



## LMD-B 100

### Linear Post Cap Ceiling

The system LMD-B 100 features visible Post Cap profiles in linear arrangement. If necessary, partitions can be fastened to Post Cap profiles to individually divide your rooms. The striking profiles can be used for technical installations and can easily be adapted to building shapes by means of a radial arrangement. This Post Cap ceiling is a space-saving and cost-effective system. Depending on the need for inspection, Lay-In and Swing-Down type ceiling panels are available and can be combined.

- visible linear Post Caps as design elements
- individual room layout thanks to the possibility to fasten partitions to Post Caps
- Post Caps can be used for technical installations or luminaires
- space-saving ceiling system with low construction height
- round, curved building shapes can be realised thanks to radially installed Post Caps and trapezoidal ceiling panels
- easy maintenance option due to ceiling panels that can be individually operated, swung down and slid
- cost-effective ceiling system as economic solution
- hygienic and easy to clean

#### Examples for areas of application

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

**Businesses, Recreation and Culture:** Banks, Places of Assembly, Cinema and multiplex cinemas, Stadiums and arenas

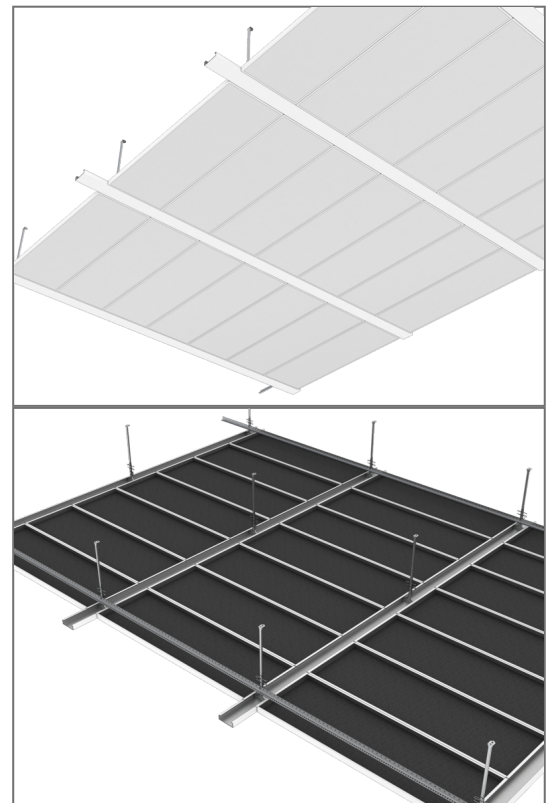
**Public Institutions:** Courts and prisons, Government and municipal buildings

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

**Transport:** Airports, Train Stations

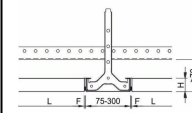
**Hotels and Gastronomy:** Gastronomy, Hotels and Resorts

**Industry:** Factories and production facilities



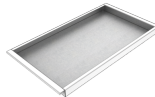
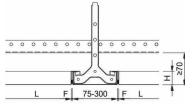
### Ceiling elements

#### LMD-B 100 Typ 1

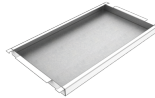
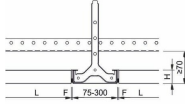
Lay-In		 	
Length (L)	250 - 3300 mm		
Width (B)	200 - 1250 mm		
Height (H)	30 mm, 40 mm, 50 mm		
Joint width (F)	Butt joint, 1 mm, 3 mm, 5 mm		

#### LMD-B 100 Typ 2


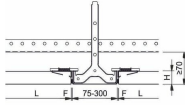


Lay-In with Hook-on edge			
Length (L)	250 - 3300 mm		
Width (B)	200 - 1250 mm		
Height (H)	30 mm, 40 mm, 50 mm		
Joint width (F)	Butt joint, 1 mm, 3 mm, 5 mm		


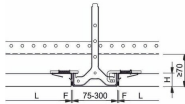
#### LMD-B 100 Typ 3

Lay-In with Hook-On notch			
Length (L)	250 - 3300 mm		
Width (B)	200 - 1250 mm		
Height (H)	30 mm, 40 mm, 50 mm		
Joint width (F)	3 mm		

#### LMD-B 100 Typ 4

Lay-In, Swing-Down and slide option on longitudinal side			
Length (L)	250 - 2200 mm   2201 - 3000 mm		
Width (B)	200 - 1250 mm   200 - 625 mm		
Height (H)	30 mm, 50 mm		
Joint width (F)	3 mm		

#### LMD-B 100 Typ 6

Lay-In, Swing-Down and slide option on short side			
Length (L)	250 - 2200 mm   2201 - 3000 mm		
Width (B)	200 - 1250 mm   200 - 625 mm		
Height (H)	30 mm, 50 mm		
Joint width (F)	3 mm		

## Technical details

### Technical Details

Material	galvanised sheet steel
Serviceability	swing-down and slide option removable without tools
Possible wall connections	L-angle shadow gap trim open wall connection
Weight	8 - 10 kg/m <sup>2</sup>

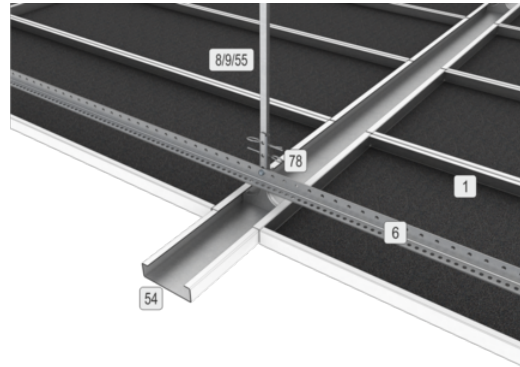
Notice: Weight without fixtures/installations

## Component list

### Bauteile



1	ceiling panel
6	L-profile 28
8/9/55	vernier suspension
54	C-post cap profile
78	self-drilling screw hexagon head with flange



## 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

### Fire stability

Fire stability	NBN 713.020	45 minutes
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## Safety

### Security

Blast pressure	63 kPa
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## 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).
<b>Key figures</b>	
Recycled content	24.40 %
Indoor air measurement EN 16516 options	< 5 µg/m³
Formaldehyde emissions	< 3 µg/m³
<b>Evidence</b>	
Indoor Air Comfort	Accomplished
Indoor Air Comfort Gold	Accomplished
AgBB	Accomplished
BREEAM International	Conform
LEED v4	Conform
DGNB	Conform
Green Level Certificate	<div>Outstanding </div> <p><b>Circularity:</b> All components can be reused/ refurbished</p> <p><b>Life Cycle Assessment:</b> EPD according to ISO 14025 and EN 15804</p> <p><b>Cradle to Cradle Certified®:</b> C2C Certified® Gold</p>

## 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
Ventilation components	AirBox S - Supply air elements AirBox E - Exhaust air elements AirBeam Basic - Standard Heated/Chilled Beam



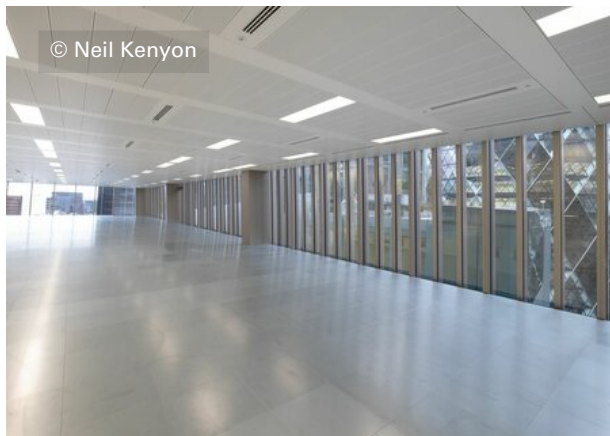
	AirBeam Discreet - Discreet Heated/Chilled Beam
Luminaires	<p>IS 17 - Integrated luminaire for general areas</p> <p>IS 22 - Integrated luminaire for monitor workstations</p> <p>IS 450 - Integrated luminaire for office and general areas</p> <p>LK 73 - Light channel</p> <p>QZI - Recessed luminaire for metal ceilings</p> <p>BREL 100 - Post Cap Spare Light</p> <p>LK 100 - post cap luminaire</p> <p>DPL - Integrated luminaire for post cap ceilings</p>
Heating and cooling function	<p>System with integrated heating and cooling technology available:</p> <p>Plafotherm® B 100 - Linear Heated and Chilled Post Cap Ceiling</p>
Longitudinal sound reduction	<p>System with tested longitudinal sound reduction is available:</p> <p>LMD-B 100 SD - Linear Post Cap Ceiling, Longitudinally Sound-Reduced</p>

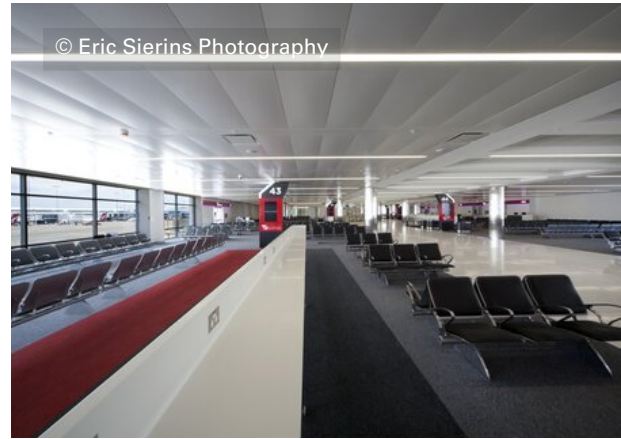
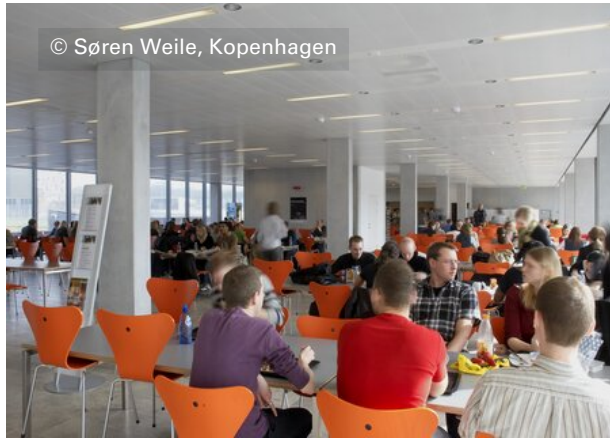
## Certification

### 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.