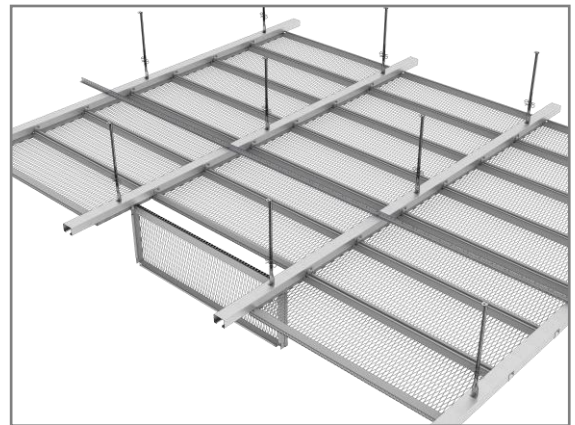
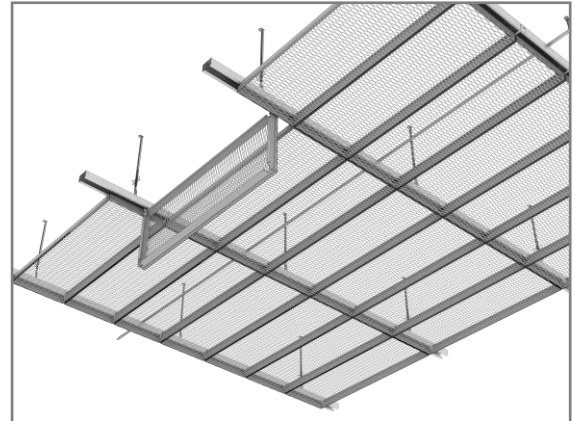


The system LMD-St 213 impresses with design freedom and ease of maintenance. Diverse mesh types, shapes and sizes are available. The ceiling panels can be removed – a combination with Swing-Down ceiling panels is also possible. Create visual highlights with accentuated joints up to 30 mm, or expanded ceiling panels with backlighting.

- + homogeneous ceiling surface due to concealed substructure
- + many design possibilities thanks to different mesh types, shapes and sizes
- + the possibility to see – to a greater or lesser extent – into the ceiling void depends on the mesh or the requirement
- + installation of illumination or further fixtures in the ceiling void is possible in case of a high open area
- + ceiling layout with accentuated joints in both directions possible
- + easy maintenance option due to ceiling panels that can be individually operated, swung down and slid without tools



APPLICATIONS

Recreation and Culture: Museums, Places of Assembly, Public Swimming Pools, Sales Areas, Shopping Centres, Stadiums, Banks, Cinemas and Theatres
Workplace: Assembly Rooms, Common Rooms, Facilities for Meetings, Conventions and Conferences, Offices
Transport: Airports, Train Stations
Public Institutions: Court Houses, Government Buildings
Education: Library Rooms
Public Areas: Entrance Areas
Hotels and Gastronomy: Hotels and Resorts

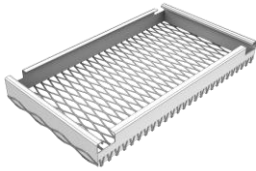
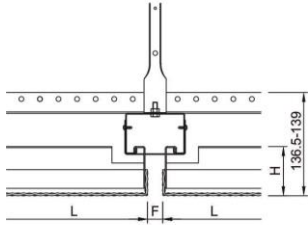

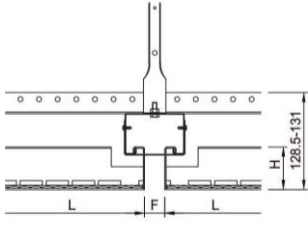

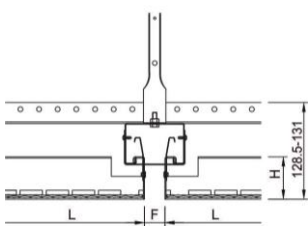
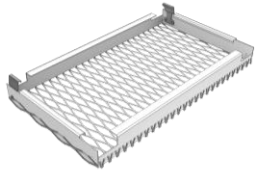
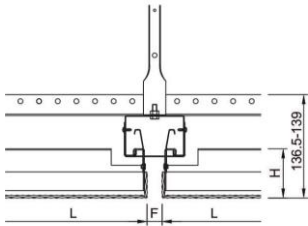

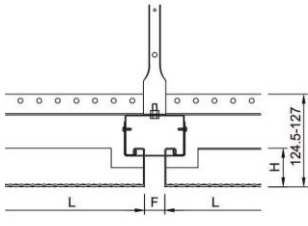

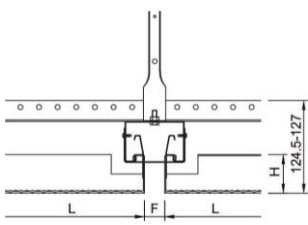
REQUIREMENTS

Design: Perforation, Powder Coating, Steel
Corrosion Protection: Interiors, Wet Areas
Acoustics: Room Acoustics
Fire Protection: Fire Behaviour / Building Material Class
Sustainability: Environmental Product Declaration
Statics: Seismic Safety





TABLE OF TYPES

LMD-St 213 Type 3			
Hook-On, expanded metal turned up			
Length (L)	250 – 3,000 mm		
Width (B)	200 – 1,250 mm		
Height (H)	63.5 – 66 mm		
Joint width (F)	10, 15, 20, 25, 30 mm		
LMD-St 213 Type 4			
Hook-On, expanded metal bordered			
Length (L)	250 – 3,000 mm		
Width (B)	200 – 1,250 mm		
Height (H)	55.5 – 58 mm		
Joint width (F)	10, 15, 20, 25, 30 mm		
LMD-St 213 Type 5			
Hook-On/Swing-Down, expanded metal bordered			
Length (L)	250 – 3,000 mm		
Width (B)	200 – 1,250 mm		
Height (H)	55.5 – 58 mm		
Joint width (F)	10, 15, 20, 25, 30 mm		
LMD-St 213 Type 6			
Hook-On/Swing-Down, expanded metal turned up			
Length (L)	250 – 3,000 mm		
Width (B)	200 – 1,250 mm		
Height (H)	63.5 – 66 mm		
Joint width (F)	10, 15, 20, 25, 30 mm		
LMD-St 213 Type 8			
Hook-On, expanded metal placed on frame			
Length (L)	250 – 2,000 mm		
Width (B)	200 – 625 mm		
Height (H)	51.5 – 54 mm		
Joint width (F)	10, 15, 20, 25, 30 mm		
LMD-St 213 Type 9			
Hook-On/Swing-Down, expanded metal placed on frame			
Length (L)	250 – 2,000 mm		
Width (B)	200 – 625 mm		
Height (H)	51.5 – 54 mm		
Joint width (F)	10, 15, 20, 25, 30 mm		

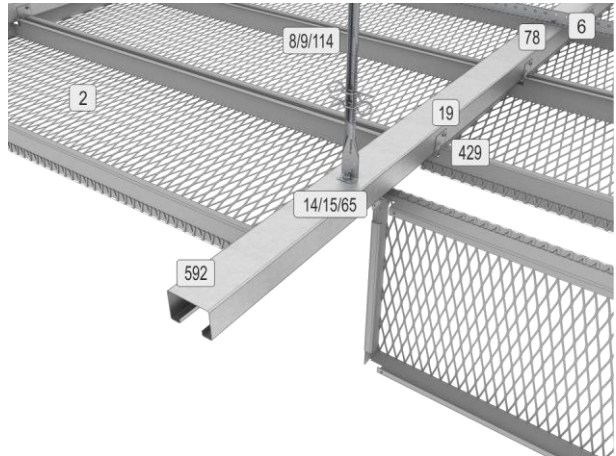


TECHNICAL DATA

Material	galvanised sheet steel
Weight	approx. 16 - 18 kg/m ² (without fixtures/installations)
Serviceability	swing-down and slide option without tools or removable
Wall connection options	L-angle, shadow gap trim, open wall connection



COMPONENT LIST

2	expanded metal ceiling panel	
6	L-profile 28	
8/9/114	vernier suspension	
14/15/65	screwing	
19	self-drilling screw fillister head	
78	self-drilling screw hexagon head with flange	
429	spacer for double hook-on profile 54	
592	double hook-on profile 54	



ACOUSTICS

Room acoustics			
Rated sound absorption coefficient	DIN EN ISO 354	α_w	0.15 – 1.00
Sound absorber class	DIN EN ISO 11654		E - A
Noise Reduction Coefficient	ASTM C 423	NRC	0.15 – 0.90



FIRE PROTECTION

Building material class		
Building material class	DIN EN 13501-1	A2 – s1,d0
Building material class	ASTM E 84	Class A
Fire stability		
Fire stability	EN 13501-2	30 minutes



DURABILITY

Exposure class	DIN EN 13964	A
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SUSTAINABILITY

Product self-declaration	A self-declaration according to ISO 14021 is available. The self-declaration provides extensive information about all environmental effects of the product. It can be used in the planning or tender phase to assess all sustainability-relevant aspects. It serves as a data basis for building certification systems such as LEED, DGNB and BREEAM.
Environmental product declaration	The product has a specific EPD according to the valid standards. (EN 15804/ ISO 14025)
Circular Economy	By implementing the Circular Economy ideology we avoid waste, toxic substances and environmental pollution. The aim is to achieve a technical cycle, which ensures the separation and the complete re-use of all materials.



SURFACES

Powder coatings	COLOURline, MOODline
Expanded metal	MESHdesign, MESHdesign Viva
Functional coatings	Meteo



STATICS

Seismic Safety	qualification according to AC 156/Eurocode/SIA 261
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CERTIFICATION

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).



ADDITIONAL EQUIPMENT

Acoustic inlays	Acustica – Acoustic fabric inlay
Luminaires	LK 73 – Light channel
Inspection hatches	LMD-RK 20 – Inspection hatch expanded metal
Absorbers	Equipped with LMD-Absorber on the rear side, expanded metal ceilings are highly sound-absorbent.
Heating and cooling function	System with integrated heating and cooling technology is available: Plafotherm® St 213
Ball-impact resistance	System with tested ball-impact resistance is available: LMD-St 213 BWS



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.