

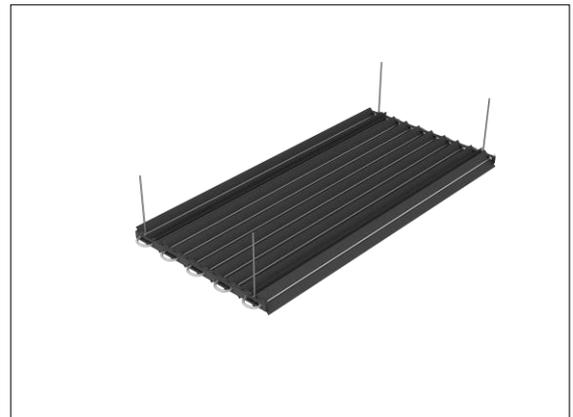
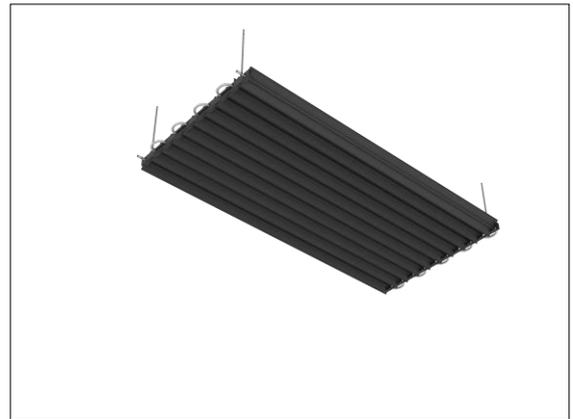


Plafotherm® KN eco Convection Element Economy

Product description

Plafotherm® KN eco in modular construction achieves high cooling capacities and creates a pleasant room climate by means of convection. With its open construction and extensive combination possibilities, this convection element offers a wide variety of designs: it can be installed alone or in combination with different ceiling systems – for example with suspended expanded metal ceilings or baffle ceilings with an open area exceeding 65 % without capacity losses.

- cooling by means of convection creates a pleasant room climate
- high cooling capacity due to the open construction
- versatile design possibilities alone or in combination with other ceiling systems



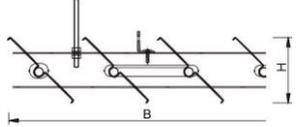
Project solutions

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.



Ceiling elements

Plafotherm® KN eco		 
Length (L)	1,000 - 2,000 mm (in steps of 100 mm)	
Width (B)	370 - 1,170 mm	
Height (H)	96 mm	
Number of bars	4 - 12 bars	

Technical data

Weight	approx. 8 - 9 kg/m ² (without fixtures/installations)
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Component list

10/15/16	threaded rod suspension	
1169	convection element Plafotherm® KN eco	

Durability

Exposure class	DIN EN 13964	A
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HVAC

Heating and cooling

Heating and cooling technology	Plafotherm® V2A	Plafotherm® Cu
Nominal cooling capacity (10 K) according to EN 14240 in relation to the active area	140 W/m ²	143 W/m ²
Nominal heating capacity (15 K) according to EN 14037:2003 in relation to the active area	124 W/m ²	129 W/m ²
Notice	No capacity losses at an open area exceeding 65 %.	



Sustainability

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

Surfaces

Powder coatings	<u>COLOURline – Powder coating</u>
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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

Hydraulic components	<u>Plafotube® MQC – Connecting/Connection hose with MultiQuickConnect Fittings – Distribution system</u>
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