

INSTALLATION

Laō[®]
by Laudescher

THE FINEST WOOD SUSPENDED
ACOUSTIC CEILINGS



LAUDESCHER

Installation

Laō suspended ceiling

THE QUICKEST INSTALLATION
AND REMOVAL SYSTEM
FITS TO A STANDARD T24 GRID



These recommendations are suggestions and are for information purposes only.

For more details, consult the grid manufacturer's installation instructions along with the corresponding applicable standards which will prevail over all other recommendations.

If there are any doubts about how to install, the operative must seek out the necessary information and precisions in advance.

Laudescher will not be held liable for any incorrect installation of the product.



Grid

The product can be installed onto a black T24 grid*, using its patented system, compliant to the currently applicable standards and good practices regulations for the country in question (DTU 58-1).

Laudescher does not supply the structural elements.

* The joints between the carriers and the spacers must be secured with a harpoon system. The whole of the grid and suspension system must be designed to stand damp and/or corrosive conditions.

DESCRIPTION

T24 carriers	1200 mm centre to centre
1200 mm spacers	Harpoon type
Distance between hangers	800 mm, consult the grid manufacturer documentation for larger centre spacing. maximum 150 mm from edge
Finish	Perimeter trim with a matt black corner piece (hollow perimeter joint)

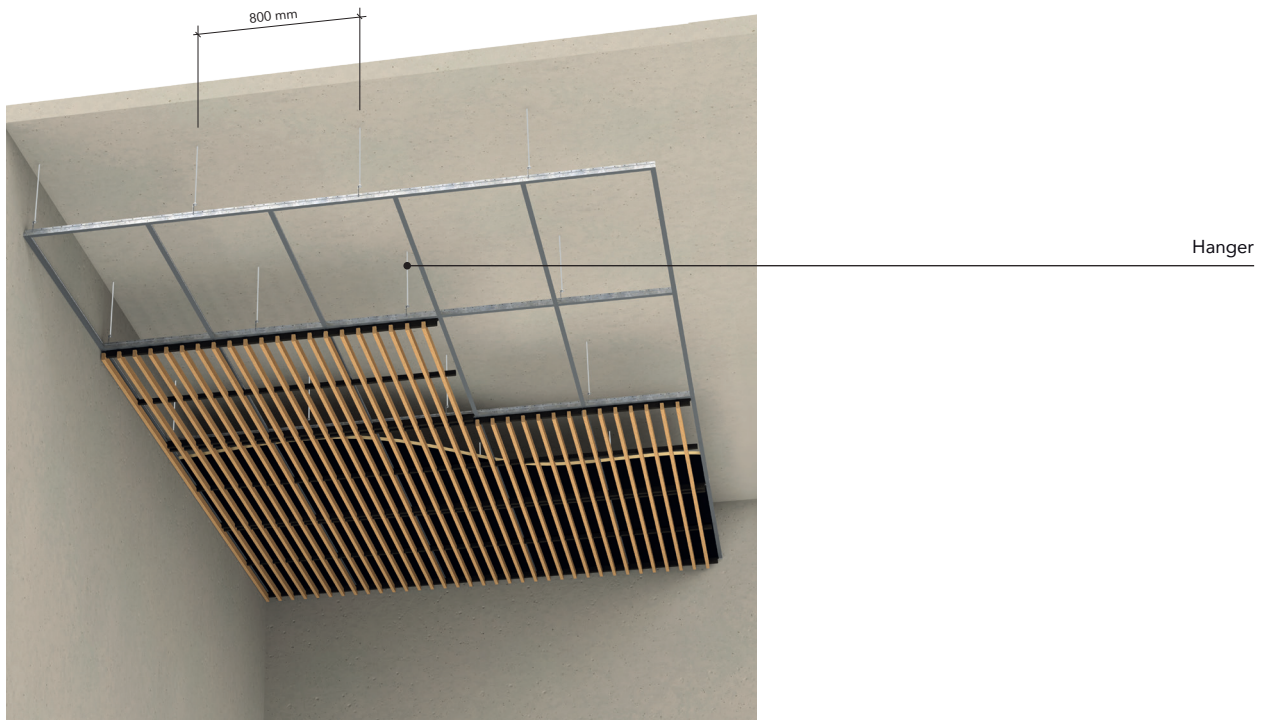
GRID SPECIFICATIONS

	1200 x 600 mm grid
T24 carrier	0.84 ml/m ²
1200 mm spacers	1.67 ml/m ²
Hangers	1.06 units/m ²
Finish	Depending on the perimeter

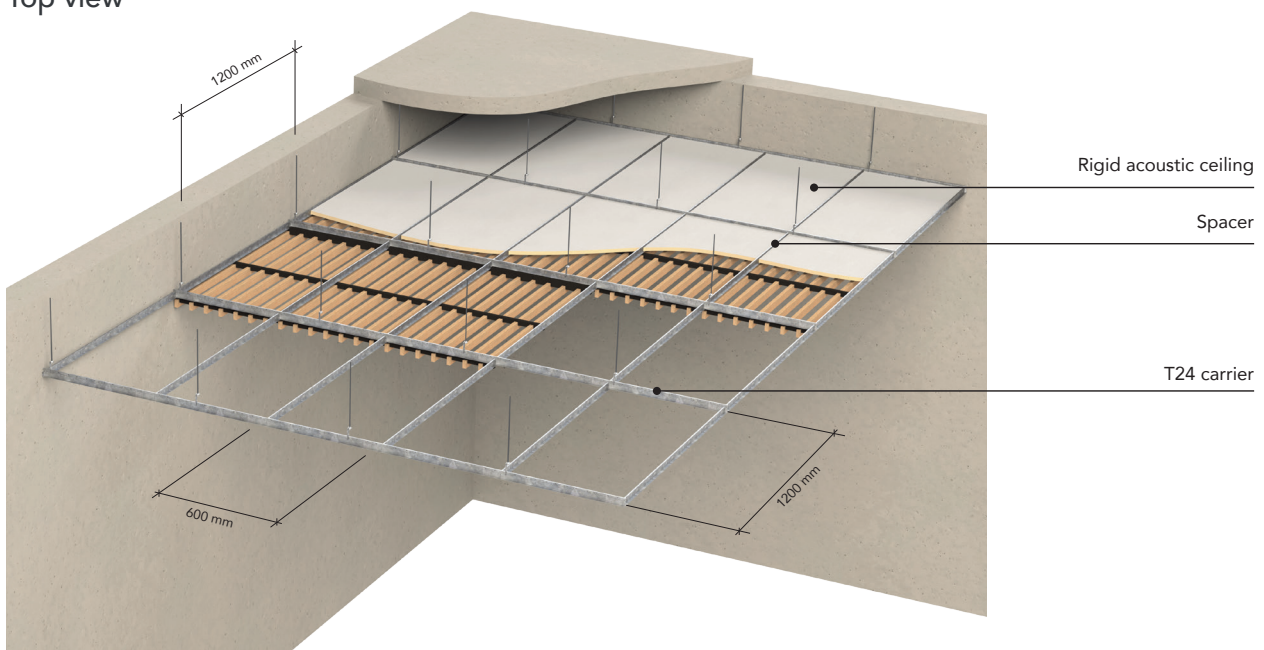
Maximum load: 13.5 kg/m² evenly distributed

Support structure

View from below

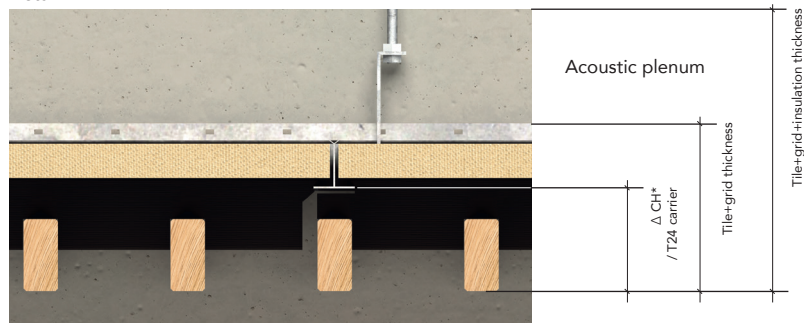


Top view



System dimensions

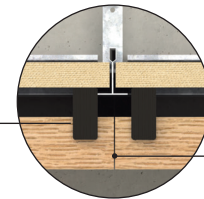
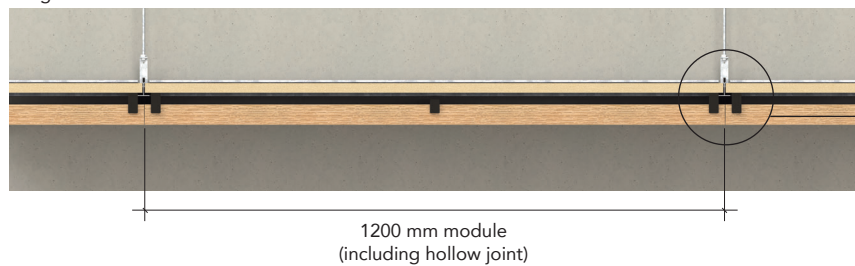
Detail



	ΔCH^* / T24	Tile+grid thickness	Tile+grid+insulation thickness
2.4	60 mm	103 mm	336 mm
4.2	46 mm	89 mm	322 mm

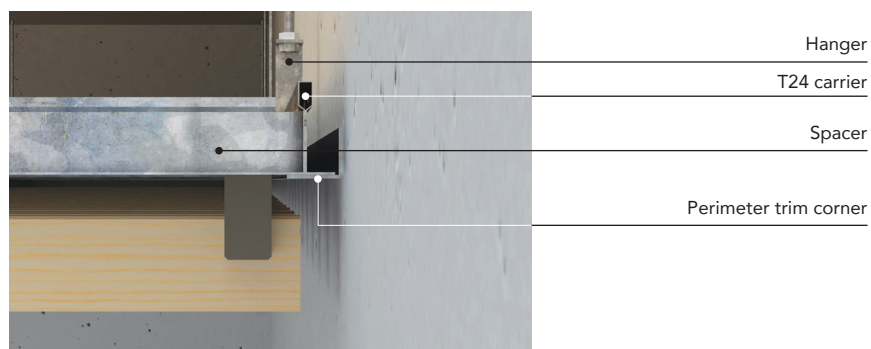
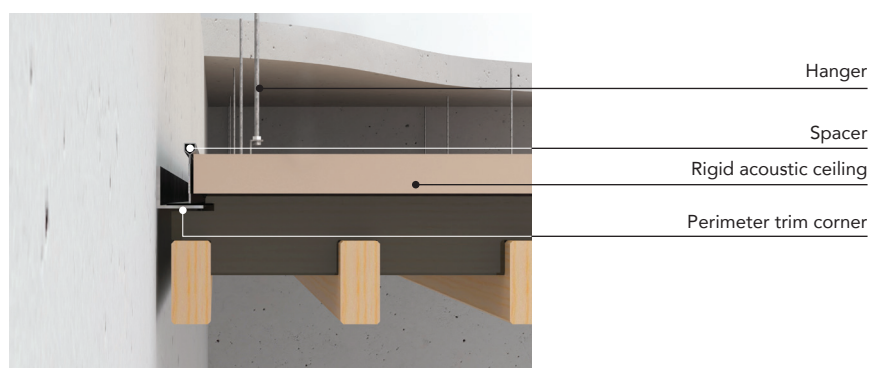
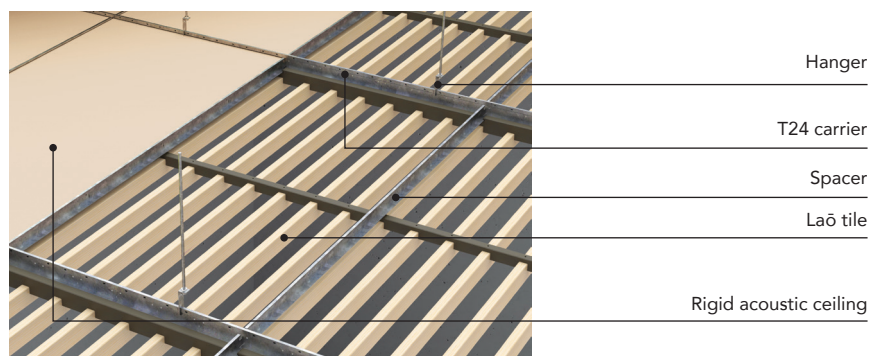
*Ceiling Height (under suspended ceiling)

Longitudinal view



1mm hollow joint

Installation principals

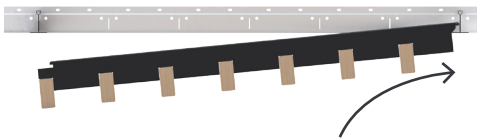


Installation principals

Installation

Step 1:

Place the male end of the counter-slat against the spacer



Step 2:

Insert the female end of the counter-slat into the spacer



Step 3:

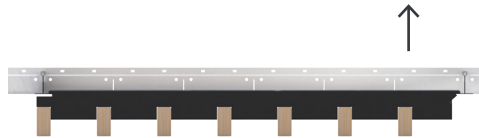
Click the male end of the spacer into the spacer



Removal

Step 1:

Release the male end of the counter-slat from the spacer



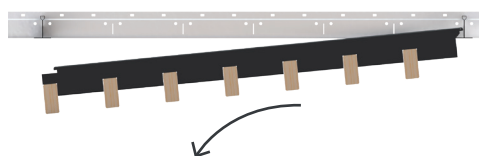
Step 2:

Release the female end of the counter-slat from the spacer



Step 3:

Remove the tile



Cutting tiles

Introduction:

For other cutting operations, contact us



Only cut the male section

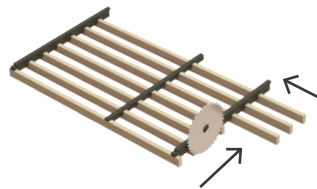
Cutting length-wise



1 Mark the area to be cut



2 Unscrew and then slide the counter-slat to one side, then cut the slats. Screw the counter-slat back in place.



Cutting the width



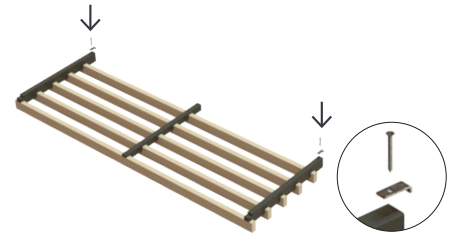
1 Mark the area to be cut



2 Cut the tile



3 Screw the Laõ edge plates to the end of the counter-slats as shown below



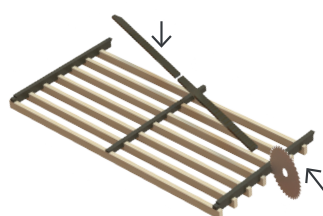
Angled length-wise cut



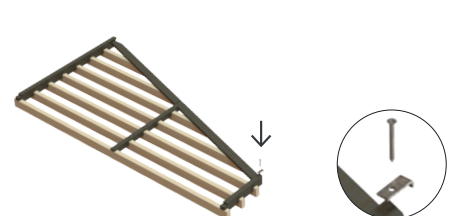
1 Mark the area to be cut



2 Screw the cutting template in place then cut the slats



3 Screw the Laõ edge plates to the end of the counter-slats as shown below

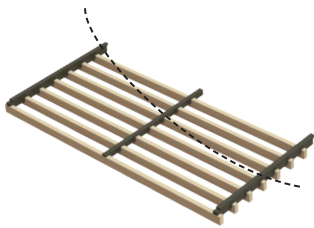


Cutting tiles

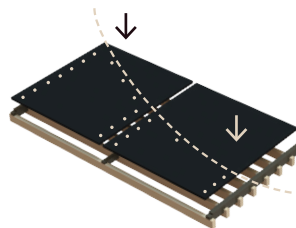
Free-form cutting



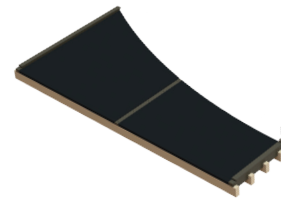
1 Mark the area to be cut



2 Screw a backing piece to the rear of the slats following the location of the cut

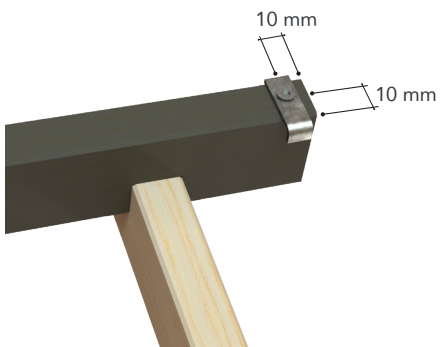


3 Cut the tile and then screw a Laõ edge plate to the ends of the cut counter-slats

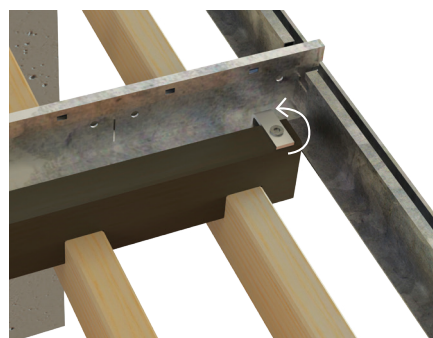


Edge plates

1 The Laõ edge plates have been designed to be screwed 10 mm from the ends of the counter-slat



2 Once the tile is place, the edge plate turns to hook onto the T24 carrier



Inserting an element

Free-form cutting



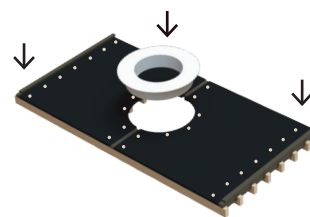
1 Mark the area to be cut










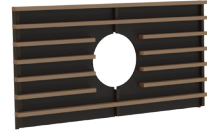
2 Cut the slats



3 Screw the pre-cut backing to the backs of the slats. Screw each slat in place to ensure solidity



Options & accessories ceiling

Extra counter-slat	<p>Extra counter-slats provide greater flexibility when cutting or reconstituting tiles or simply for re-using tile off-cuts</p>	
Extra central counter-slat	<p>Extra counter-slats provide greater flexibility when cutting or reconstituting tiles or simply for re-using tile off-cuts</p>	
Extra slat	<p>Extra slats allow you to finish the work neatly by ensuring use of the same cross-sections</p>	
Cutting profile	<p>The cutting profile provides greater flexibility when cutting tiles to ensure that they cope perfectly with site constraints.</p>	
Laõ edge plates	<p>Edge plates recreate the edging system after cutting a counter-slat</p>	
Backing	<p>Backing allows you to make a wide variety of cuts and inserts, or can be used to hide the plenum whilst still distributing sound (reverberation)</p>	
Custom backing option	<p>Contact us</p>	
Custom tile option with inserted backing	<p>Contact us</p>	
Finish options	<p>Slat or counter-slat touch-up product</p>	



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