

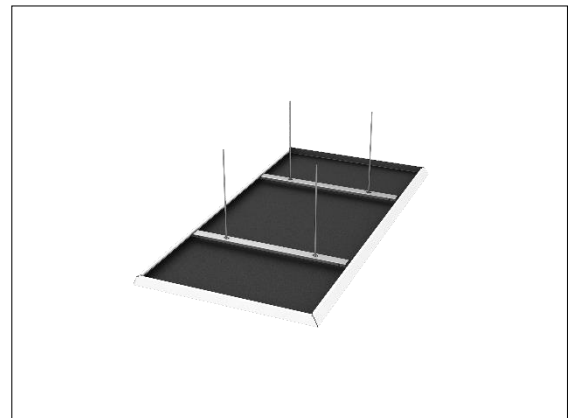
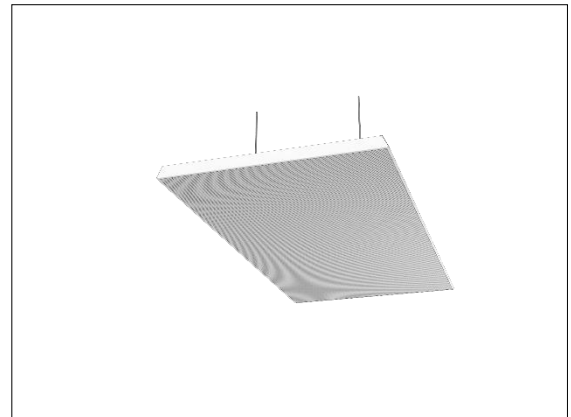


LMD-DS 320

Metal canopy ceiling in filigree optics


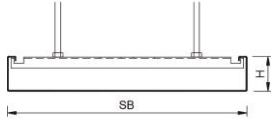

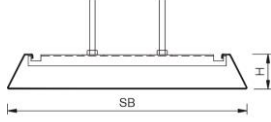

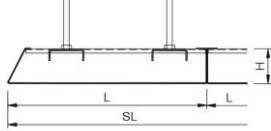

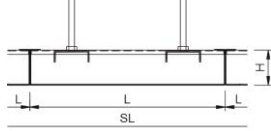
The ceiling panels of the metal canopy ceiling LMD-DS 320 can be operated without tools. The optionally angled edges and the variable arrangement as single module provide for filigree optics. The large-sized ceiling panels allow a view to the exposed concrete. Moreover, this cost-effective ceiling system impresses with an easy and quick installation. Fixtures can independently be installed between the metal canopy ceilings.

- design freedom thanks to an individual arrangement of canopies and an exposed concrete
- flexible room plannings are possible
- large-sized ceiling panels optionally with 90° or 65° turn-up
- 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 320 Type 1 90° turn-up as individual, border or central panel		 
Length (L)	500 - 3,000 mm	
Width (B)	400 - 1,250 mm	
Height (H)	50 mm	
Canopy length (SL)	variable	
Canopy width (SB)	400 - 1,250 mm	
LMD-DS 320 Type 2 65° turn-up as individual panel		 
Length (L)	500 - 3,000 mm	
Width (B)	400 - 1,250 mm	
Height (H)	50 mm	
Canopy length (SL)	variable	
Canopy width (SB)	400 - 1,250 mm	
LMD-DS 320 Type 3 65° turn-up as border panel for extension on short side		 
Length (L)	500 - 3,000 mm	
Width (B)	400 - 1,250 mm	
Height (H)	50 mm	
Canopy length (SL)	variable	
Canopy width (SB)	400 - 1,250 mm	
LMD-DS 320 Type 4 65° turn-up as central panel for extension on short side		 
Length (L)	500 - 3,000 mm	
Width (B)	400 - 1,250 mm	
Height (H)	50 mm	
Canopy length (SL)	variable	
Canopy width (SB)	400 - 1,250 mm	

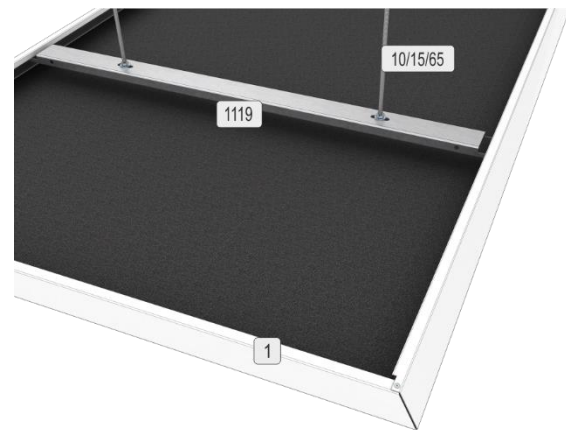


Technical data

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
1119	hook-on profile 16/320



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+

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).

Surfaces

Powder coatings	COLOURline - Powder coating COLOURline A1 - Powder coating non-combustible MOODline - Powder coating, deep matt ARTline - Decorative powder coating GRAPHICline - Digital print
Perforation	BASICline - Standard perforations REGULARline - Further perforations SPREADline - Scattered perforations
Design surfaces	TOUCHdesign Lunar – 3D hammered TOUCHdesign Paper – 3D crease embossing TOUCHdesign Crystal – 3D crystal embossing TOUCHdesign Pixel – 3D square embossing

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
Luminaires	IS 17 - Integrated luminaire for general areas IS 22 - Integrated luminaire for monitor work stations QZI - Integrated luminaire with cell louvres
Heating and cooling function	System with integrated heating and cooling technology is available: Plafotherm® DS 320



Application examples



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.