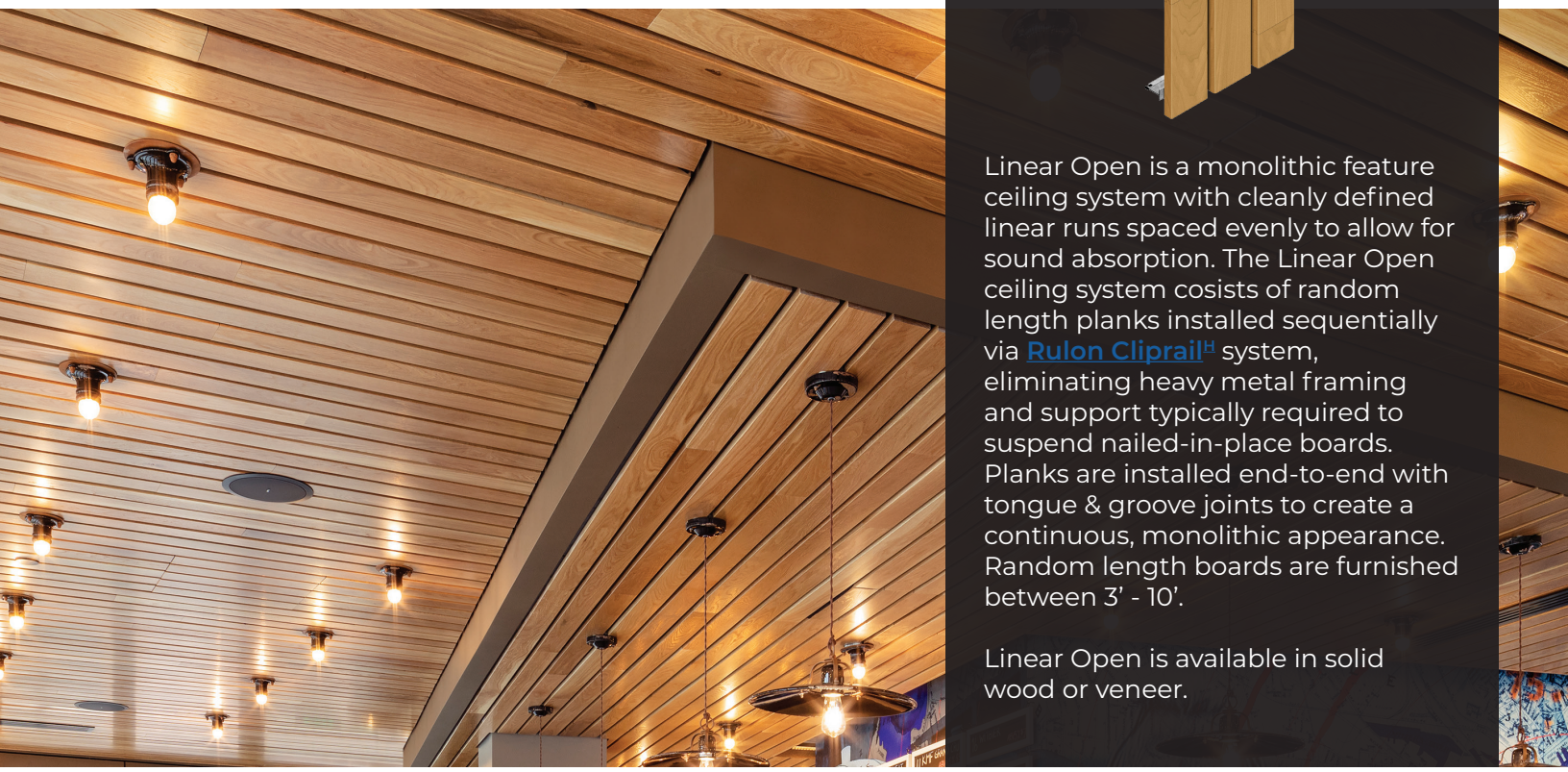
LINEAR DATA SHEET

SYSTEM: LINEAR | STYLE: OPEN

RULON INTERNATIONAL

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 Open is a monolithic feature ceiling system with cleanly defined linear runs spaced evenly to allow for sound absorption. The Linear Open ceiling system cosists of random length planks installed sequentially via Rulon Cliprail[H] system, eliminating heavy metal framing and support typically required to suspend nailed-in-place boards. Planks are installed end-to-end with tongue & groove joints to create a continuous, monolithic appearance. Random length boards are furnished between 3' - 10'.

Linear Open is available in solid wood or veneer.

DESIGN

Linear Open is produced in St. Augustine, FL. The Linear Clip[H] is a proprietary attachment method utilized by Rulon, and is simple for installers. Clips are factory-attached to heavy-duty grid and are mechanically fastened to wood boards by contractor. Primary Access Panels[I] can be coordinated with MEP locations and cut in-field. In-factory cutouts can be achieved through coordination with the Integrated Lighting[D] program at Rulon.

ACOUSTICS

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

SEISMIC

Linear Open 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

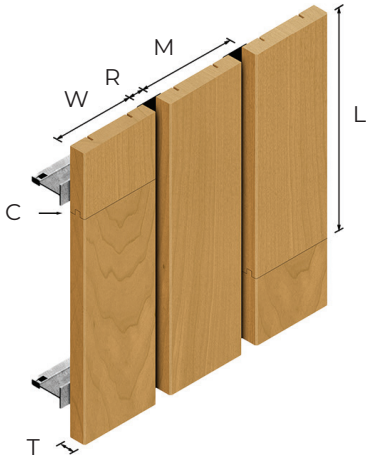
Rulon cliprails are made from galvanized steel and are 12 feet long. They are factory-fabricated with Linear Clips[H] assembled onto standard heavy-duty 15/16" grid. The clips are made of spring-steel, with phosphate pretreatment and a corrosion-resistant coating. The assembled cliprails are provided by Rulon as part of the system.

SYSTEM PROFILES & DIMENSIONS

Wood boards are 3/4" [19 mm] thick, with widths determined by the module selected. Standard board widths/modules 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)	RL[3]			
C (CONNECTION)	TONGUE & GROOVE			

[1]**Custom -** Custom sizes available
[2]**S -** Slim module manufactured with 3-1/4" wide slats
[3]**RL -** Random lengths (x) where 3'≤x≤10'



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 a Linear Open with a hardboard spacer.

INSTALLATION

ATTACHMENT

Linear Open boards install end-to-end using a tongue & groove joint followed by compression into a friction-fit clip. A clamping tool is to be used for rapid and easy assembly of wood boards to the cliprails (see drawing LOCXF002).

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 Open 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 Modified**[J] 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 Open is shipped on skids in shrink wrap packaging. Finished surfaces are facing one another with slip sheets between to prevent marring.

STORAGE

Linear Open 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 Open 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

[D] 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.

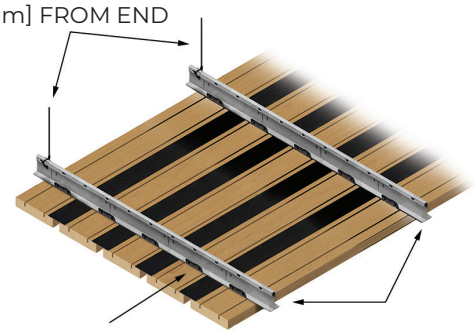
[H] The Linear Clip is a mechanical fastener that utilizes barbed inserts pressed into grooves in the backs of the wood boards creating positive attachment. The clips are made of spring-steel with phosphate pre-treatment and corrosion-resistant coating.

[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 pyrolosis 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.

TYPICAL DETAILS

12 GA HANGERS STANDARD 4' [1219mm] O.C. / 6" [152mm] FROM END

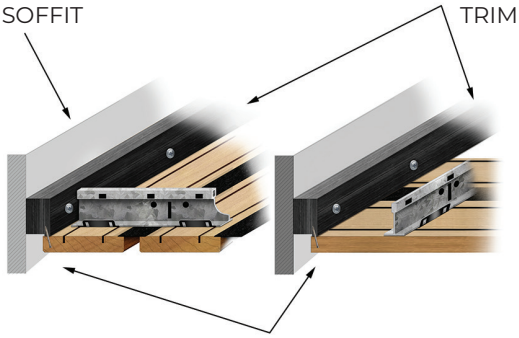


QUICK INSTALL, FRICTION-FIT CLIP

CLIPRAIL STANDARD 2' [610mm] O.C., 4" [102mm] FROM EDGE

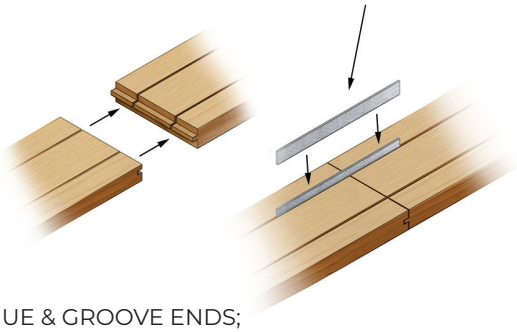
WALL, BEAM OR SOFFIT

PERIMETER TRIM # 101



NAIL OR STAPLE

1/16" [2mm] STEEL STRIP, NAIL, OR WIRE AT ALL TONGUE & GROOVE JOINTS



TONGUE & GROOVE ENDS; STAGGER JOINTS

APPLY PRESSURE UNTIL PLANK POSITIVELY SECURES TO CLIPRAIL

CLAMPING TOOL