



## LMD-E 210

### Hook-On Ceiling with Butt Joints

The economical Hook-On ceiling LMD-E 210 is based on a concealed basic construction with low construction height. The design of the short sides of the panel and the construction of the profile automatically ensure joint alignment during installation. This creates a homogeneous ceiling surface with continuous butt joints. For maintenance works, all ceiling panels can individually be removed without the need for any tools.

- homogeneous ceiling surface due to concealed substructure
- ceiling layout with continuous butt joints
- automatic joint alignment thanks to self-adjusting ceiling panels
- space-saving ceiling system with low construction height
- easy maintenance option due to ceiling panels that can be individually operated without tools
- cost-effective ceiling system as economic solution
- hygienic and easy to clean

#### Examples for areas of application

**Businesses, Recreation and Culture:** Banks, Places of Assembly, Cinema and multiplex cinemas, Museums and Exhibitions, Public Swimming Pools, Sales Areas, Shopping Centres

**Work:** Facilities for Meetings, Conventions and Conferences, Office buildings, Common Rooms, Assembly Rooms

**Education:** Library, Research Rooms, Higher education institutions and universities, Schools

**Healthcare:** Pharmacies (Production), Clinics and Hospitals, Laboratories and Research Facilities

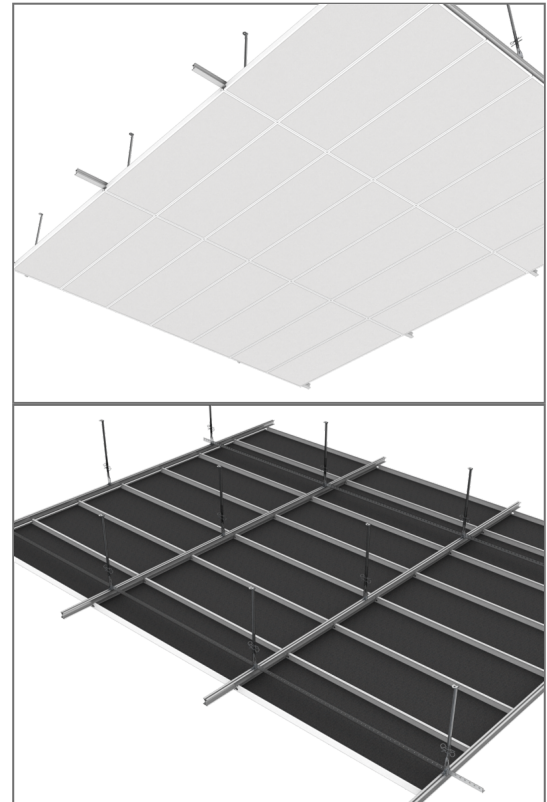
**Public Institutions:** Courts and prisons, Government and municipal buildings

**Industry:** Laboratories and Research Facilities, Factories and production facilities

**Transport:** Train Stations, Airports

**Hotels and Gastronomy:** Hotels and Resorts

**Public Areas:** Entrance Areas

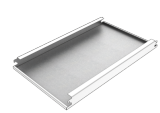
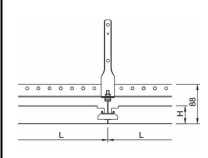


**TAIM**



### Ceiling elements

#### LMD-E 210 Typ 1

Hook-On		 	
Length (L)	250 - 2000 mm   250 - 2500 mm		
Width (B)	200 - 625 mm   200 - 400 mm		
Height (H)	40 mm		
Joint width (F)	Butt joint		



## Technical details

### Technical Details

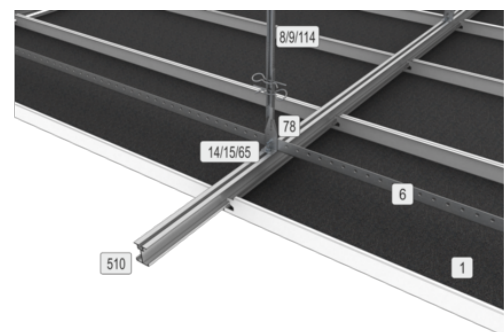
Material	galvanised sheet steel
Serviceability	removable without tools
Possible wall connections	L-angle shadow gap trim
Weight	8 - 10 kg/m <sup>2</sup>

Notice: Weight without fixtures/installations

## Component list

### Bauteile

1	ceiling panel
6	L-profile 28
8/9/114	vernier suspension
14/15/65	screwing
78	self-drilling screw hexagon head with flange
510	T-hook-on profile 38



## Acoustics

### Room acoustics

Sound absorber class	ISO 11654		E - A
Noise Reduction Coefficient	ASTM C 423	NRC	0.15 - 0.95
Evaluated Sound Absorption Coeff.	ISO 11654	$\alpha_w$	0.15 - 1.00

## Fire protection

### Building material class

Building material class	EN 13501-1	A2 - s1,d0
Building material class	ASTM E 84	class A

## Durability

### Durability

Exposure class	EN 13964	A
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## Sustainability

### Declarations

EPD (Environmental Product Declaration)	The product has a verified EPD in compliance with the applicable standards. ( ISO 14025/EN 15804)
Circular Economy	Cradle to Cradle Certified® Gold
French VOC Regulation	Emission class A+
Product Self-Declaration	A self-declaration in accordance with ISO 14021 is available. This contains extensive environmental information for planning, tenders and building certifications (LEED, DGNB, EU taxonomy).

### Key figures

Recycled content	24.40 %
Indoor air measurement EN 16516 options	< 5 µg/m³
Formaldehyde emissions	< 3 µg/m³

### Evidence

Indoor Air Comfort	Accomplished
Indoor Air Comfort Gold	Accomplished
AgBB	Accomplished
BREEAM International	Conform
LEED v4	Conform
DGNB	Conform

### Green Level Certificate

Outstanding 

**Circularity:** All components can be reused/ refurbished

**Life Cycle Assessment:** EPD according to ISO 14025 and EN 15804

**Cradle to Cradle Certified®:** C2C Certified® Gold

## Surfaces

### Surfaces

Powder coatings	COLOURline - Powder Coating MOODline - Powder Coating Deep Matt ARTline - Decorative Powder Coating GRAPHICline - Digital Print
Perforations	BASICline - Standard Perforations REGULARline - Further Perforations SPREADline - Scattered Perforations
Functional coatings	Meteo - Corrosion Protection Coating



## Additional equipment

### Additional equipment

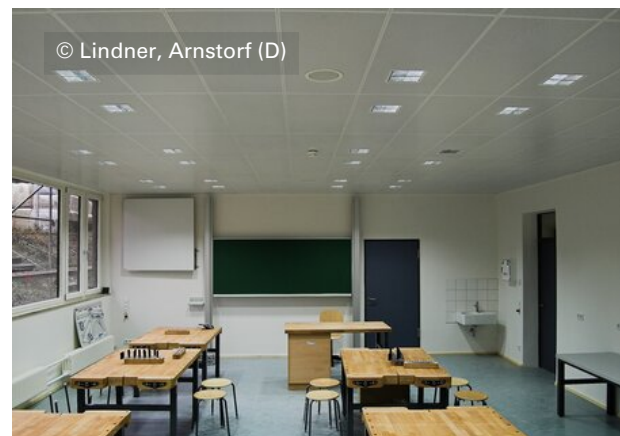
Acoustic inlays	Acustica - Acoustic fabric inlay Insula - Mineral wool inlay in acoustic foil Calma - Glass yarn inlay in textile cover
Luminaires	IS 17 - Integrated luminaire for general areas IS 22 - Integrated luminaire for monitor workstations IS 450 - Integrated luminaire for office and general areas LK 73 - Light channel QZI - Recessed luminaire for metal ceilings DPL - Integrated luminaire for post cap ceilings
Heating and cooling function	System with integrated heating and cooling technology available: Plafotherm® E 210 - Heated and Chilled Hook-On Ceiling with Butt Joints

## Certification

### Certificates

CE marking	The ceiling system is a harmonised construction product acc. to regulation (EU) No. 305/2011 (Construction Products Regulation) and EN 13964: Suspended ceilings - Requirements and test methods.
TAIM e.V.	The ceiling system fulfils the requirements of the "Technical Manual Metal Ceilings" (TMMC) of TAIM e.V. (Association of Industrial Metal Ceiling Manufacturers).

## Applications



## Project solutions

This product data sheet refers to the standard version of the product mentioned above. We would be happy to work with you to find the right solution for your project. Adapted to your building project, you will receive a perfectly matched system. Project-specific constructions and adaptations can be found in the offer documents.