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