



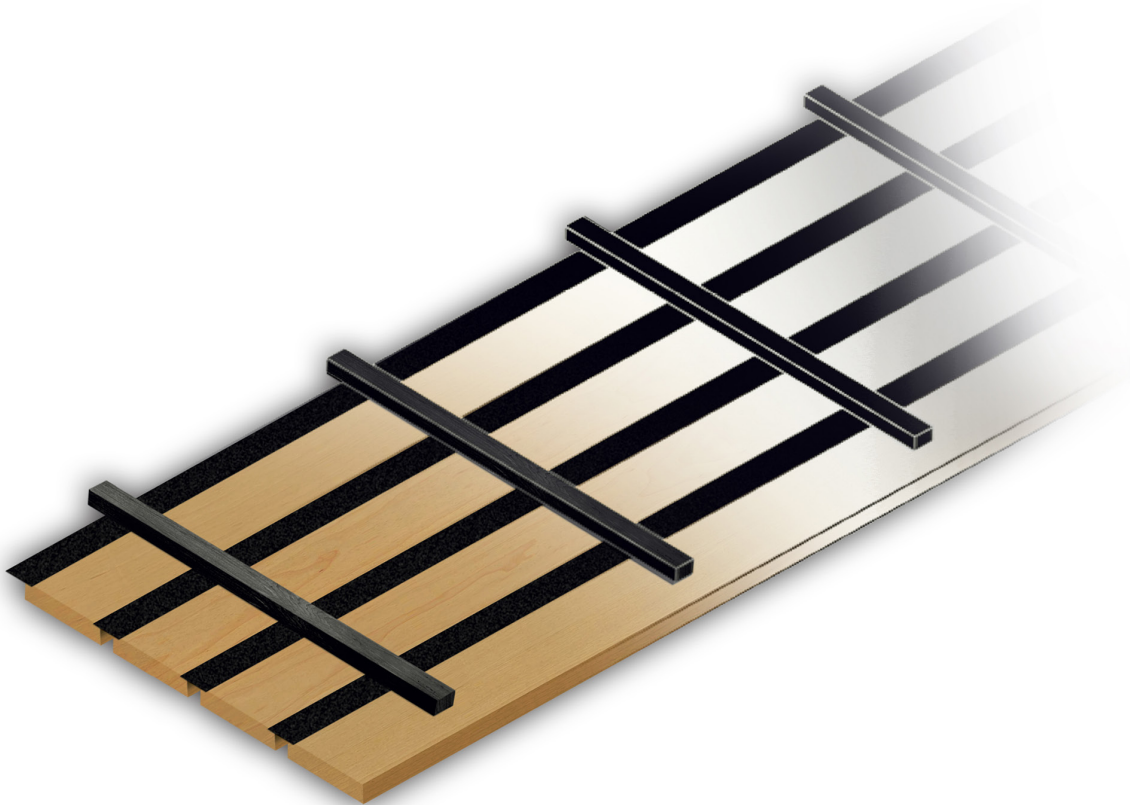
RULON
INTERNATIONAL

LINEAR DATA SHEET

System: Linear | Style: Panelized



OVERVIEW



SYSTEM

Rulon Panelized Linear wood ceiling and wall systems are designed with multiple wood boards connected by woodbackers to create a panel, then suspended parallel to the floor or on a wall with reveals separating each wood board and at the end of each panel. Rulon's standard panels are available in widths up to 2 feet and lengths up to 10 feet. Panels are easy-to-install with pre-assembled segments that can help reduce installation time. Panelized Linear comes in standard 4", 4 1/2", and 6" modules. Other module widths available. Panelized Linear available in solid wood or veneer.



TECHICAL DATA



ENGINEERING CONSIDERATIONS

Panelized Linear is manufactured at Rulon's plant in St. Augustine, FL. All shop drawings and coordination details are produced by Rulon's engineering staff.



ACCESSIBILITY

Panelized Linear is a fully-accessible Rulon ceiling system. [Woodbacker Clips^L](#) are used to suspend panels from heavy duty grid. [Primary Access Panels^L](#) can be coordinated and cut in-field. Wall panels are attached with [Z-Clips^E](#) or direct screw attached.



ACOUSTICS

Standard Panelized Linear is manufactured with fiber felt spacers between wood boards allowing sound to pass through the reveals to the plenum space beyond. Panelized Linear has been tested in accordance with ASTM C-423 and achieves an **NRC-0.55**.



SUSTAINABILITY

Panelized Linear may contribute as required to the following LEED v4 credits: **MR BPD&O - Sourcing of Raw Materials**, **MR BPD&O - Material Ingredients**, **EQ Low-Emitting Materials**, **EQ Minimum Acoustic Performance**.



FIRE PERFORMANCE

Panelized Linear can be treated to meet **Class A** requirements as per ASTM E-84. Solid wood is treated with a finish additive.



SEISMIC

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



INTEGRATIONS

Panelized Linear can be easily trimmed in-field to accommodate MEP integrations. Touch-up finish and edgebanding is supplied to veneer and seal cut edges. In-factory cutouts can be achieved with dedicated coordination and in conjunction with the [Integrated Lighting^D](#) program at Rulon.



GENERAL COSTING

Panelized Linear is typically one of the most economical systems depending on the material and manufacturing requirements. Panelized Linear qualifies as **\$\$\$\$** on the general costing scale. Local reps should be contacted in order to obtain a project-specific budget.



SPECIFICATION

COMPONENTS

HANGERS

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

SUSPENSION SYSTEM

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

ATTACHMENT

Ceiling Panels may be suspended from grid using [Woodbacker Clips^L](#) (see drawing LOPXF003) Panels may also be directly screwed to grid from above (see drawing D-257) or below. Wall Panels may be attached by [Z-Clips^E](#) (see drawing AXXX0013) or direct screw attached.

PROFILES

Panelized Linear 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:

- 3-3/4" [95 mm] board with 1/4" [6mm] reveal for 4" [102 mm] module
- 3-3/4" [95 mm] board with 3/4" [19mm] reveal for 4-1/2" [114 mm] module
- 5-1/4" [133 mm] board with 3/4" [19mm] reveal for 6" [152 mm] module

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" thick, may be substituted for the fiber felt as required (see drawing LOCXH01). The ABS profile is commonly referred to as Panelized Linear with a hardboard spacer.

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

Rulon Panelized Linear 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 Modified¹](#) wood species are also available. Standard veneer wood species are: Ash, Maple, Walnut, Red Oak, White Oak, Anegre, Beech, Bamboo, and Cherry. Premium veneers and non-wood laminates are available.

TEXTURES

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

FINISHES

WOOD FINISHES

Standard finish is satin clear. 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

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

STORAGE

Panelized Linear 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

System 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.



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TYPICAL DETAILS

THIS IS A PLACEHOLDER IMAGE



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NOTES

- ^D The Integrated Lighting program at Rulon is in partnership with GE Lighting and 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.
- ^I Primary Access Panels are sections of a system that have been removed and assembled into a lift & shift panel for required-access locations.
- ^J 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.