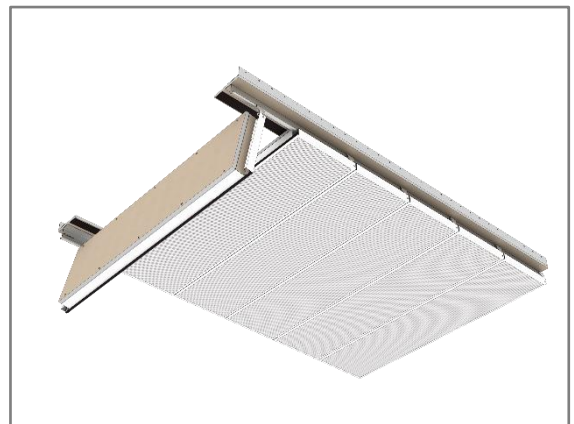


The ceiling elements of this fireproof ceiling can be removed or swung down and slid without the need for any tools. No additional ceiling void is necessary for maintenance works. Moreover, up to three ceiling elements can be moved together to facilitate maintenance works. Tolerances on the wall can be compensated. Lockable elements are available for areas with increased safety requirements.

- + classification reports PK2-07-18-001-D-0, PK2-07-18-004-D-0
- + freely spanned construction
- + good compensation of tolerances on the wall is possible due to an adjustable wall connection
- + maintenance option due to ceiling elements that can be individually operated, swung down and slid without tools
- + swung down ceiling elements can be moved together to receive a large inspection opening (approx. 3,000 x 2,000 mm)
- + no additional ceiling void is necessary for maintenance works
- + hygienic and easy to clean



## APPLICATIONS

**Healthcare:** Clinics and Hospitals, Laboratories

**Workplace:** Data Centres, Utility Rooms

**Public Areas:** Escape Routes

**Education:** Research Rooms

**Industry:** Laboratories and Research Facilities

**Recreation and Culture:** Places of Assembly

**Hotels and Gastronomy:** Hotels and Resorts

**Public Institutions**

## REQUIREMENTS

**Design:** Perforation, Powder Coating, Steel

**Fire Protection:** Fire Behaviour / Building Material Class, Fire Resistance

**Acoustics:** Room Acoustics, Airborne Sound Reduction


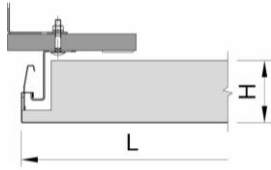

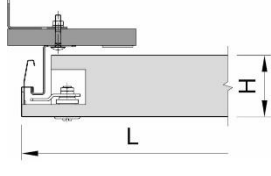

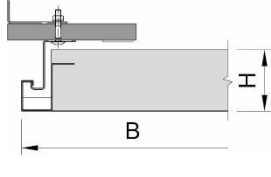
**Corrosion Protection:** Interiors

**Sustainability:** Environmental Product Declaration





## CEILING ELEMENTS

Type	LMD EI30 Type 8.1 EN	 
Description	with mineral wool	
Length (L)	500 – 3,000 mm	
Width (B)	200 – 500 mm	
Height (H)	67.5 mm	
Type	LMD EI30 Type 8.1 locked EN	 
Description	lockable, with mineral wool	
Length (L)	500 – 3,000 mm	
Width (B)	200 – 500 mm	
Height (H)	67.5 mm	
Type	LMD EI30 Type 8.1 3E EN	 
Description	hook-on edge on three sides, with mineral wool	
Length (L)	500 – 3,000 mm	
Width (B)	200 – 500 mm	
Height (H)	67.5 mm	




## TECHNICAL DATA

Material	galvanised sheet steel
Weight	38 – 42 kg/m <sup>2</sup>
Joint width	~ 3 mm
Serviceability	swing-down and slide option or removable without tools
Wall connection options	plasterboard barrier, plasterboard frieze, plasterboard partitions, bracket fastening, massive walls, concrete walls



## COMPONENT LIST

1	metal ceiling element	
16b	U-washer	
22	Z-hook-on profile 54	
150	L-wall profile 43x65	
278b	truss head screw with square neck and nut	
811b	GKF/DF pre-cut 18 mm	
856c	foaming gasket strip	



## ACOUSTICS

Room acoustics			
Rated sound absorption coefficient	DIN EN ISO 354	$\alpha_w$	0.15 – 0.75
Sound absorber class	DIN EN ISO 11654		E - C
Noise Reduction Coefficient	ASTM C 423	NRC	0.15 – 0.80



## FIRE PROTECTION

Building material class		
Building material class	DIN EN 13501-1	A2 – s1,d0
Fire resistance		
Fire resistance	DIN EN 13501-2	EI 30 (a ↔ b)



## 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	A specific EPD for the product can be generated 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

Perforations	BASICline, REGULARline, SPREADline
Powder coatings	COLOURline, MOODline, ARTline, GRAPHICline



#### STATICS

Seismic safety	Qualification according to AC 156/Eurocode/EN 1998-1
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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

Luminaires for metal fireproof ceilings	Perfectly integrated Lindner lighting solutions are available.
Escape sign luminaires	Pictograms for escape routes are available for fastening on metal fireproof ceilings.
Loudspeakers	Low installation loudspeakers, ELA loudspeakers and ELA loudspeakers acc. to EN54 can be integrated.
Protective boxes	Integration of external fixtures possible by means of protective boxes.



#### 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.