

LINEAR DATA SHEET

SYSTEM: LINEAR | STYLE: PANELIZED



Wood planks that combine the natural beauty of wood with modern design to create an elegant product that enhances the architectural plan and allows for easy installation.



Linear Panelized is a module-based linear ceiling system consisting of equally-spaced parallel solid wood or veneered planks assembled into a panel by way of perpendicular woodbackers. The Linear Panelized ceiling system consists of fixed-size panels installed via [Woodbacker Clips[®]](#) on the ceiling or direct attach via screws for seismic compliance. Module widths range from 1'-2'. Plank widths vary. Standard lengths from 2'-10' (nominal) at 1' increments.

Linear Panelized is available in solid wood or veneer.



DESIGN

Linear Panelized is produced in St. Augustine, FL. [Woodbacker Clips[®]](#) are used to suspend panels from heavy duty grid. Wall panels are direct screw attached. [Primary Access Panels[®]](#) can be coordinated with MEP locations and cut in-field. In-factory cutouts can be achieved through coordination with the [Integrated Lighting[®]](#) program at Rulon.



ACOUSTICS

Linear Panelized is manufactured with fiber felt spacers between wood boards for sound passage and has been tested in accordance with ASTM C-423, achieving an **NRC-0.55**.



FIRE PERFORMANCE

Linear Panelized can be treated to meet **Class A** as per ASTM E-84. Solid wood is treated with a finish additive. Veneers are applied to an FR (Fire Rated) core.



SUSTAINABILITY

Linear Panelized supports sustainability initiatives like **WELL** and **LEED** through FSC compliance, NAF cores, HPDs, EPDs, and Indoor Advantage Gold certification.



SEISMIC

Linear Panelized meets code compliance via **direct screw attachment** to heavy duty grid. Local code should be consulted to determine additional seismic requirements.



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SPECIFICATION

COMPONENTS

HANGERS

#12- gauge wire hangers, braided wire, or aircraft cable (contractor-supplied).

SUSPENSION SYSTEM

Linear Panelized should be suspended using standard 15/16" [24 mm] heavy duty grid (contractor-supplied).

SYSTEM PROFILES & DIMENSIONS

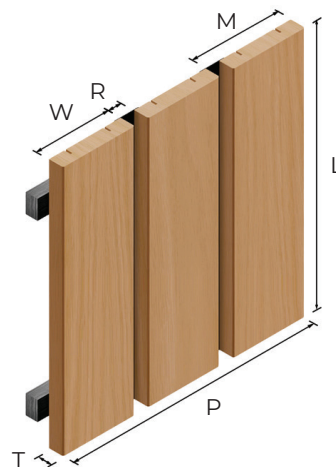
Linear Panelized boards are made from solid wood or veneer. Standard panels are assembled 1' [305 mm] wide - in lengths of 2' [610 mm] to 10' [3048 mm] (nominal, available in 1' [305 mm] increments). Wood boards are manufactured without finger joints. Boards are fastened together with black woodbackers, positioned 12" [305 mm] on center, starting 5-1/2" [140 mm] from the end of the panel - depending upon length selected. Board widths are as follows:

M MODULE ¹	4" (S) ²	4"	4-1/2"	6"
W (WIDTH)	3-1/4"	3-3/4"	3-3/4"	5-1/4"
R (REVEAL)	3/4"	1/4"	3/4"	3/4"
T (THICKNESS)			3/4"	
L (LENGTH)			FX ³	
P (PANEL)	12"	12"	18"	24"

¹Custom - Custom sizes available

²S - Slim module manufactured with 3-1/4" wide slats

³FX - Fixed lengths of 2' to 10' nominal (1' increments)



SPACERS

Fiber felt is factory-applied to one edge of each wood board, offering a closed plenum for more efficient air movement and dust containment. The fiber felt spacer provides a fire retardant closure and is black. Black ABS spacers, 1/8" [3mm] thick, may be substituted for the fiber felt as required (see drawing LOCXH01). The ABS profile is commonly referred to as Linear Panelized with a hardboard spacer.

INSTALLATION

ATTACHMENT

Linear Panelized may be suspended from grid using [Woodbacker Clips⁴](#) (see drawing LOPXF003). Panels may also be directly screwed to grid from above (see drawing D-257) or below. Wall Panels may be direct screw attached.

SPECIAL CONDITIONS

Ceiling termination at a wall or soffit is accomplished using Rulon perimeter trim #101 (see drawing LOCXF004). The standard perimeter for floating ceilings is Linear boards, turned 90° and pin-nailed into ceiling boards.

SPECIFICATION

WOOD SELECTIONS

WOOD SPECIES

Linear Panelized may be specified in a variety of wood species. Current standard wood species are: Ash, Maple, Red Oak, White Oak, Beech, Poplar, and Cherry. [Thermally Modified²](#) wood species are also available. Premium veneers and non-wood laminates are available.

TEXTURES

Standard surface texture is smooth-sawn. Faces are sanded.

FINISHES

WOOD FINISHES

Standard finishes include 20-sheen clear (satin) and 5-sheen clear (matte). A full range of standard colors can be found at rulonco.com/colorselections. Custom stains, opaque or semi-transparent colors are also available. All finishes are water based, low VOC-emitting, and do not contain solvents.

SHIPPING & STORAGE

SHIPPING

Linear Panelized is shipped on skids in shrink wrap packaging. Finished surfaces are facing one another with slip sheets between to prevent marring.

STORAGE

Linear Panelized shall be stored flat and level, in a fully enclosed space away from sunlight or moisture. For a minimum of seventy-two (72) hours immediately prior to ceiling installation, the packaging shall be opened and the panels shall be stored in the room in which they will be installed. The temperature and humidity of the room shall closely approximate those conditions that will exist when the building is occupied. Panels must be stored off the floor.

COORDINATION

TEMPERATURE & HUMIDITY

Linear Panelized shall be installed only when the temperature and humidity closely approximate the interior conditions that will exist when the building is occupied. Heating and cooling systems shall be operating before, during, and after installation, with the humidity of the interior spaces maintained between 25 and 55 percent, and a temperature between 60 to 90 degrees F.

SPECIFICATION

NOTES

SPECIAL NOTES

- The Integrated Lighting program at Rulon is an effort to coordinate MEPs more effectively and provide for a more streamlined process of integration. In practice, this effort begins with factory cutouts to accommodate light fixtures.
- Primary Access Panels are sections of a system that have been removed and assembled into a lift & shift panel for required-access locations.
- Thermally modified wood has been altered by a controlled process called pyrolysis which induces chemical changes to the cellular structure of the cell wall components of the wood material through heat to increase durability, shrink/swell factor, and biological resistance.
- Woodbacker Clips are spring clips that wrap around the woodbacker and attach to heavy duty grid. The clips are made of spring-steel with phosphate pre-treatment and corrosion-resistant coating.

TYPICAL DETAILS

STANDARD 2' [610mm] TO 10' [3048mm] NOMINAL PANELS IN 1' [305mm] INCREMENTS; PANELS ARE 1/2" [13mm] OR 1" [25mm] (VENEER OR SOLID) SHY OF LISTED DIMENSION TO ACCOUNT FOR SPACING

