



LMD-DS 315

Metal canopy ceiling without frame

This canopy ceiling without frame can freely be arranged and offers a multitude of design options. The open construction of the single canopy ceilings allows a view to the concrete ceiling and is an economic solution. The elements can quickly and easily be installed. Each ceiling panel can individually be removed without the need for any tools. An independent installation of luminaires or fixtures is possible between the canopies.

- design freedom thanks to an individual arrangement of canopies and an exposed concrete
- flexible room plannings are possible
- slim, filigree look without circumferential frame
- easy maintenance option due to ceiling panels that can be individually operated without tools
- independent installation of luminaires and fixtures possible between canopy ceilings
- easy and quick installation
- cost-effective canopy ceiling as economic solution
- hygienic and easy to clean





Ceiling elements

LMD-DS 315 Type 1			
Start panel			
Length (L)	500 - 3,500 mm		
Width (B)	200 - 1,250 mm		
Height (H)	50 mm		
Canopy length (SL)	variable		
Canopy width (SB)	500 - 3,500 mm		
LMD-DS 315 Type 2			
Central panel			
Length (L)	500 - 3,500 mm		
Width (B)	200 - 1,250 mm		
Height (H)	50 mm		
Canopy length (SL)	variable		
Canopy width (SB)	500 - 3,500 mm		
LMD-DS 315 Type 3			
End panel			
Length (L)	500 - 3,500 mm		
Width (B)	200 - 1,250 mm		
Height (H)	50 mm		
Canopy length (SL)	variable		
Canopy width (SB)	500 - 3,500 mm		

Technical data

Material	galvanised sheet steel
Weight	approx. 10 - 12 kg/m ² (without fixtures/installations)
Serviceability	removable without tools



Component list

1	ceiling panel
10/15/65	threaded rod suspension
14/65	screwing
1144	U-profile 16/315
1145	Z-hook-on profile 27



Acoustics

Room acoustics

Equivalent sound absorption area per canopy	DIN EN ISO 354		
Rated sound absorption coefficient	DIN EN ISO 11654	α_w	0.15 - 1.00
Sound absorption class	DIN EN ISO 11654		E - A
Noise Reduction Coefficient	ASTM C 423	NRC	0.15 - 1.25
Notice	The evaluation of α_w and NRC can only be carried out in dependence and therefore is only an orientation value.		

Fire Protection

Building material class

Building material class (COLOURline A1)	DIN EN 13501-1	A1
Building material class (COLOURline)	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+



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>COLOURline A1 - Powder coating non-combustible</u> <u>MOODline - Powder coating, deep matt</u> <u>ARTline - Decorative powder coating</u> <u>GRAPHICline - Digital print</u>
Perforation	<u>BASICline - Standard perforations</u> <u>REGULARline - Further perforations</u> <u>SPREADline - Scattered perforations</u>
Design surfaces	<u>TOUCHdesign Lunar – 3D hammered</u>

Additional equipment

Acoustic inlays	<u>Acustica - Acoustic fabric inlay</u> <u>Insula - Mineral wool inlay in acoustic foil</u> <u>Calma - Glass yarn inlay in textile cover</u>
Luminaires	<u>IS 22 - Integrated luminaire for monitor work stations</u> <u>QZI - Integrated luminaire with cell louvres</u>
Heating and cooling function	System with integrated heating and cooling technology is available: <u>Plafotherm® DS 315</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.