

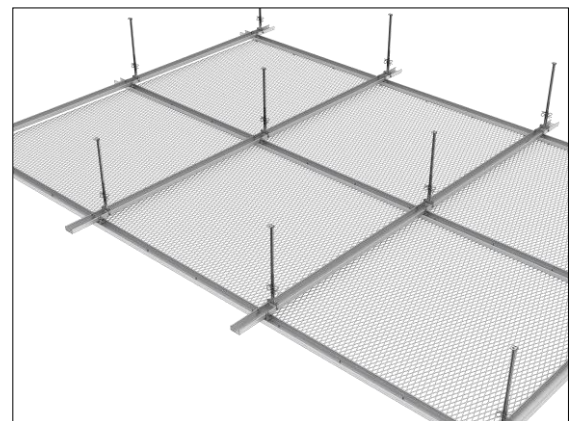
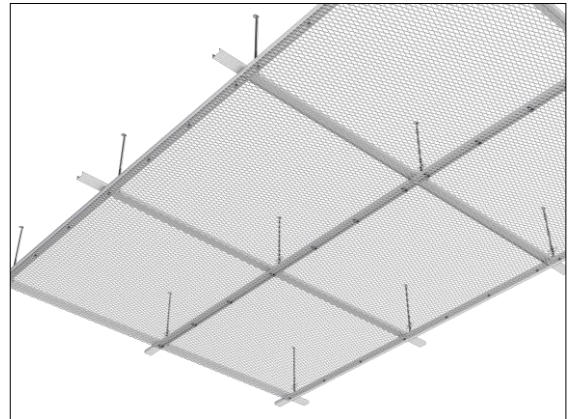


## LMD-St 700 BWS

### Expanded metal ceiling directly fixed, ball-impact resistant

When installed, the system with tested ball-impact resistance creates an almost seamless appearance. The expanded metal is directly screwed to the suspension channels. A large number of expanded metal meshes is available and offers many design options. If a clear view into the ceiling void is required, meshes with high open areas are available. In this case, fixtures can also be installed in the ceiling void.

- expanded metal ceiling with tested ball-impact resistance inclusive integrated luminaire
- homogeneous ceiling surface due to concealed substructure
- many design possibilities thanks to different tested mesh types 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 elements

<b>LMD-St 700 BWS Type 1</b> <b>diamond mesh 42 x 16 x 3.0 x 2.0</b>			
Length (L)	256 - 2,976 mm		
Width (B)	210 - 1,470 mm		
Height (H)	6 mm		
Joint width (F)	10 mm		
<b>LMD-St 700 BWS Type 2</b> <b>diamond mesh 50 x 25 x 3.0 x 2.0</b>			
Length (L)	250 - 2,975 mm		
Width (B)	200 - 1,450 mm		
Height (H)	6 mm		
Joint width (F)	10 mm		
<b>LMD-St 700 BWS Type 3</b> <b>diamond mesh 62 x 23 x 3.0 x 2.5</b>			
Length (L)	253 - 2,990 mm		
Width (B)	248 - 1,488 mm		
Height (H)	6 mm		
Joint width (F)	10 mm		
<b>LMD-St 700 BWS Type 4</b> <b>diamond mesh 115 x 40 x 9.0 x 2.0</b>			
Length (L)	280 - 2,960 mm		
Width (B)	230 - 1,380 mm		
Height (H)	18 mm		
Joint width (F)	10 mm		

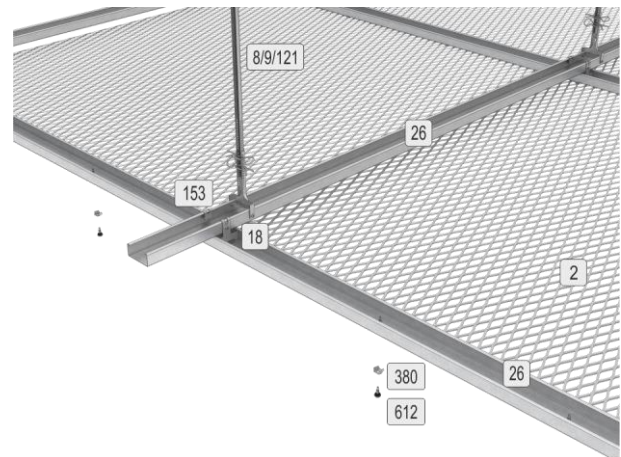


## Technical data

Material	galvanised sheet steel
Weight	approx. 10 - 12 kg/m <sup>2</sup> (without fixtures/installations)
Serviceability	removable, depending on fastener
Wall connection options	L-angle, U-profile

## Component list

2	expanded metal ceiling panel
8/9/121	vernier suspension
18	self-tapping screw trapezoidal head
26	suspension channel 60
153	armature angle for suspension channel 60
380	safety clamp
612	drilling screw
1086	blind rivet nut truss head (optional optional for pos. 612)
1087	hexagonal head screw (optional for pos. 612)



## Acoustics

### Room acoustics

Rated sound absorption coefficient	DIN EN ISO 11654	$\alpha_w$	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

## Durability

Exposure class	DIN EN 13964	A
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## Sustainability

Product self-declaration	Self-declaration according to ISO 14021
Environmental product declaration	EPD according to EN 15804 / ISO 14025
Circular Economy	Cradle to Cradle Certified® Gold
French VOC Regulation	Emission class A+



### Statics

Ball-Impact Resistance	DIN EN 13964 / DIN 18032-2	class 1A / 2A / 3A
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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).	

### Surfaces

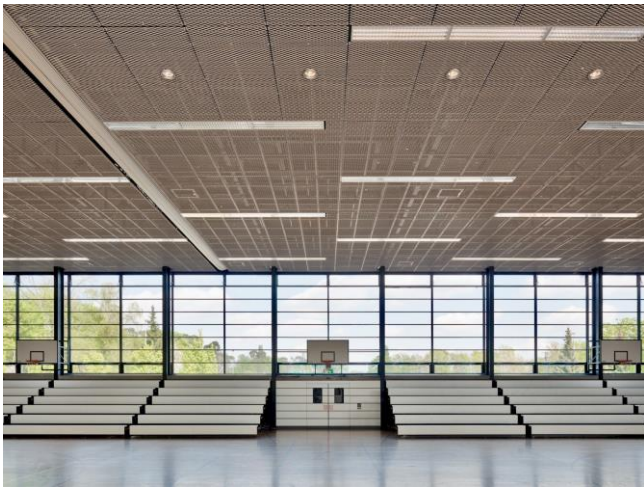
Powder coatings	<u>COLOURline - Powder coating</u> <u>MOODline - Powder coating deep matt</u>	
Expanded metal	<u>MESHdesign - Standard expanded metal</u>	

### Additional equipment

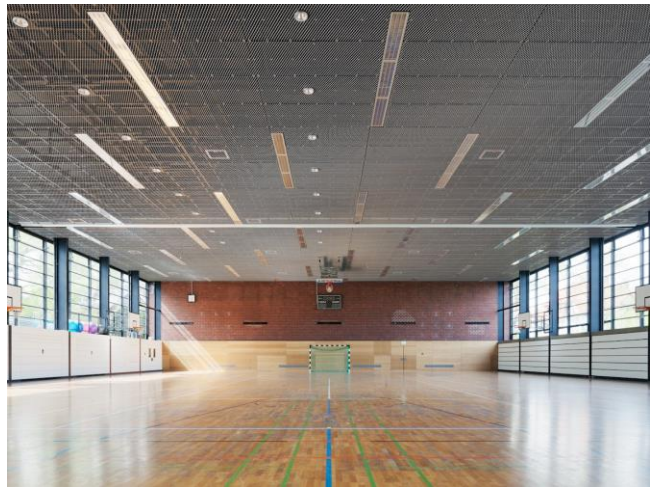
Acoustic inlays	<u>Acustica - Acoustic fabric inlay</u> <u>Calma - Glass yarn inlay in textile cover</u>	
Luminaires	<u>SHL 298 - Recessed/Surface-Mounted Luminaire for sports halls</u> <u>SYS 298 - Recessed/Surface-Mounted Luminaire for sports halls</u>	
Inspection hatches	<u>LMD-RK 20 - Inspection hatch expanded metal</u>	
Absorbers	<u>LMD-Absorber - Type 1   Type 5</u>	



## Application examples



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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.