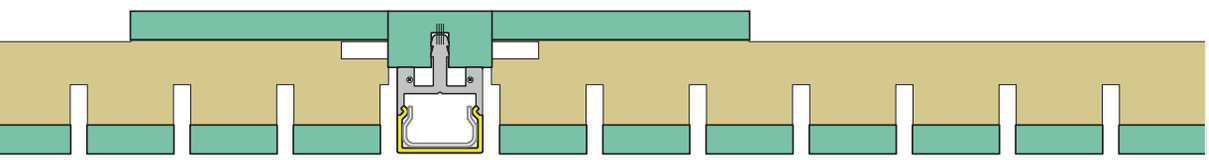
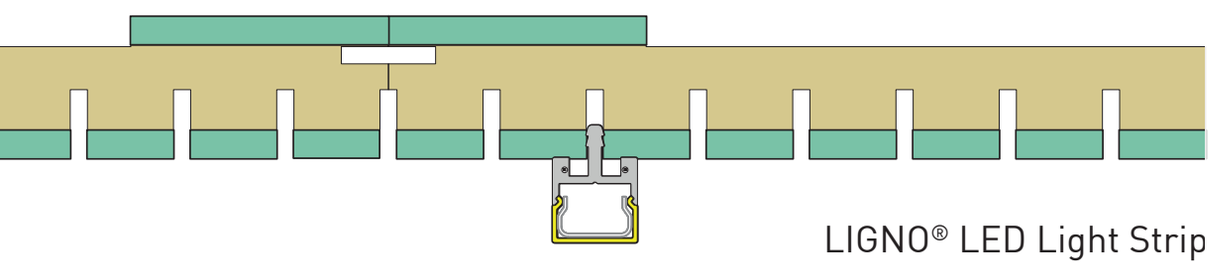
LED Light Strip for LIGNO® Acoustic light

Planning Fundamentals

Last revision on 05/08/2026,
subject to modifications.



LIGNO® LED Light Strip
for flush-mounted installation in acoustic cladding.



LIGNO® LED Light Strip
for retrofit installation in acoustic gaps.

Contents

CE

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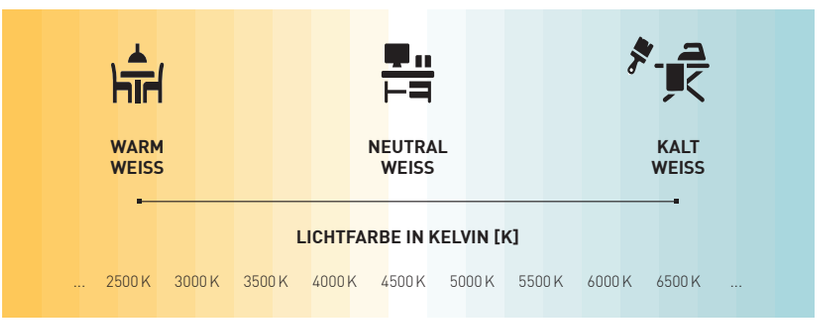
LIGNO TREND®

Basic Terms

Colour Temperature = K [Kelvin]

The colour temperature of a light source refers to the **perceived colour** of the light it emits.



Luminous Flux = ϕ [lm]

Luminous flux ϕ describes the light **output emitted** by a light source in all directions. The physical unit of luminous flux ϕ is the lumen [lm].

Illuminance = E [Lux]

Illuminance E describes **a defined luminous flux incident on a defined area**.

Power Consumption = P [W/m]

Indicates how many **watts per running metre of light strip** are required. The running metres of light strip multiplied by the power consumption W/m gives the total power of the light strip, which is needed for sizing the converter/transformer.

Luminous Efficacy [lm/W]

Luminous efficacy is the gross luminous flux of a light source relative to its electrical power consumption.
It indicates how many **lumens are produced per watt**.

Colour Rendering Index Ra (general reference index; internationally: CRI (Colour Rendering Index))

The colour rendering index describes the **quality of a light source** in terms of natural colour reproduction. A value of 100 corresponds to sunlight. Values above 90 are considered very good, values above 80 good. Lower values make colour recognition more difficult and should only be used in special cases.

Glare = UGR Value

Glare is a disturbing **visual sensation**. It is caused by excessive luminance or luminance differences within the field of view. Vision can be significantly impaired by glare. Glare can be assessed for all regularly arranged luminaires in a room using the UGR method. The abbreviation UGR stands for „Unified Glare Rating".

LED Service Life Data (L and B Value)

LEDs lose luminous flux during operation. **The L value indicates the proportion of the original luminous flux retained after a defined operating period (B value)**. Example L70/B10: after 50,000 hours, 90% of the LEDs still achieve at least 70% of their initial luminous flux. Lighting design must apply a maintenance factor (MF) to account for ageing and soiling.

Photobiological Safety

Photobiological safety in accordance with DIN EN 62471 assesses the UV, visible, and infrared radiation emitted by luminaires with regard to potential harm to skin and eyes. The standard distinguishes four risk groups (RG 0-3). **Our luminaires are classified in RG 0 and pose no photobiological hazard**.

Dimming via DALI

Digital Addressable Lighting Interface (DALI) is a protocol used in building automation to control lighting control gear.

Requirements

Technical Rules for Workplaces ASR A3.4 - The Technical Rules for Workplaces (ASR) reflect the state of the art in technology, occupational medicine, and occupational hygiene, as well as other established findings in ergonomics, for the setting up and operation of workplaces.

- The illuminance must not fall below 0.6 × Em (average illuminance).
- The required minimum illuminance must be achieved at the workplace; additional luminaires can be added if necessary.
- Glare (UGR) must be avoided by suitable measures, e.g. by
  - selecting suitable light sources
  - suitable selection and arrangement of luminaires
  - reducing the brightness differences between the glare source and its surroundings
  - avoiding reflections (matt surfaces)

Lighting requirements for workrooms, workplaces, and tasks

Workrooms, Workplaces, Tasks		Minimum illuminance value E in (lx).	Minimum colour rendering index value R_a
1.	**Traffic routes**		
1.1	Traffic areas and corridors without vehicular traffic	50	40
1.1a	Traffic areas and corridors without vehicular traffic, in the area of landings and steps	100	40
1.2	Traffic areas and corridors with vehicular traffic	150	40
1.3	Stairs, escalators, moving walkways, lifts	100	40
2	**Storage**		
2.1	Shipping and packaging areas	300	50
2.4	Storage rooms with reading tasks	200	60
3	**General areas, activities, and tasks**		
3.1	Canteens, kitchenettes, restaurants	200	80
3.2	Break rooms, waiting rooms, common rooms	200	80
3.3	Rooms for physical exercise (sports rooms, fitness rooms, sports halls)	300	80
3.4	Washrooms, bathrooms, toilets, changing rooms	200	80
3.5	First aid rooms	500	90 (E_y>175 lx)
3.6	Domestic installation facilities, switchgear rooms	200	60
3.9	Laboratories, measuring stations	500	80
3.10	Kitchens	500	80
3.11	Entrance halls	200	80
3.12	Reception desk, counter	300	80
4	**Offices and office-type work areas**		
4.1	Filing, photocopying	300	80
4.2	Writing, reading, data processing	500	80 (E_y>175 lx)
4.4	Archives	200	80 (E_y>175 lx)

5.	**Sales areas**		
5.1	Sales area	300	80
5.2	Checkout area, packing table	500	80
6	**Training facilities, kindergartens, pre-schools**		
6.1	Playrooms, nursery rooms, craft rooms	300	80 (E_y>100 lx) dimmable
6.2	Classrooms in primary and secondary schools	300	80 (E_y>100 lx)
6.3	Lecture halls	500	80
6.4	Blackboard, demonstration table	500 * vertical	80
6.5	Computer practice rooms, language laboratories, music practice rooms	300	80
6.6	Specialist classrooms: science and technical education, craft and textile design, training workshops, handicraft rooms, drawing rooms	500	80

For further information, see ASR A3.4 and DIN EN 12464-1, Light and lighting - Lighting of workplaces - Part 1: Indoor workplaces

Recommendations for private living spaces

Workrooms, Workplaces, Tasks	Minimum illuminance value E in (lx).	Minimum colour rendering index value R_a
Corridors and stairs	100-150	80
Living room	75-100 (dimmable)	80
Dining room	100	80
Kitchen	150-250	80
Bathroom	250-300	80
Storage room, cellar	100-300	80
Hobby workshop	250-300	80

LED Light Strips for LIGNO® Acoustic light

The LED light strip for LIGNO® Acoustic stands out for its defined installation variants with a harpoon web in slotted acoustic panels with adhesive points. With housing widths of 20 and 28 mm, the luminaire profile is matched to the web width of the underlying, highly absorbent acoustic panels. The high degree of prefabrication results in short installation times and considerable savings, both in installation and in operation, thanks to efficient LED lighting technology.

Light output through the satin-finished diffuser is even, bright, and soft.

20 mm width

Colour temperature in Kelvin	Installed light output in lm/m	Surface-mounted light output in lm/m	Power consumption in W/m	Luminaire efficacy in lm/W	Colour rendering (CRI)	Dimmability
3000	770	930	7,6	101	›90	DALI possible
3000	1200	1460	11,8	102	›90	DALI possible
3000	1770	2190	17,1	104	›90	DALI possible
4000	780	950	8,0	103	›90	DALI possible
4000	1230	1510	11,9	104	›90	DALI possible
4000	1770	2190	18,0	104	›90	DALI possible

All values may be subject to tolerances of +/- 10%.

*Other colour temperatures are available on request, but subject to greater limitations regarding performance values and price.

28 mm width

Colour temperature in Kelvin	Installed light output in lm/m	Surface-mounted light output in lm/m	Power consumption in W/m	Luminaire efficacy in lm/W	Colour rendering (CRI)	Dimmability
3000	860	990	7,6	113	›90	DALI possible
3000	1340	1540	11,8	114	›90	DALI possible
3000	2010	2310	17,1	118	›90	DALI possible
4000	870	1000	7,6	115	›90	DALI possible
4000	1390	1590	11,8	118	›90	DALI possible
4000	2010	2190	17,1	118	›90	DALI possible

All values may be subject to tolerances of +/- 10%.

*Other colour temperatures are available on request, but subject to greater limitations regarding performance values and price.

L_{max} = 2965 mm per element

The LED strip can be shortened every 50 mm! +15 mm for end caps;
Luminaire length = (n × 50) + 15 mm.

- The luminaire contains a light source of energy efficiency class C/D.
- Degradation L80/B10 (Tc 60°C) @ 50,000h
- Power consumption 24 V_{DC}
- Flexible supply cable with 2×0.75 mm² and Wieland connector, up to 2.8 m
- Protection class III
- Degree of protection IP20
- CE label
- Housing colour: aluminium E6/EV1 or white (similar to RAL 9010), powder-coated.
- End caps: translucent, white, or silver.

LED Light Strip for LIGNO® Acoustic 20 mm: Tunable White					
Colour temperature in Kelvin	Light output in lm/m	Power consumption in W/m	Luminaire efficacy in lm/W	Colour rendering (CRI)	Dimmability
2700 to 6500	750	9,9	76	› 80	DALI
2700 to 6500	1200	15,4	78	› 80	DALI
2700 to 6500	1750	24,0	76	› 80	DALI

L_{max} = 2940 mm per element

The LED strip can be shortened every 75 mm! +15 mm for end caps;
Luminaire length = (n × 75) + 15 mm.

- The luminaire contains a light source of energy efficiency class E.
- Degradation L80/B10 (Tc 60°C) @ 50,000h
- Power consumption $24V_{DC}$
- Flexible supply cable with 3×0.5 mm² and Wieland connector, up to 2.0 m
- Parallel connection - planning by electrician
- Protection class III
- Degree of protection IP20
- CE label

LED Light Strips for LIGNO® Acoustic light

Converter/Transformer: Standard LED Light Strip for LIGNO® Acoustic

Type	DALI	Power	Voltage	Dimensions (L × W × H)	Channel
OSRAM OT SLIM	-	30 W	220...240 / 24 V	270 x 30 x 17,5 mm	-
OSRAM OT SLIM	-	60 W	220...240 / 24 V	338 x 30 x 17,5 mm	-
OSRAM OT SLIM	-	100 W	220...240 / 24 V	374 x 30 x 18,5 mm	-
OSRAM OT SLIM	-	160 W	220...240 / 24 V	404 x 30 x 21,5 mm	-
OSRAM DALI OTI	dimmable	50 W	220...240 / 24 V	346 x 32 x 22 mm	1
OSRAM DALI OTI	dimmable	80 W	220...240 / 24 V	346 x 32 x 22 mm	1
OSRAM DALI OTI	dimmable	160 W	220...240 / 24 V	300 x 50 x 35 mm	1

Notes:

Max. distance from luminaire to control gear: <10 m
All control gear units carry the MM test mark (furniture installation).
Observe the temperature values (Tc max).

Accessories

Type	No.		
Connecting cable Socket Plug	GST08i275T	50V/6A, H03V2V2 x 0,75 m²	3 metres

Converter/Transformer: Tunable White

Type	DALI	Power	Voltage	Channel
OSRAM DALI OTI	dimmable	50 W	220...240 / 24 V	4 CH DT / 6
OSRAM DALI OTI	dimmable	80 W	220...240 / 24 V	4 CH DT / 6
OSRAM DALI OTI	dimmable	160 W	220...240 / 24 V	2 CH DT / 6

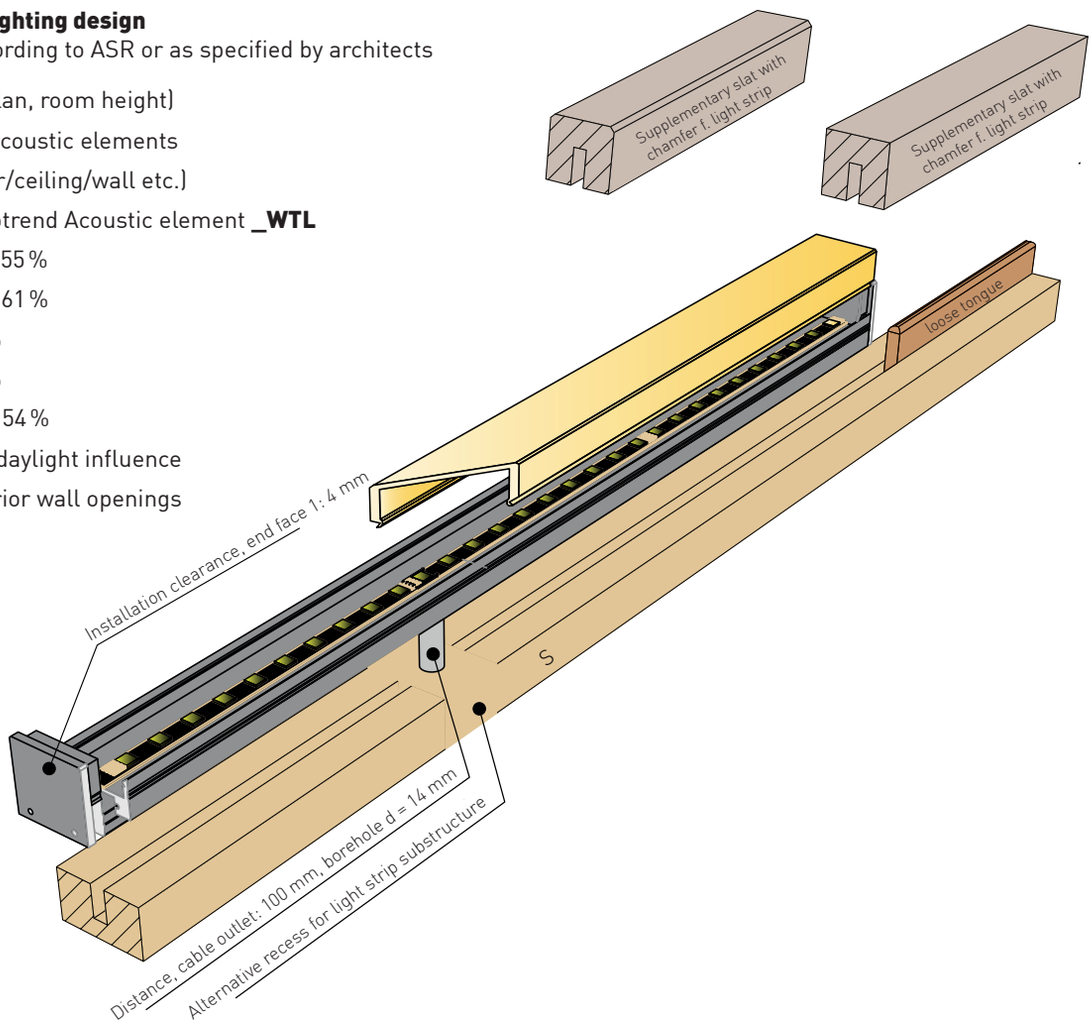
Accessories

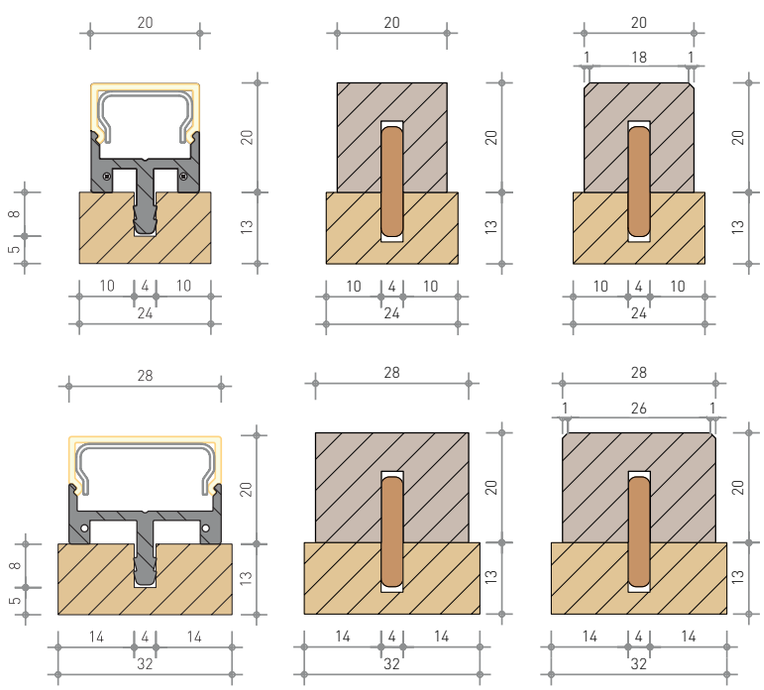
OSRAM DALI MCU Tunable White	Rotary switch with DALI function for Tunable White colour change and manual dimming, for on-site connection. Optionally via Bluetooth.

Construction drawing
LED light strip for LIGNO® Acoustic

Information for detailed lighting design
Lighting requirements according to ASR or as specified by architects

- Room geometry (floor plan, room height)
  - Installation plan for acoustic elements
- Reflectance values (floor/ceiling/wall etc.)
- Reflectance value, Lignotrend Acoustic element **_WTL**
  - varnished **_bl-w10** = 55 %
  - varnished **_bl-w20** = 61 %
  - oiled **_bh-w10** = 52 %
  - oiled **_bh-w20** = 60 %
  - UV protection **_buv** = 54 %
- Building orientation for daylight influence
  - Arrangement of exterior wall openings



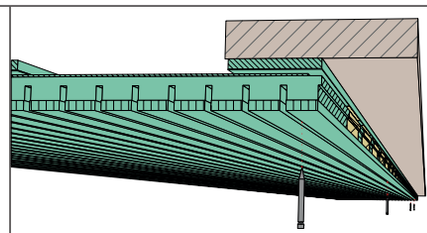


LED light strip for LIGNO® Acoustic: Flush-mounted installation parallel to the acoustic panel

1. Screw acoustic panel to substructure

Screw the acoustic panel parallel to the substructure 135 x 27 mm at least every 735 mm at the two outermost grooves using fully threaded wood screws 3.5 x 40 mm from Spax / HECO.

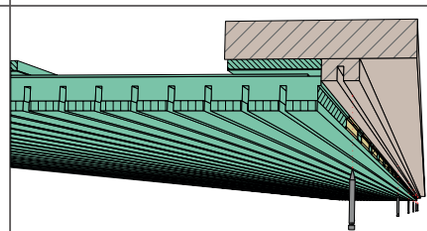
Note: Screws can be sourced from Lignotrend.



2. Attach plug-in rail for LED light strip

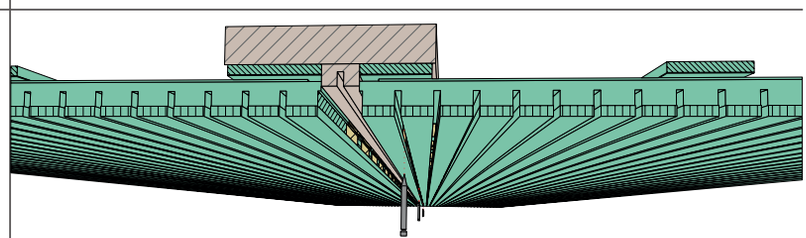
Screw the plug-in rail into the groove using fully threaded wood screws 3.5 x 40 mm from Spax / HECO at a spacing of approx. 500 mm to the substructure.

Note: Screws can be sourced from Lignotrend.



3. Screw second acoustic panel to substructure

Position the following acoustic panel against the plug-in rail and screw it to the substructure as described in step 1.



4. Plug-in installation of the LED light strip for LIGNO® Acoustic and supplementary slat

4.1 Perform function test before fastening

4.2 Measure and mark the rail position and cable routing. Leave an installation clearance of 1-4 mm at the end face for the LED light strip; distance from cable outlet to LED light strip 100 mm (Detail 2)

4.3 Drill the cable routing hole using a min. 14 mm wood drill bit through the plug-in rail groove and substructure.

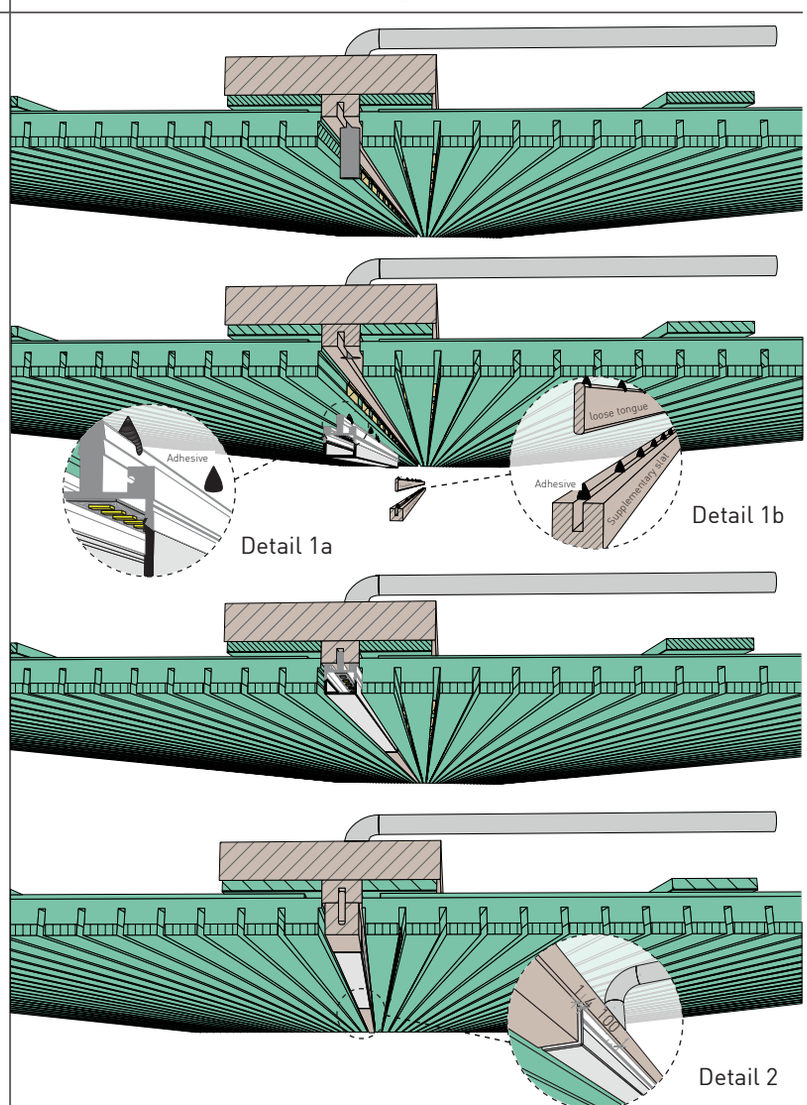
4.4 Apply adhesive at points to the LED light strip at a spacing of approx. 500 mm on the plug-in rib (Detail 1a)

4.5 Apply adhesive at points to the loose tongue and supplementary slat (Detail 1b)

4.6 Press LED light strip flush into the groove

Note: Use heat-resistant adhesive, e.g. D3 or D4 white glue, temperature resistance up to max. 80°C

Supplementary slat and loose tongue can be sourced from Lignotrend

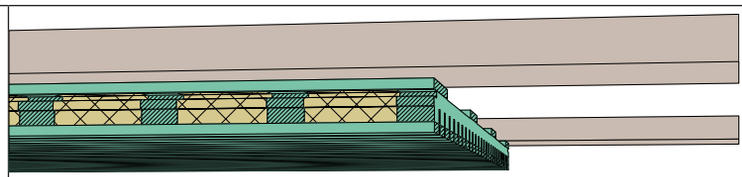


LED light strip for LIGNO® Acoustic: Flush-mounted installation transverse to the acoustic panel

1. Screw acoustic panel to substructure

Screw the acoustic panel parallel to the substructure 95 x 27 mm at least every 735 mm at the two outermost grooves using fully threaded wood screws 3.5 x 40 mm from Spax / HECO.

Note: Screws can be sourced from Lignotrend.

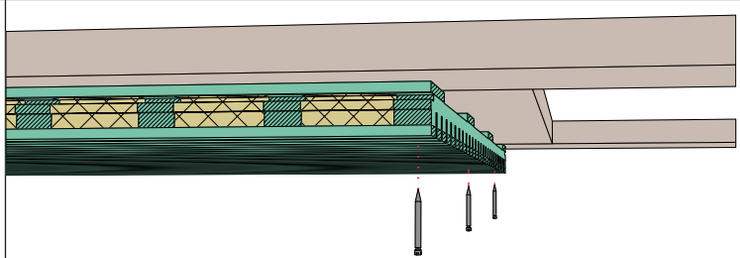


2. Joint backing, substructure

Back the element joint with substructure.

Screw the acoustic panel at the joint end with 3 fully threaded wood screws 3.5 x 40 mm from Spax / HECO each.

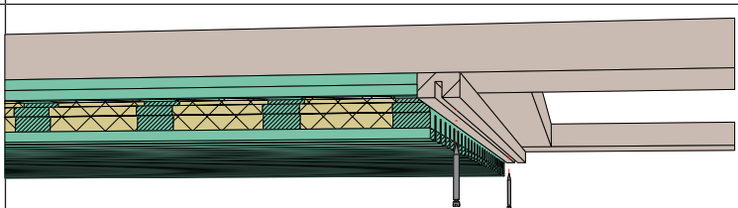
Note: Screws can be sourced from Lignotrend.



4. Attach plug-in rail for LED light strip

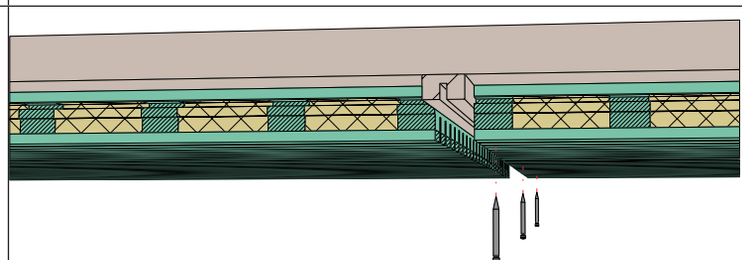
Screw the plug-in rail into the groove using fully threaded wood screws 3.5 x 40 mm from Spax / HECO at a spacing of 500 mm to the substructure.

Note: Screws can be sourced from Lignotrend.



5. Screw second acoustic panel to substructure

Position the following acoustic panel against the plug-in rail and screw it to the substructure as described in step 3.



6. Plug-in installation of the LED light strip for LIGNO® Acoustic and supplementary slat

6.1 Perform function test before fastening

6.2 Measure and mark the rail position and cable routing. Leave an installation clearance of 1-4 mm at the end face for the LED light strip; distance from cable outlet to LED light strip 100 mm (Detail 3)

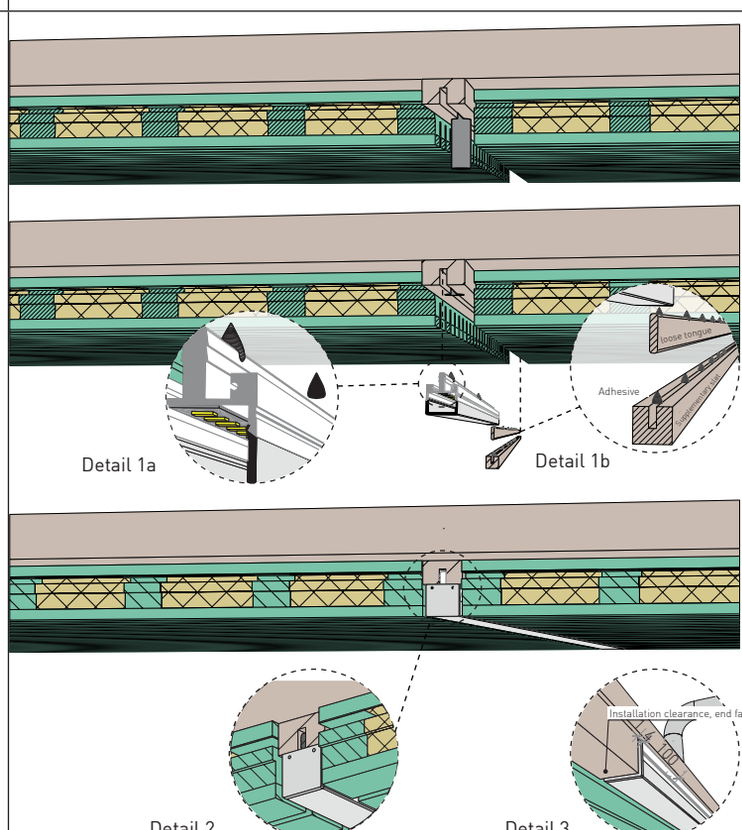
6.3 Drill the cable routing hole using a min. 14 mm wood drill bit through the plug-in rail groove and substructure. Alternatively, recess in the plug-in rail

6.4 Apply adhesive at points to the LED light strip at a spacing of approx. 500 mm on the plug-in rib (Detail 1a)

6.5 Apply adhesive at points to the loose tongue and supplementary slat (Detail 1b)

6.6 Press LED light strip flush into the groove (Detail 2 and 3)

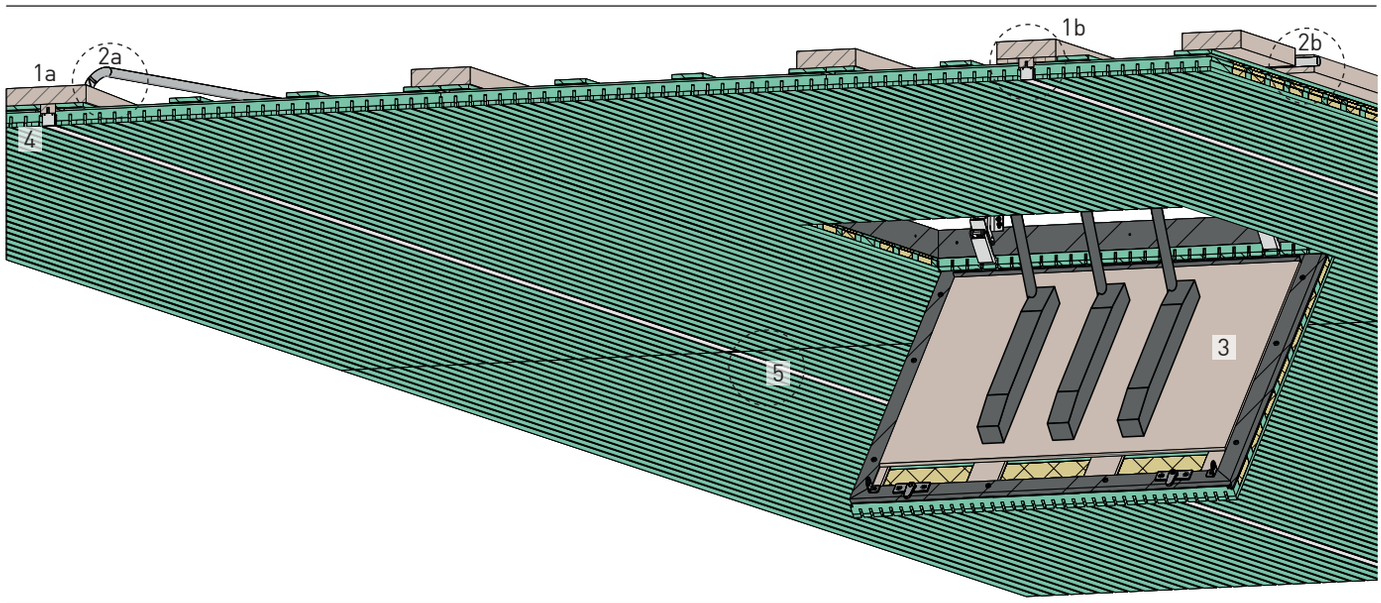
Note: Use heat-resistant adhesive, e.g. D3 or D4 white glue, temperature resistance up to max. 80°C

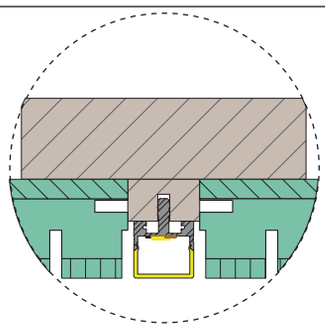


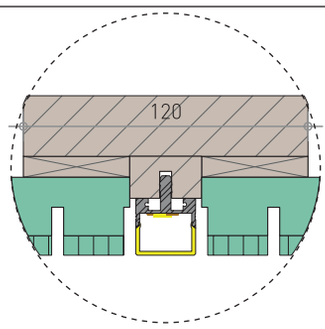
Installation notes

Detail 1	Position the LED light strip for LIGNO® Acoustic at the longitudinal joint, or adjust the substructure accordingly.
Detail 2	Drill the cable routing hole using a min. 14 mm wood drill bit through the plug-in rail groove and substructure. For a directly mounted substructure, the substructure must be interrupted at the cable outlet.
Detail 3	Plan for an access panel for the converter (installation instructions available). The position of the access panel and converter must be chosen so that the maximum cable length of 10 m between converter and light strip is not exceeded.
Detail 4	Installation clearance at the end face (1-4 mm) to allow for heat-related expansion of the LED light strip.
Detail 5	Apply heat-resistant adhesive (D3 or D4) at points on the plug-in rib of the LED light strip at a spacing of approx. 500 mm.
Detail 6	For subsequent installation of the LED light strip, use a heat-resistant adhesive at points, e.g. D3 or D4 white glue (temperature resistance up to max. 80 °C). Apply the adhesive at a spacing of approx. 500 mm in the joint on the rail side.

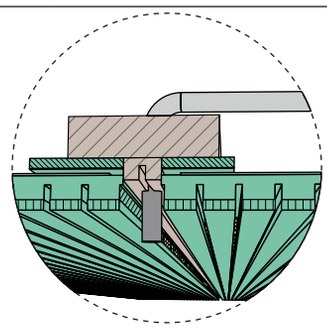
Note: With surface treatment lacquer **_bl-w20**, the LED light strips are barely visible when switched off.

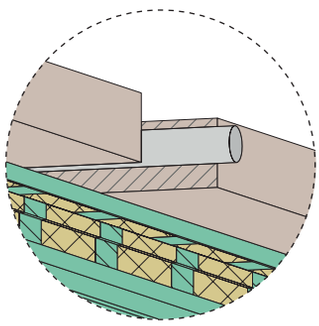


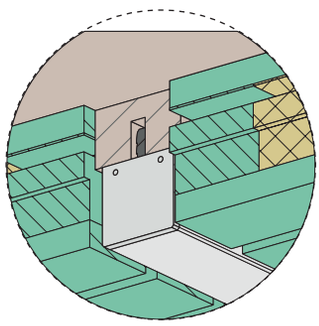

Detail 1a

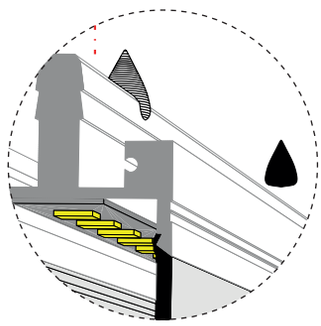


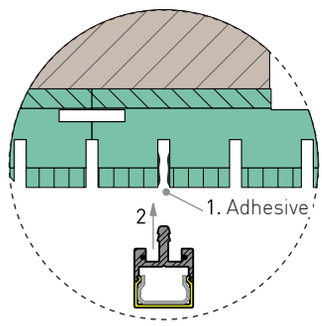
Detail 1b


Detail 2a


Detail 2b

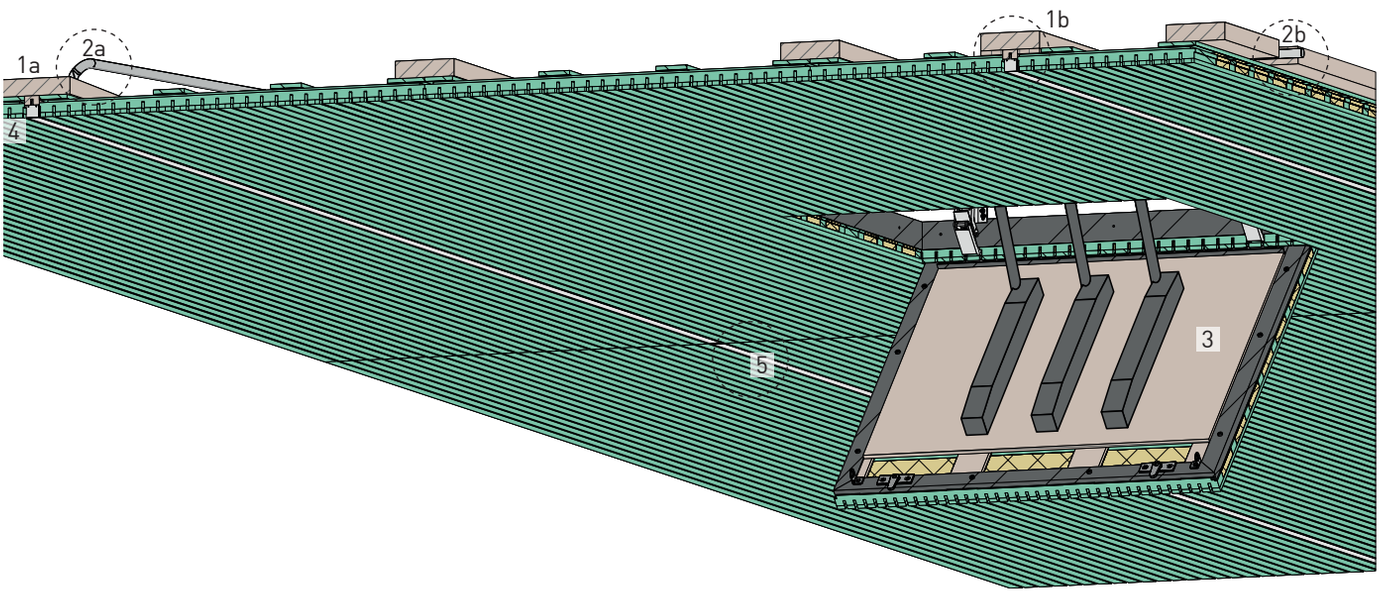

Detail 4


Detail 5



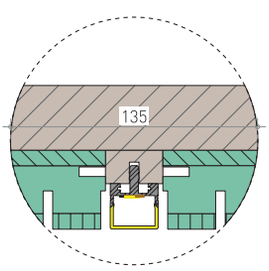
Detail 6

Planning tips

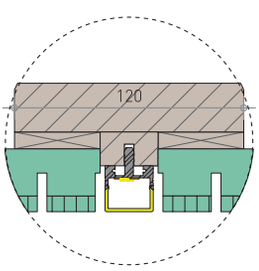


Tip 1:

Position the LED light strip for LIGNO® Acoustic at the longitudinal joint (use a substructure board 135 mm wide, see Detail 1a), or position it between the slats (adjust the substructure accordingly, see Detail 1b)



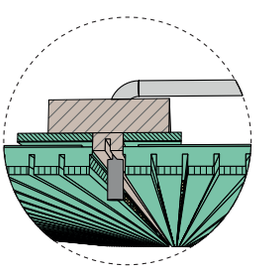
Detail 1a



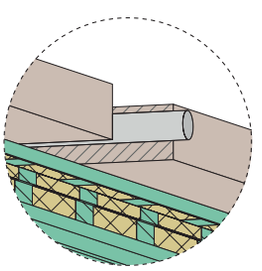
Detail 1b

Tip 2:

Drill the cable routing hole using a min. 14 mm wood drill bit through the plug-in rail, groove and substructure. For a directly mounted substructure, the substructure must be interrupted at the cable outlet.



Detail 2a



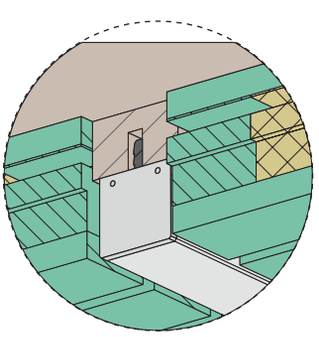
Detail 2b

Tip 3:

Plan for an access panel for the converter (installation instructions available). Position the access panel and converter so that the max. cable length of 10 m between converter and light strip is not exceeded.

Tip 4:

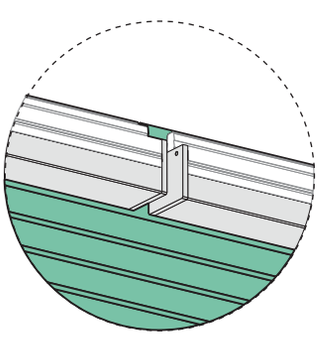
Provide an installation clearance of 1-4 mm at the end face to allow for heat-related linear expansion of the LED light strip.



Detail 4

Tip 5:

Transparent end caps are available at the joints for longer LED light strips.

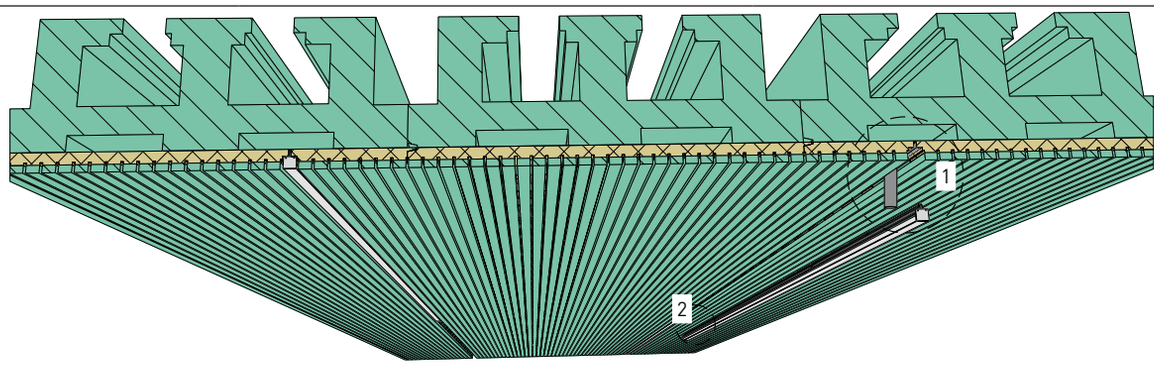


Detail 5

Tip 6:

With surface treatments using lacquer **_bl-w20**, the LED light strips are barely visible when switched off.

Planning and installation tips for load-bearing elements

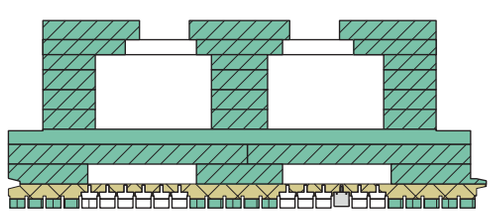


Tip 1:

Position the transformer behind access openings in the ceiling or wall.

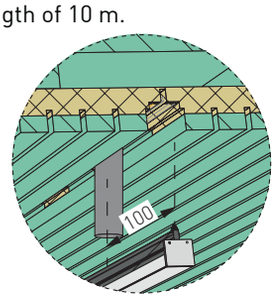
Tip 2:

Position the LED light strip for LIGNO® Acoustic below the cavity.



Tip 3:

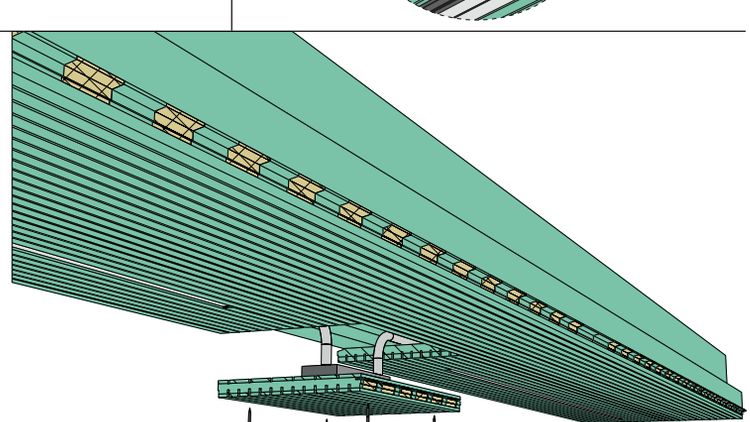
Plan the position of the borehole for the cable routing. Distance between borehole and LED light strip: 100 mm; observe the maximum cable length of 10 m.



Tip 4:

When positioning the access panels, plan for the maximum cable length of 10 m from the converter to the LED light strip. Use Acoustic light 3G as the material for the access panel and screw it securely to the element using fully threaded wood screws 3.5 x 40 mm from Spax/Heco.

Note: The transverse layers of the load-bearing elements differ visually from those of the Acoustic light elements.

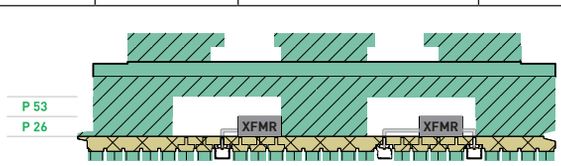


Tip 5:

Plus-layer height varies by transformer type.

Converter/transformer: standard LED light strip for LIGNO® Acoustic

Type	Power	Dimension (L x W x H)	Elements with
OSRAM OT SLIM	30 W	270 x 30 x 17,5 mm	Plus-layer 26
OSRAM OT SLIM	60 W	338 x 30 x 17,5 mm	Plus-layer 26
OSRAM OT SLIM	100 W	374 x 30 x 18,5 mm	Plus-layer 26
OSRAM OT SLIM	160 W	404 x 30 x 21,5 mm	Plus-layer 26
OSRAM DALI OTI	50 W	346 x 32 x 22 mm	Plus-layer 26
OSRAM DALI OTI	80 W	346 x 32 x 22 mm	Plus-layer 26
OSRAM DALI OTI	160 W	300 x 50 x 35 mm	Plus-layer 53

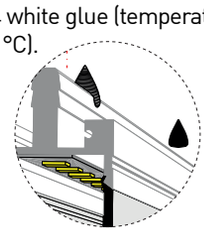


Installation:

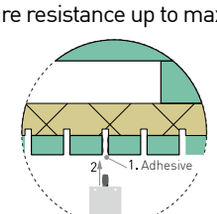
Detail 1 Flush-mounted installation: Apply adhesive at points to the LED light strip at a spacing of approx. 500 mm on the plug-in rib. Press the LED light strip for LIGNO® Acoustic flush into the groove.

Detail 2 Surface-mounted installation: Apply the adhesive at a spacing of approx. 500 mm in the joint on the rail side.

Note: Use a heat-resistant adhesive, e.g. D3 or D4 white glue (temperature resistance up to max. 80 °C).



Detail 1



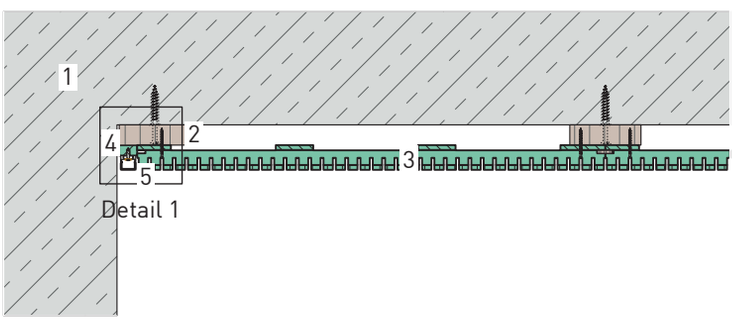
Detail 2

Installation variants of the LED light strip for LIGNO® Acoustic

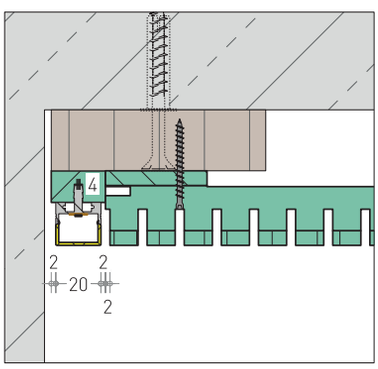
Ceiling structure

1	Existing ceiling / existing wall	5	LED light strip for LIGNO® Acoustic
2	Substructure made of multi-layer board strips	6	LIGNO® edge strip
3	LIGNO® Acoustic panel	7	Adjusting screw, e.g. JAMO adjusting screw wood/concrete from Würth
4	LIGNO® plug-in rail for LED light strip	8	Converter for LED light strip

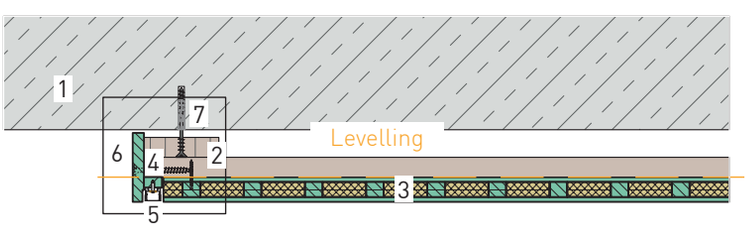
Vertical section:



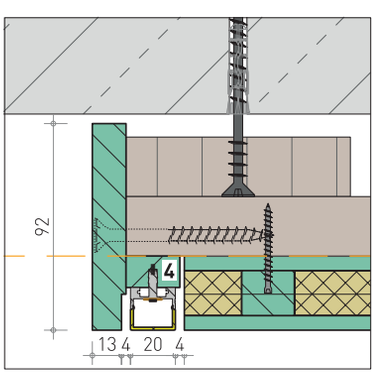
Detail 1



Detail 1
Scale 1:3

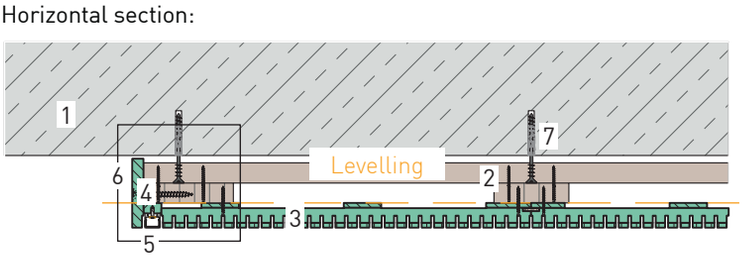


Detail 2

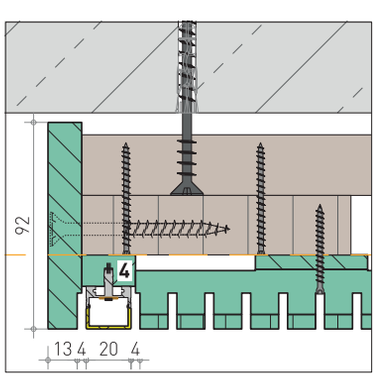


Detail 2
Scale 1:3

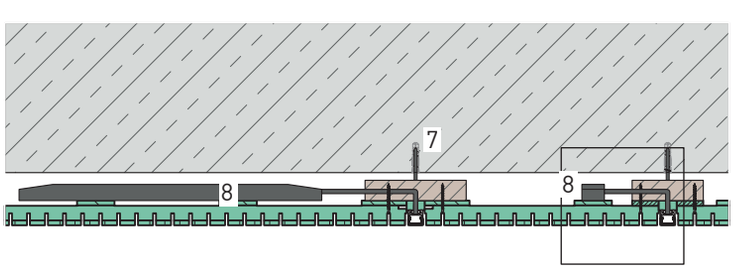
Horizontal section:



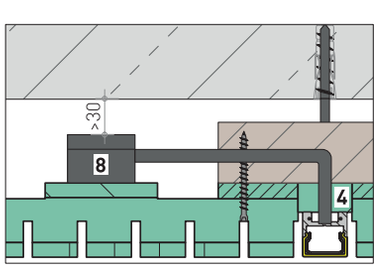
Detail 3



Detail 3
Scale 1:3



Detail 4



Detail 4
Scale 1:3

Note:

The installation space for the converter is variable and is determined by the lighting designer on a project-specific basis.
The maximum permissible ambient temperature of the converter must not be exceeded.

Checklist

Material for installation	
Installation adhesive	For spot bonding of the loose tongue and light strip
Tools	
Jigsaw / mitre saw	For cutting the plug-in rail and filler strip to length
Cordless screwdriver	With bit holder
Screws	For installing the plug-in rail
Tapping block (protective wood) for hammer	A tapping block can be used together with a hammer to carefully insert the light strip into the groove of the plug-in rail, if weather-related swelling and shrinkage make insertion by hand difficult.
Oscillating saw	An oscillating saw is well suited for reworking corners, as it allows precise and controlled cuts, especially in hard-to-reach or tight areas.
Chisel	A chisel is ideal for finishing work, particularly for the precise shaping and smoothing of corners, edges and joints in the wood.
Forstner bit / auger bit 14 mm width	Drill bit for the supply cable borehole to the light strip.
One-hand ceiling prop	A ceiling prop can be used as an installation aid to hold the light strip in position and press it evenly against the ceiling.
Sandpaper / brush	For touching up soiling and reapplying sanded-off UV protection stain.

Tender texts

Detailed tender texts for all Lignotrend elements, with templates for planning, delivery and installation, cutting and pre-assembly, are available in digital form (in GAEB, RTF or PDF format) online at ▶ **www.lignotrend.com**.

Your Lignotrend specialist advisor will provide bill of quantities (BoQ) texts for your individual configuration on request.

Installation / processing notes

The explanations described below must be strictly observed during installation.
Please also pass these notes on to your customers, the client, or subsequent trades where applicable!

Warranty

In the event of a justified complaint regarding defects, this must be notified to us in writing without delay. Upon request, goods that are the subject of a complaint must be returned to us for inspection using a return slip. We expressly point out that our products may only be installed by qualified, trained personnel. We exclude liability for consequential damage to persons or property. We provide remedy within the scope of statutory provisions (replacement, rescission or price reduction). Our warranty excludes those parts whose normal life expectancy, due to their function, is shorter than the statutory warranty period. Light sources are generally excluded from the warranty. Defects resulting from interventions or modifications by third parties to goods supplied by us, or from improper use or improper installation, are not covered by any warranty.

Within the scope of our business dealings and our capabilities, we provide technical information, suggestions and advice free of additional charge. Such information, advice and consultation are provided in all cases to the exclusion of any obligation or liability. Our warranty covers either free-of-charge repair, free-of-charge replacement, or credit note for the products. The customer bears the costs for removal and reinstallation. Likewise, all further costs for failures, damage and other consequential costs are excluded from this warranty. We must be given the opportunity to remedy the defect (subsequent performance) within a reasonable period. (In this context, the usual delivery times of upstream suppliers and the usual production and delivery periods must be taken into account.) In the event of a defect or warranty claim, the purchaser may withhold reasonable payments. (Reasonable here means the maximum payment value of the goods in question.)

Goods receiving

Incoming inspection		
Package undamaged?		Please check immediately upon receipt and contact Lignotrend in case of any discrepancies: Tel. +49 (0) 7755-9200-0.
Scope of delivery (panels, accessories) correct?		
Wood moisture 9 ± 2 % ?		

Date / Name / Signature

Lagerung

Original packaging: Storing the product in its original packaging protects it against dust, moisture and mechanical damage.
Temperature: Lamps should be stored in a dry, well-ventilated room at moderate temperatures.
Extreme temperatures can impair performance. **Store only in dry, enclosed buildings!**

Processing

Careful handling: Handle lamps carefully to avoid breakage or damage.
Protective measures Measures must be taken to protect against fingerprints, stains or damage.

Occupational safety is of utmost priority - therefore take standard construction safety precautions during installation!

Disposal

In fulfilment of the statutory product take-back obligation, the supplier is registered with the Elektro-Altgeräte Register (EAR) under registration no. DE 32161182. take-e-way GmbH, Hamburg, has been commissioned with the disposal of luminaires, lamps and lighting-related accessories. Delivery addresses can be found on the website of the supplier or of the disposal company, **www.take-e-way.de**. Any costs associated with delivery are borne exclusively by the purchaser.

Professional advisory

Do you have questions about planning, tendering or installation? Would you like a sample?
Do you need an individual quotation? Contact the regional specialist advisor near you:
www.lignotrend.com/consulting