Armstrong Integrated Lighting for WoodWorks® Linear Veneered Open

Assembly & Installation Instructions

This installation guide is a supplement to the standard WoodWorks® Linear Veneered Open installation instructions.

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1. SOLUTION OVERVIEW

The WoodWorks® Linear Veneered Open linear light is a low-profile light fixture designed to be installed in the same manner as the specified 4-1/2" or 6" WoodWorks Linear Veneered Open plank system – eliminating the need for major modifications of the suspension system and independent suspension of the light fixture.

The linear light fixture is engineered to match the actual plank width and 3/4" reveal spacing of the WoodWorks Linear Veneered Open system. A black fleece backing is factory-applied to the linear light to cover the reveal, ensuring visual continuity and helping the fixture blend cleanly with adjacent planks. The system allows both continuous and discontinuous lighting layouts, offering flexible design options while maintaining a uniform aesthetic. The Armstrong Integrated Lighting linear light fixtures are sold by LightArt®.

IMPORTANT NOTE: Installation requires collaboration between the ceiling installer and the electrical contractor.

- **Ceiling contractor:** Installs the suspension system, the WoodWorks Linear Veneered Open planks and performs minor grid adjustments as needed to accommodate drivers.
- **Electrical contractor:** Installs the drivers, the linear light and completes wiring and power connections after the linear lights are in place.

Because the lighting panels and ceiling system interact closely, ongoing collaboration between both trades is essential to ensure a smooth installation process.

NOTE: Lighting components are supplied by their respective manufacturers. Coordinate product delivery and power requirements with the electrical contractor.

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1.1 Safety Recommendations

Two to three people can safely and efficiently install the linear lights and the WoodWorks Linear Veneered Open plank system. One qualified electrician, responsible for installing light fixtures and making all electrical connections and 1-2 ceiling contractors responsible for installing the WoodWorks Linear Veneered Open plank system.

All personnel must wear appropriate PPE, including, safety glasses, gloves, and footwear. Ensure all necessary tools needed for proper wiring of fixture to supply circuits is used.

Use a ladder, mobile scaffolding, or scissor lifts appropriate for the ceiling height and site conditions.

2. DESIGN & INSTALLATION CONSIDERATION

2.1 Linear Light

The linear light fixtures may be used to replace a portion of, or an entire WoodWorks Linear Veneered Open plank and must be installed using the same suspension system as the surrounding planks. The linear light is manufactured to match the size and visual orientation of the WoodWorks Linear Veneered Open planks and must align with the overall plank layout.

When laying out the linear light, ensure that any plank located between light fixtures is a minimum of 4' in length.

2.2 Expansion Joints

WoodWorks® Linear Veneer Open planks require the use of expansion joints (Axiom® Slip Joint) for any continuous run exceeding 24'. During design and layout, this maximum 24' run must be carefully considered, as it directly impacts the allowable length of continuous linear lighting. Linear light fixtures must terminate or be interrupted at expansion joints to accommodate plank movement and ensure proper system performance.

2.3 Suspension System

The suspension system must be installed following the WoodWorks Linear Veneered Open installation instructions and will require some minor modification to accommodate the driver directly mounted to the suspension system.

3. GENERAL INSTALLATION & ASSEMBLY

Refer to project-specific shop drawings for exact locations and layout of the linear light fixtures. Please read this entire document prior to beginning work to avoid any re-work.

The ceiling contractor and electrical contractor must communicate clearly throughout the installation process. Order of operation provided here is just a guide; the ceiling and electrical contractors can adjust the order as needed to best accommodate their needs for a smooth and easy installation process.

3.1 Electrical Contractor Scope – Preparing the Plenum

The following work must be performed by a qualified electrician. All required electrical preparation in the plenum space must be completed prior to the start of ceiling installation.

3.1.1 Installing Junction Boxes & Whips

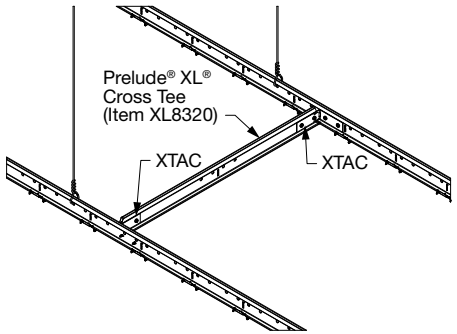
Install all required junction boxes and whips in accordance with LightArt's Armstrong Integrated Lighting installation instructions for WoodWorks Linear Veneered Open.

3.2 Ceiling Contractor Scope – Installing Suspension System

The ceiling contractor is responsible for installing the suspension system to receive the WoodWorks® Linear Veneered Open planks and linear lighting. Installation must follow the standard WoodWorks Linear Veneered Open installation instructions, along with the additional suspension system modifications outlined below, where required.

3.2.1 Suspension System Modification

Suspension system modifications are required when lighting drivers are mounted to the suspension system. The standard WoodWorks Linear Veneered Open suspension system does not use cross tees. To support driver mounting, however, a 2' cross tee must be added and secured using XTAC clips as shown ***(Fig 1)***.



(Fig 1)

Refer to the project-specific drawings to determine the exact driver locations based on linear lighting placement. Install the appropriate number of cross tees as required.

NOTE: For 6" planks, cross tees may not align with the routed holes in the main beam. In these cases, the stab-end detail of the cross tee must be removed, and the cross tee must be secured using XTAC clips and screws. An alternative option to cross tees is to use a section of main carrier, cut to the required length, with clips removed and fastened using XTAC clips.

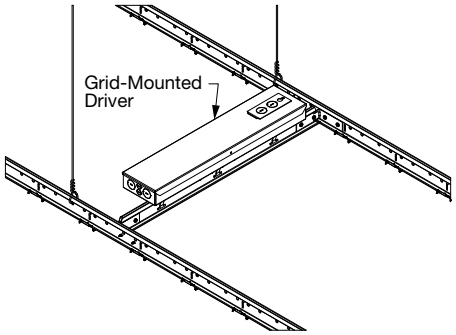
3.3 Electrical Contractor Scope – Driver and Linear Light Installation

After the required suspension system modifications have been completed, the electrical contractor can install the drivers and linear light fixtures. Installation must be performed in accordance with the project-specific drawings, which indicate the exact locations of all linear light fixtures.

3.3.1 Install Driver

Electrical contractor should install drivers onto cross tee as shown ***(Fig 2)***.

NOTE: Driver can also be independently suspending using hanger wires to accommodate project or job site needs.

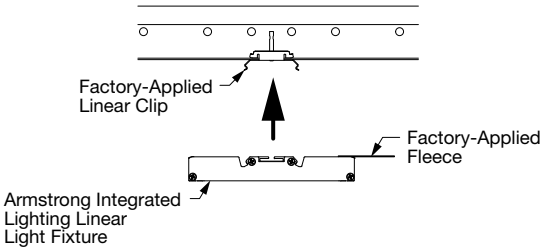


(Fig 2)

3.3.2 Install Linear Lights

The electrical contractor should install the linear light, following the same installation method as the WoodWorks® Linear Veneered Open planks.

Position the linear light fixture grooves against the factory-applied clips on the linear carrier. Hold the carrier down while pushing up on the light. Make sure the clip is fully entered into the grooves. You should hear an affirmative “snap” noise once the light is in its proper position. Work from one end of the strip to the other. Hand pressure should be enough to seat a clip into the kerfs fully ***(Fig 3)***.



(Fig 3)

When installing the linear light fixture, ensure it is oriented so the fleece faces the same direction as the fleece on the wood planks.

It is recommended to have a minimum distance of 1" between the joints of the linear lights and the carrier.

The electrical contractor should complete the electrical connection as instructed in LightArt’s Armstrong Integrated Lighting installation instructions for WoodWorks Linear Veneered Open.

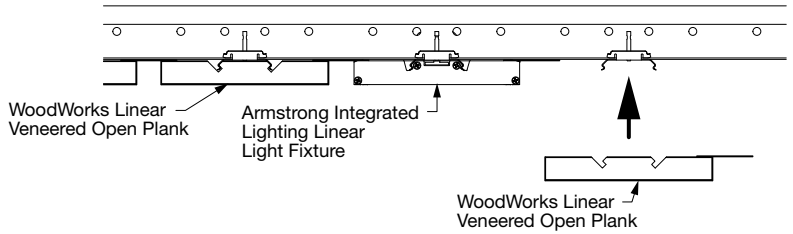
3.3.3 Safety Cables

Install safety cables on fixture as required by local code.

3.4 Ceiling Contractor Scope – WoodWorks® Linear Veneered Open Installation

The ceiling contractor can begin installing the WoodWorks Linear Veneered Open planks following the standard instructions and continue installation across the room ***(Fig 4)***.

NOTE: When installing planks that fall before the linear light fixture, (opposite side of where the fleece is on the light) the fleece on the plank will need to be carefully tucked in behind the light.



(Fig 4)

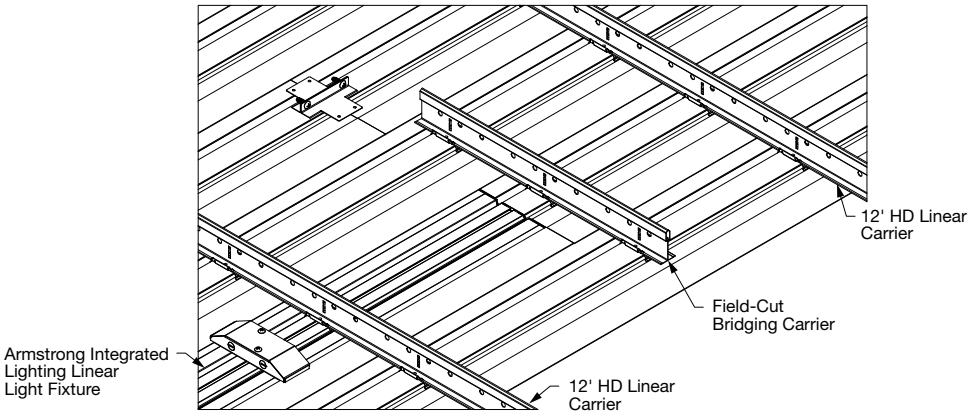
3.4.1 Plank Terminations at Linear Light Fixtures

Although end-to-end wood plank joints are typically spliced, plank ends that terminate at a linear light fixture are not spliced. This condition allows the linear light fixture to remain fully accessible for maintenance. However, unspliced plank ends may require supplemental support depending on the cantilever length.

If the cantilever length is 4" or greater, additional support is required. To provide this support, install a bridge assembly spanning three adjacent planks, with the cantilevered plank positioned in the center. The bridge assembly consists of one of the following:

- 13" carrier section for 4-1/2"-wide planks (with three factory-applied clips) **OR**
- 18" carrier section for 6"-wide planks (with three factory-applied clips)

The carrier section is attached to the back of all three planks. By anchoring to the two adjacent planks, it provides the necessary support for the cantilevered plank while maintaining full access to the linear light fixture ***(Fig 5)***.



(Fig 5)

MORE INFORMATION

For more information, or for an Armstrong representative, call 877 276-7876.
For complete technical information, detail drawings, CAD design assistance, installation information, and many other technical services, call TechLine customer support at 877 276-7876.

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