

The Torsion Spring Ceiling LMD-TS 100 has a homogeneous, closed ceiling surface and is an economic solution. The ceiling panels with pivot-mounted spring-loaded hooks can be opened by means of a dismantling tool. Each ceiling panel can be swung down in either direction.

- + homogeneous ceiling surface due to concealed substructure
- + maintenance option due to ceiling panels that can be individually operated and swung down
- + pivot-mounted spring-loaded hooks enable a swing-down function in either direction of the ceiling panels
- + cost-effective ceiling system as economic solution
- + hygienic and easy to clean

APPLICATIONS

Workplace: Assembly Rooms, Common Rooms, Facilities for Meetings, Conventions and Conferences, Offices, Utility Rooms

Recreation and Culture: Banks, Places of Assembly, Stadiums, Sales Areas, Shopping Centres, Museums

Education: Library Rooms, School, School of Higher Education

Transport: Airports, Train Stations

Hotels and Gastronomy: Commercial Kitchens, Hotels and Resorts, Restaurants and Canteens

Public Institutions: Court Houses, Government Buildings

Healthcare: Pharmacies (Production)

REQUIREMENTS

Design: Digital Print, Perforation, Powder Coating, Steel

Sustainability: Environmental Product Declaration

Acoustics: Room Acoustics

Fire Protection: Fire Behaviour / Building Material Class

Corrosion Protection: Interiors

Statics: Seismic Safety

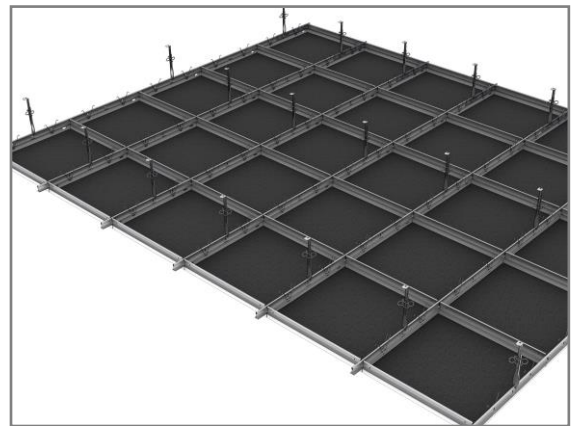
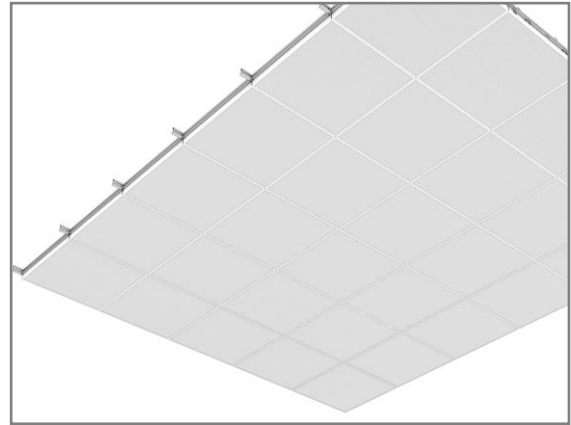
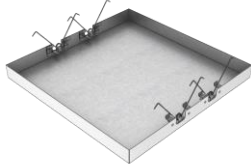
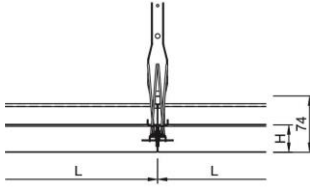

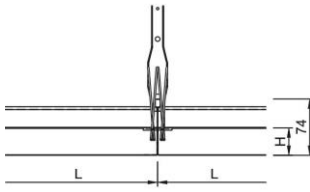




TABLE OF TYPES

LMD-TS 100 Type 1						
Swing-Down, with base body						
Length (L)	600 mm	1.200 mm	625 mm	1,250 mm		
Width (B)	600 mm	600 mm	625 mm	625 mm		
Height (H)	36 mm					
Joint width (F)	butt joint					
LMD-TS 100 Type 2						
Swing-Down, without base body						
Length (L)	600 mm	1.200 mm	625 mm	1,250 mm		
Width (B)	600 mm	600 mm	625 mm	625 mm		
Height (H)	36 mm					
Joint width (F)	butt joint					

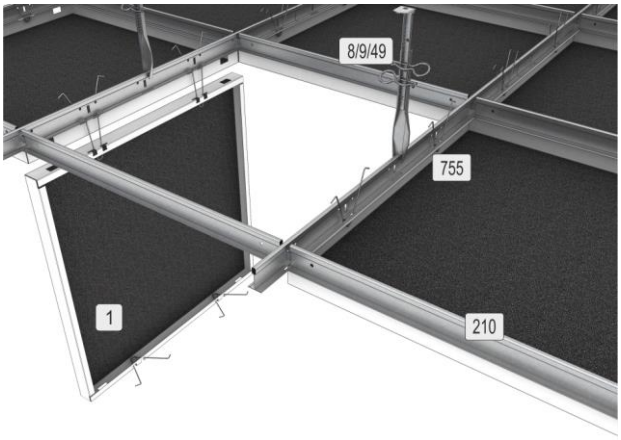


TECHNICAL DATA

Material	galvanised sheet steel
Weight	approx. 8 - 10 kg/m ² (without fixtures/installations)
Serviceability	swing-down option or removable
Wall connection options	L-angle, shadow gap trim



COMPONENT LIST

1	metal ceiling panel	
8/9/49	vernier suspension	
210	T-main runner	
210	T-cross runner	
755	retaining spring	

 **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 – 0.95

 **FIRE PROTECTION**

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

 **DURABILITY**

Exposure class	DIN EN 13964	A
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 **SUSTAINABILITY**

Product self-declaration	A Self-declaration can be provided in compliance with the applicable standard. 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, ARTline, GRAPHICline
Perforations	BASICline, REGULARline, SPREADline

 **STATICS**

Seismic Safety	an earthquake-proof construction is possible
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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 Insula – Mineral wool inlay in acoustic foil
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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.