

best climate

Always the best climate for

FLEXIBILITY AND EFFICIENCY

Zehnder ZFP radiant ceiling panels

A multitude of options with the new Zehnder ZFP radiant ceiling panel

Bespoke solutions

The modular design adds flexibility to customised heating and cooling solutions

Long service life

The galvanised components provide protection and enable optimum cooling

Lower installation costs

The construction is highly stable, even with large distances between mounting points

Simple and safe installation

Light weight minimises roof load

Refined design

The thin tube diameter gives the radiant panel system an attractive look

Efficient heating and cooling

The radiant panel's optimum heat distribution increases its efficiency

High performance

The radiant panel system's small tube diameter and low tube spacing make it suitable for low system temperatures

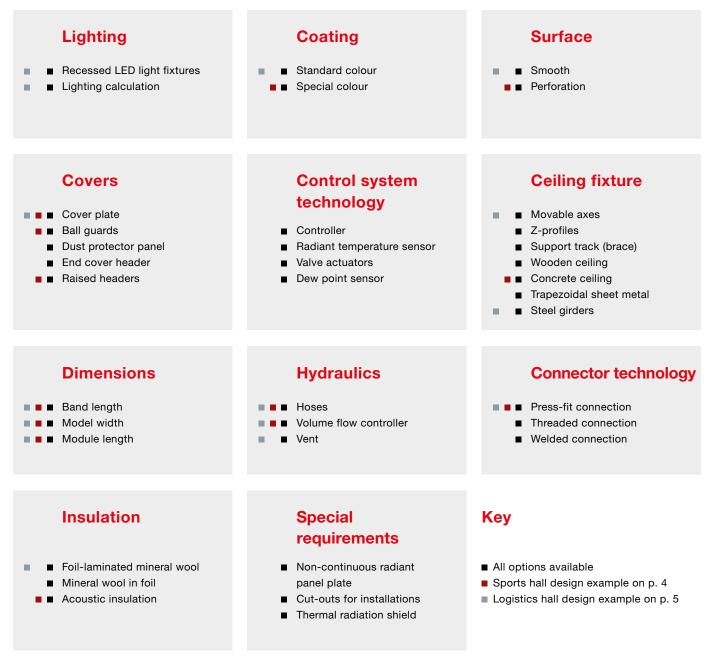
Available from autumn 2019 – Find out more

You will find more information on the fields of application and options by contacting Zehnder directly at **www.international.zehnder-systems.com/zfp**. We are happy to offer support throughout your project.

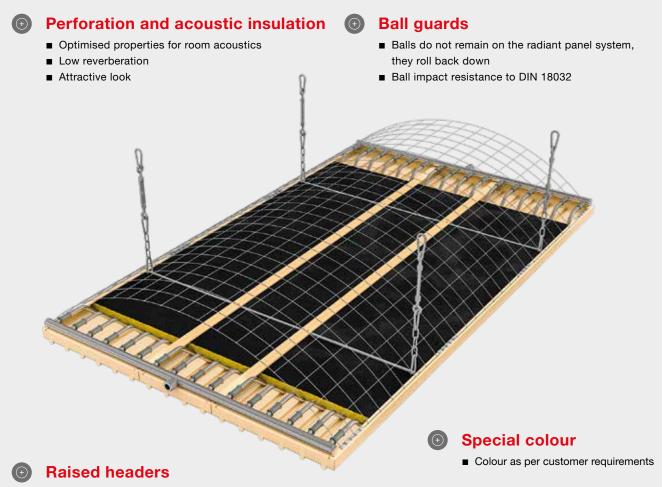
A module for all requirements: Zehnder ZFP

These days as a specifier, you need to find heating systems for a variety of halls. Depending on the application or the user, these installation scenarios come with a long list of requirements for the perfect solution. So Zehnder has developed a system to meet your needs on an individual basis. With Zehnder ZFP radiant ceiling panels, you get a module designed for maximum flexibility. Discover the many benefits Zehnder ZFP can provide for you and learn more about the right solution for your project. We are also happy to offer advice and support throughout the planning process.

Zehnder ZFP modular design



Example: sports hall



- Connections not visible
- Integrated ceiling solution possible

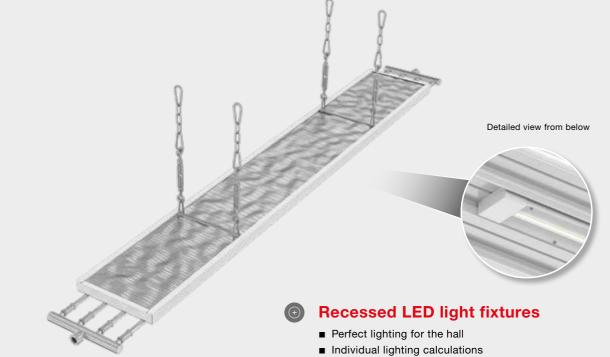


Example: logistics hall



Model width

- Slimline design Perfect for high-bay warehouses
- Radiant heat can be supplied as per requirements
- Optimised use alongside sprinklers



 Harmonious look as lighting is integrated into the radiant panel system



Zehnder ZFP technical specifications

Whether dimensions, operating parameters or weight are critical design factors, Zehnder ZFP always provides maximum flexibility. You will find much of the information needed to design a system with Zehnder ZFP in the table below.

Dimensions, operating parameters and output											
Zehnder ZFP		Unit of measure- ment					Туре				
Feature			300/4	450/6	600/8	750/10	900/12	1050/14	1200/16	1350/18	1500/20
Number of pipes		piece(s)	4	6	8	10	12	14	16	18	20
Pipe material		-	Precisi	on steel tu	be 15 x 1	mm, welde	d, externa	l galvanisa	tion in line	with EN 10	0305-3
Sheet steel		-	Galvanised, coated sheet steel								
Dimensions											
Widths		mm	300	450	600	750	900	1050	1200	1350	1500
Tube spacing		mm					75				
Minimum module length		mm					2000				
Maximum module length		mm					6000				
Suspension points per axis		piece(s)					2				
Operating parameters											
Max. operating temperature		°C					120				
Max. operating pressure		bar					10				
Weights											
Weight without water content, with insulation	Radiant panel	kg/m	3.9	5.4	7.6	9.2	10.7	13.0	14.6	16.1	18.4
	Per manifold	kg	0.7	0.9	1.2	1.5	1.7	2.0	2.3	2.5	2.8
Insulation weight		kg/m	0.2	0.3	0.5	0.6	0.7	0.8	0.9	1.0	1.2
Water content		l/m	0.5	0.8	1.1	1.3	1.6	1.9	2.1	2.4	2.6
Operating weight with water content, with insulation	Radiant panel	kg/m	4.4	6.2	8.6	10.5	12.3	14.9	16.7	18.5	21.0
	Per manifold	kg	0.8	1.2	1.6	1.9	2.3	2.7	3.0	3.4	3.8
Thermal output*											
Thermal output according to EN 14037-3 at Δt = 55 K with insulation	I	W/m	203	287	367	446	522	596	671	740	811
Thermal output constant (K)		-	1.980	2.820	3.623	4.422	5.192	5.948	6.713	7.421	8.143
Thermal output exponent (n)		-	1.156	1.154	1.152	1.151	1.151	1.150	1.149	1.149	1.148

* Preliminary values, calculated based on EN 14037-3

