

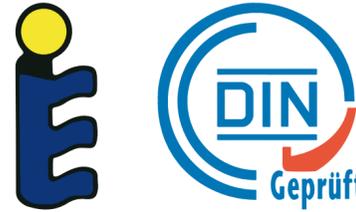
Radiant Ceiling Panels

Galaxis

KAMPMAN
Genau mein Klima.

Impressive

performance data ...



... And in nine panel widths. You want guarantees? All heat outputs were tested in accordance with DIN EN 14037 and Keymark-certified by DIN CERTCO. Invest in a multiple energy saver and in long-lasting quality with Galaxis.



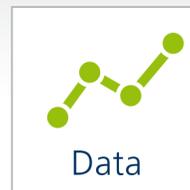
Features



Details



Control



Data



Variants

Draught-free heat

Galaxis provide pleasant heat. No draughts occur either as the units scarcely generate any air movement. Dust is never whipped up: perfect for the processing of sensitive materials!



Features



Details



Control



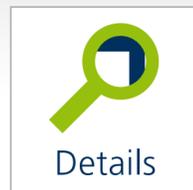
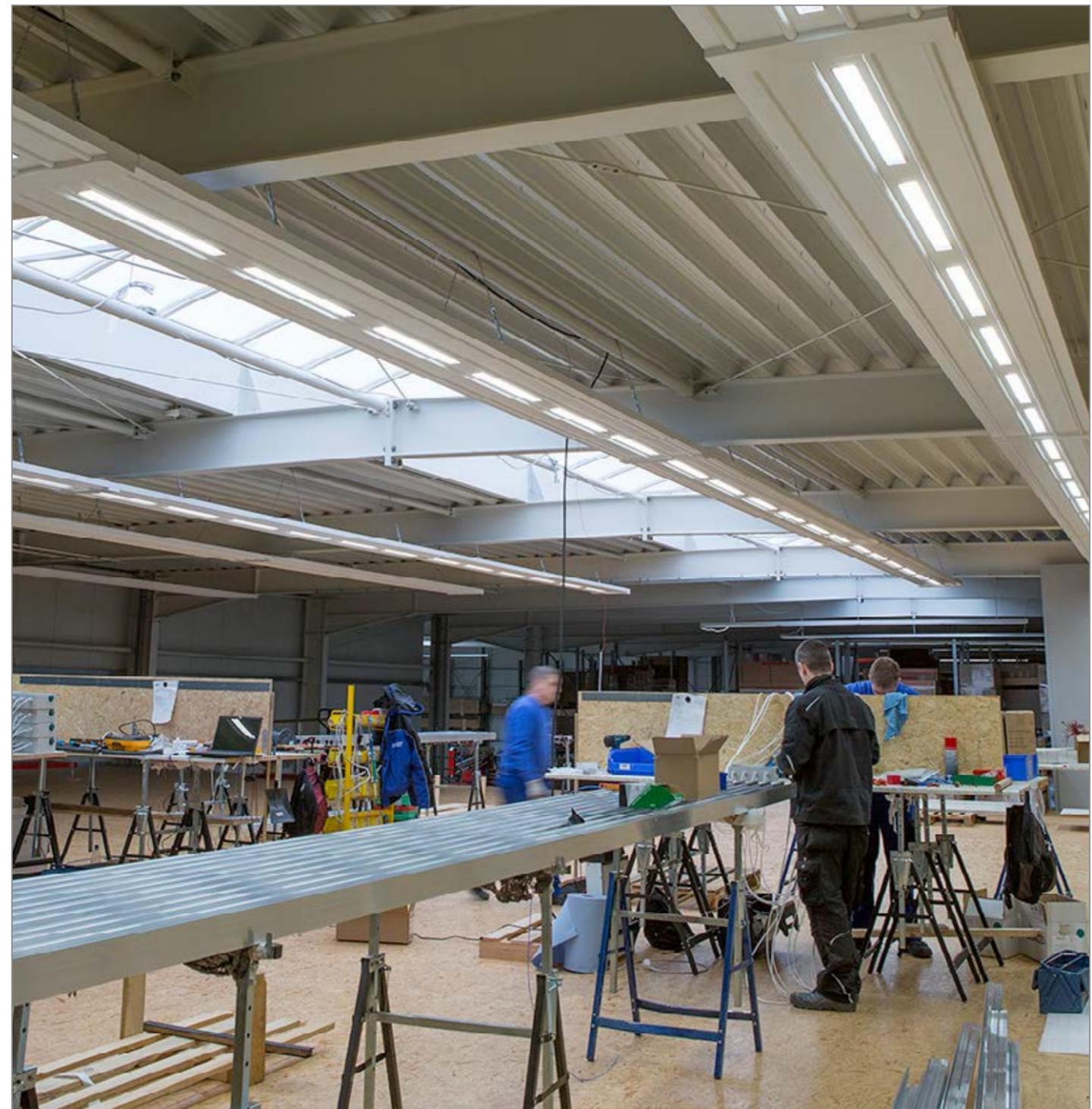
Data



Variants

Tailored to individual needs

Galaxis take on any architectural challenge. However, if you wish to configure working areas, Galaxis are versatile until the end of the preliminary construction phase.



Tailored support

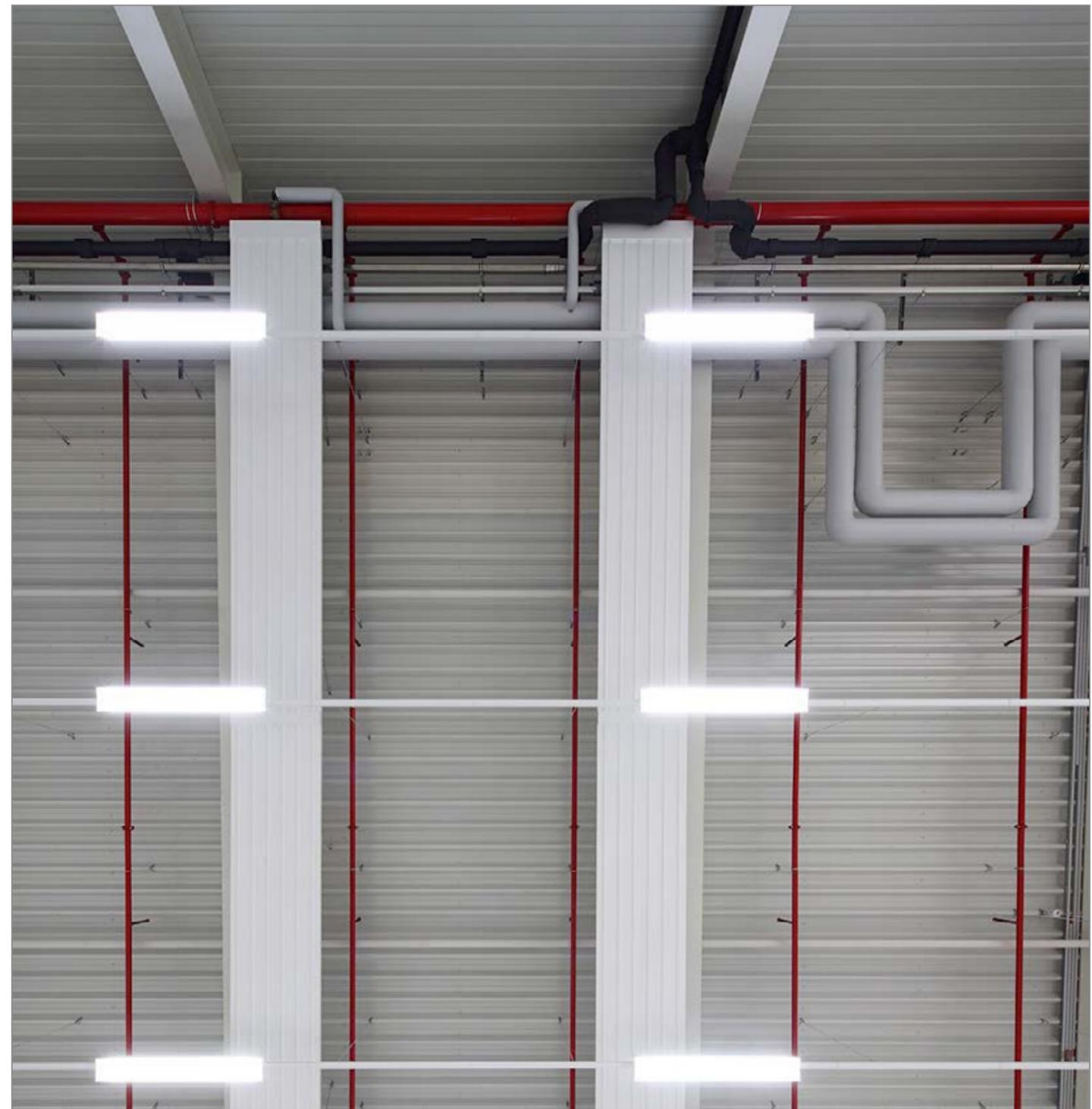
Project-specific plans and designs are our daily business. You will receive a customised quotation with a design and drawing. This will give you the necessary planning reliability.



Easy

installation

Galaxis can be installed easily, even in high-ceiling halls. This will save you valuable working time. We will organise the installation for you if you so wish. Once fitted, no maintenance is required.



5/6



Features



Details



Control



Data

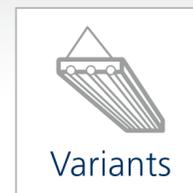
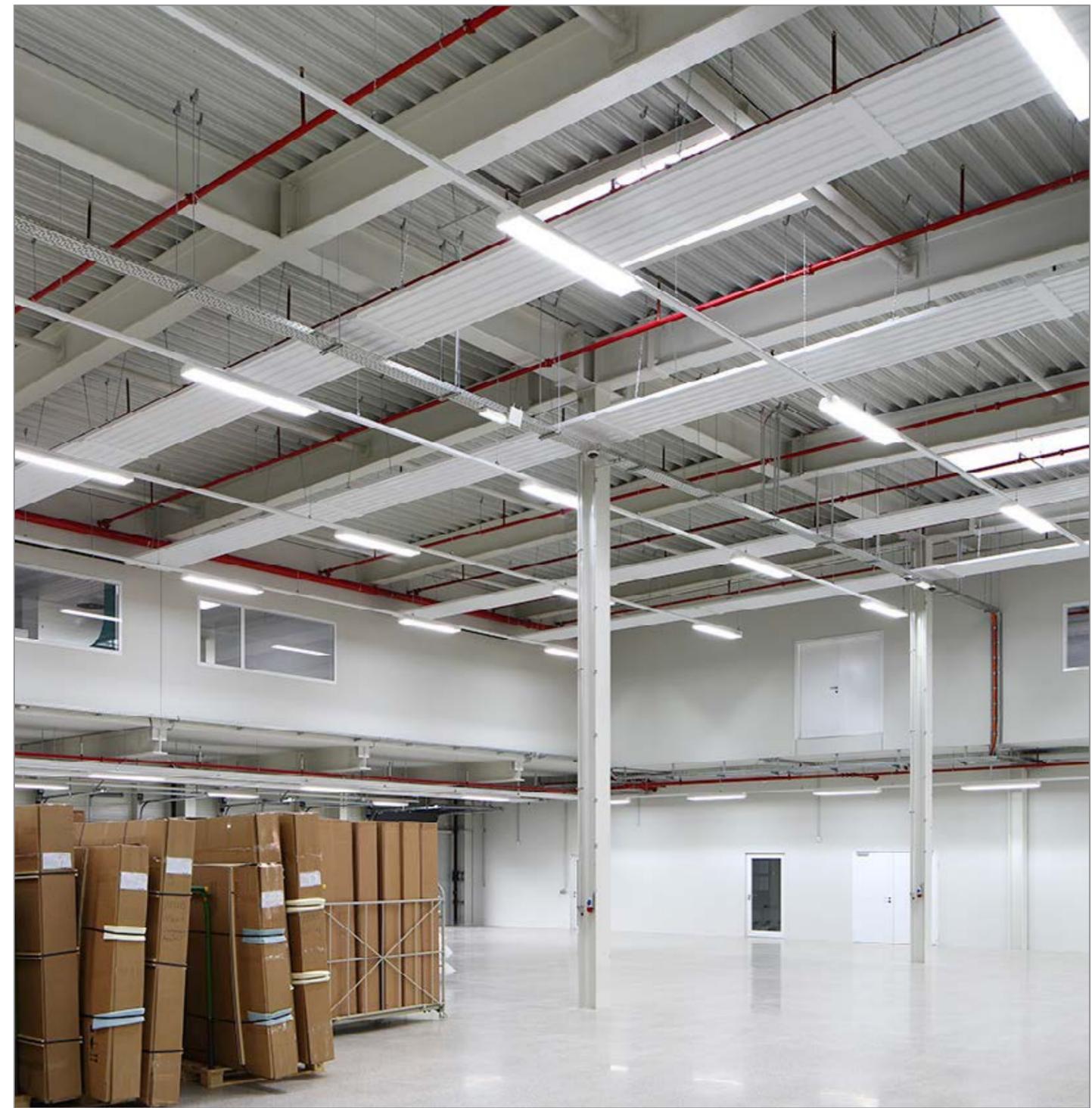


Variants

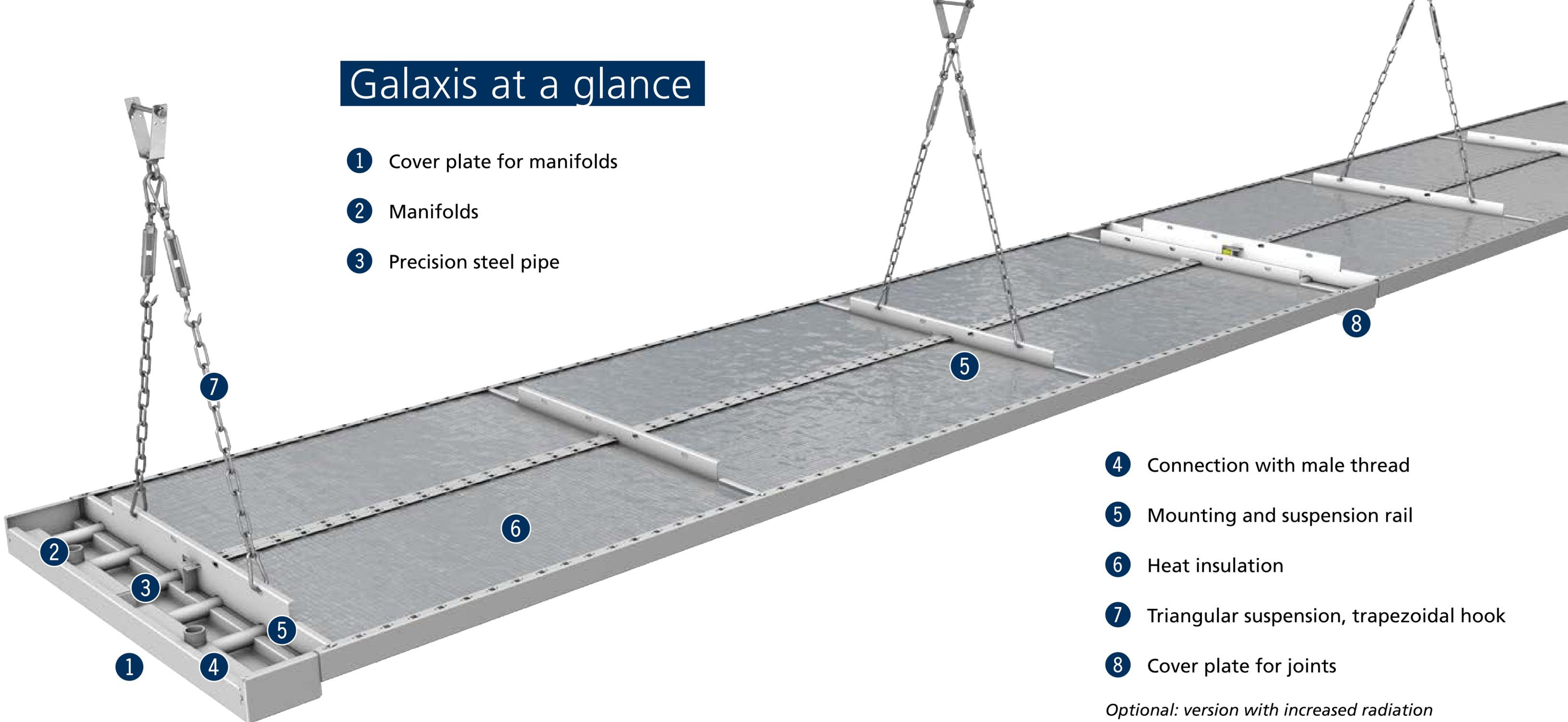
KAMPMAN
Genau mein Klima.

Perfect interplay

Your customers will enjoy the best feel-good climate with our system solutions and become successful energy savers. With concepts for the entire hall consisting of Galaxis, air curtains and unit heaters, even in compact ventilation units.



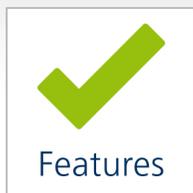
Galaxis at a glance



- 1 Cover plate for manifolds
- 2 Manifolds
- 3 Precision steel pipe

- 4 Connection with male thread
- 5 Mounting and suspension rail
- 6 Heat insulation
- 7 Triangular suspension, trapezoidal hook
- 8 Cover plate for joints

Optional: version with increased radiation percentage of up to 84



Features



Details



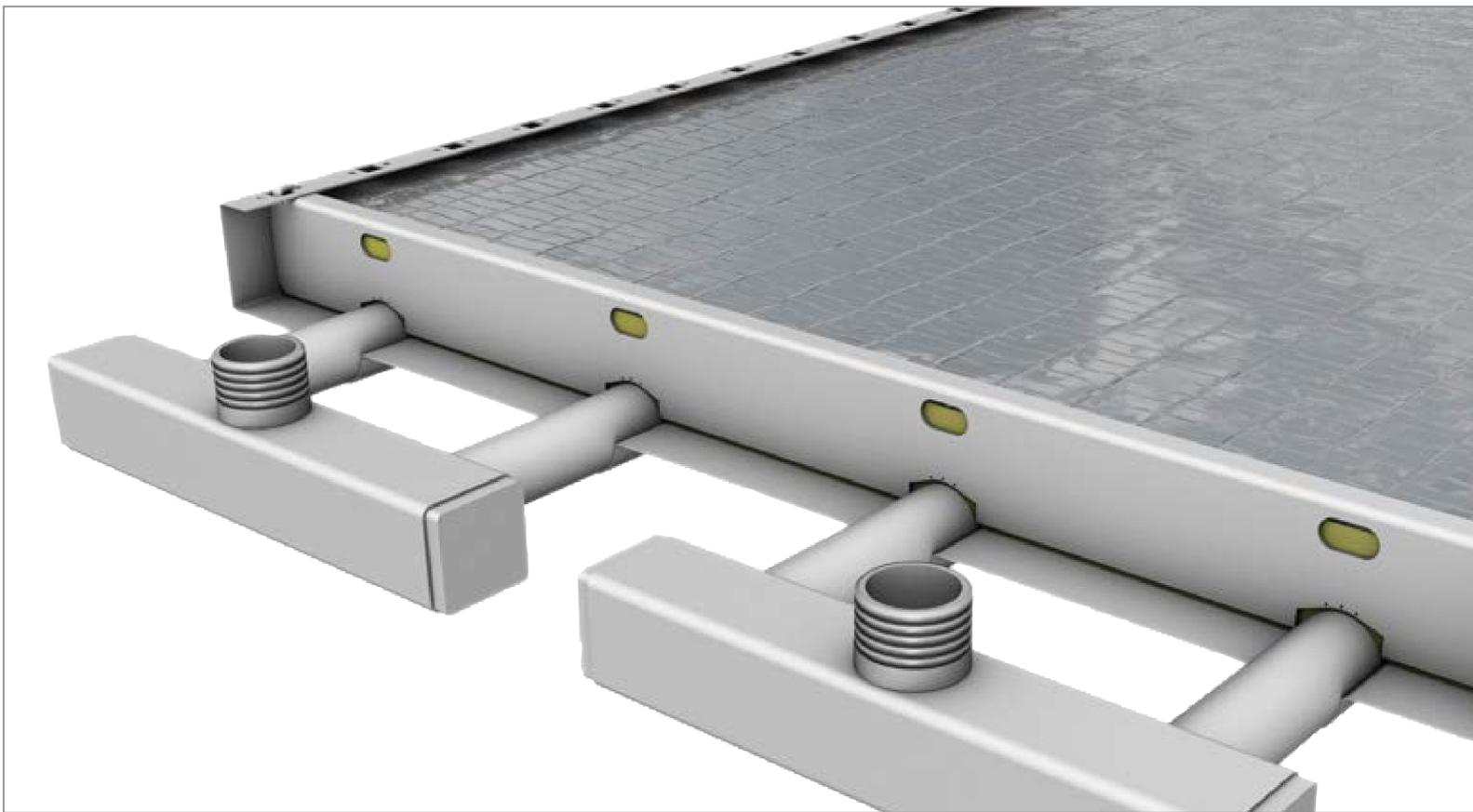
Control



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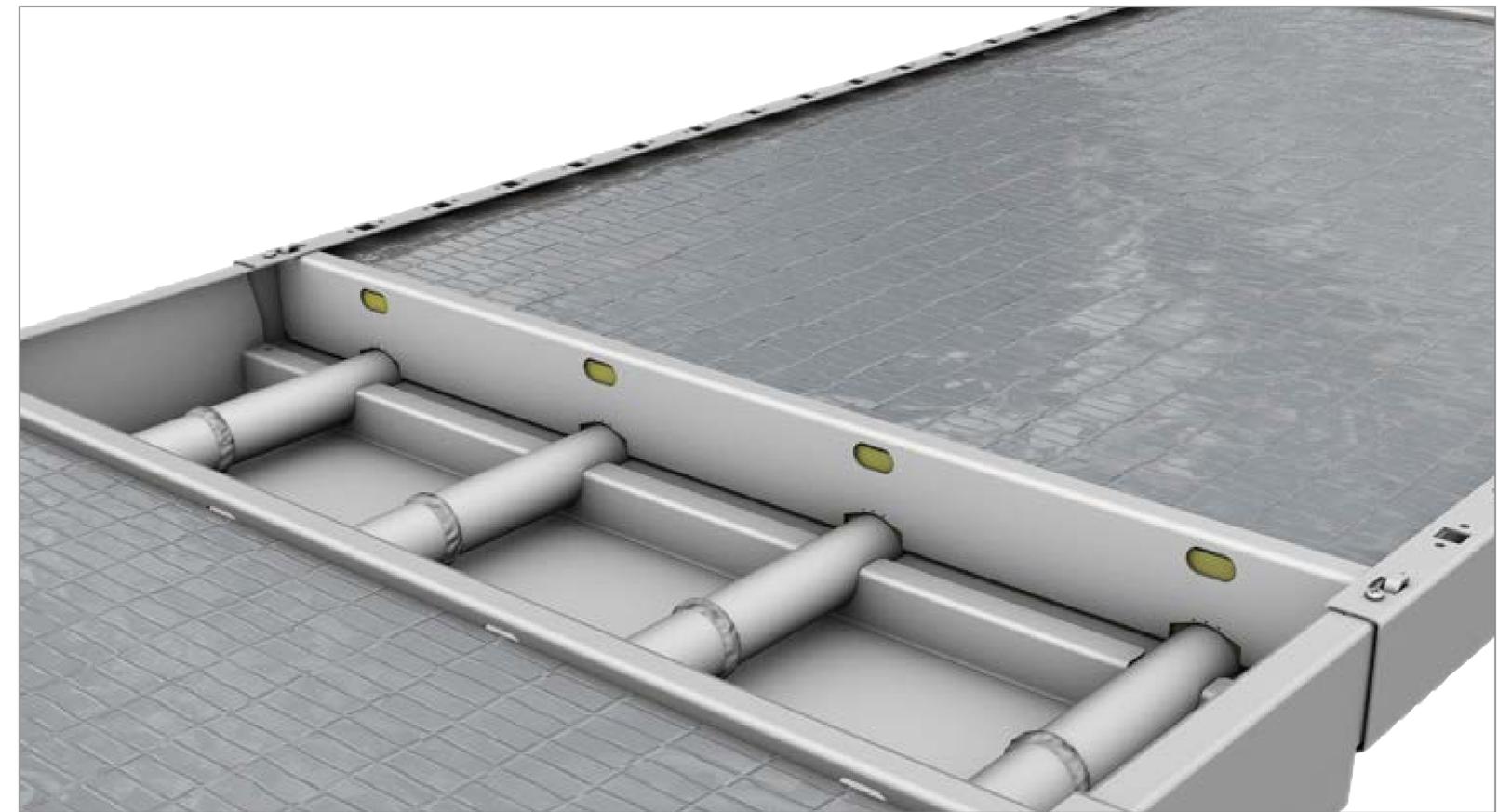


Variants



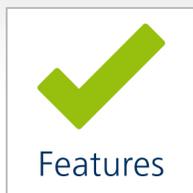
Connection with male thread

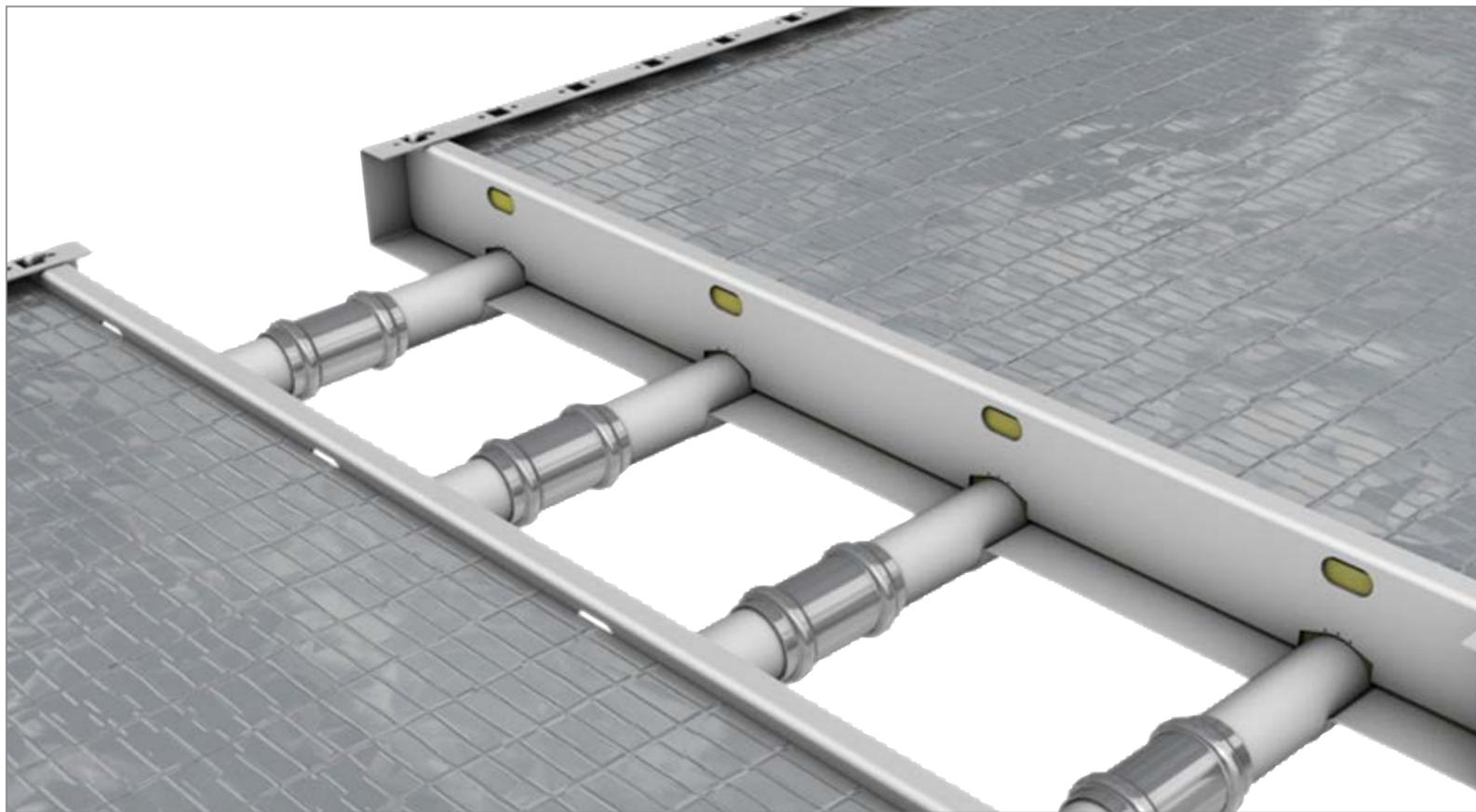
- ▶ 1"/1 ¼"



Cover plate for joints

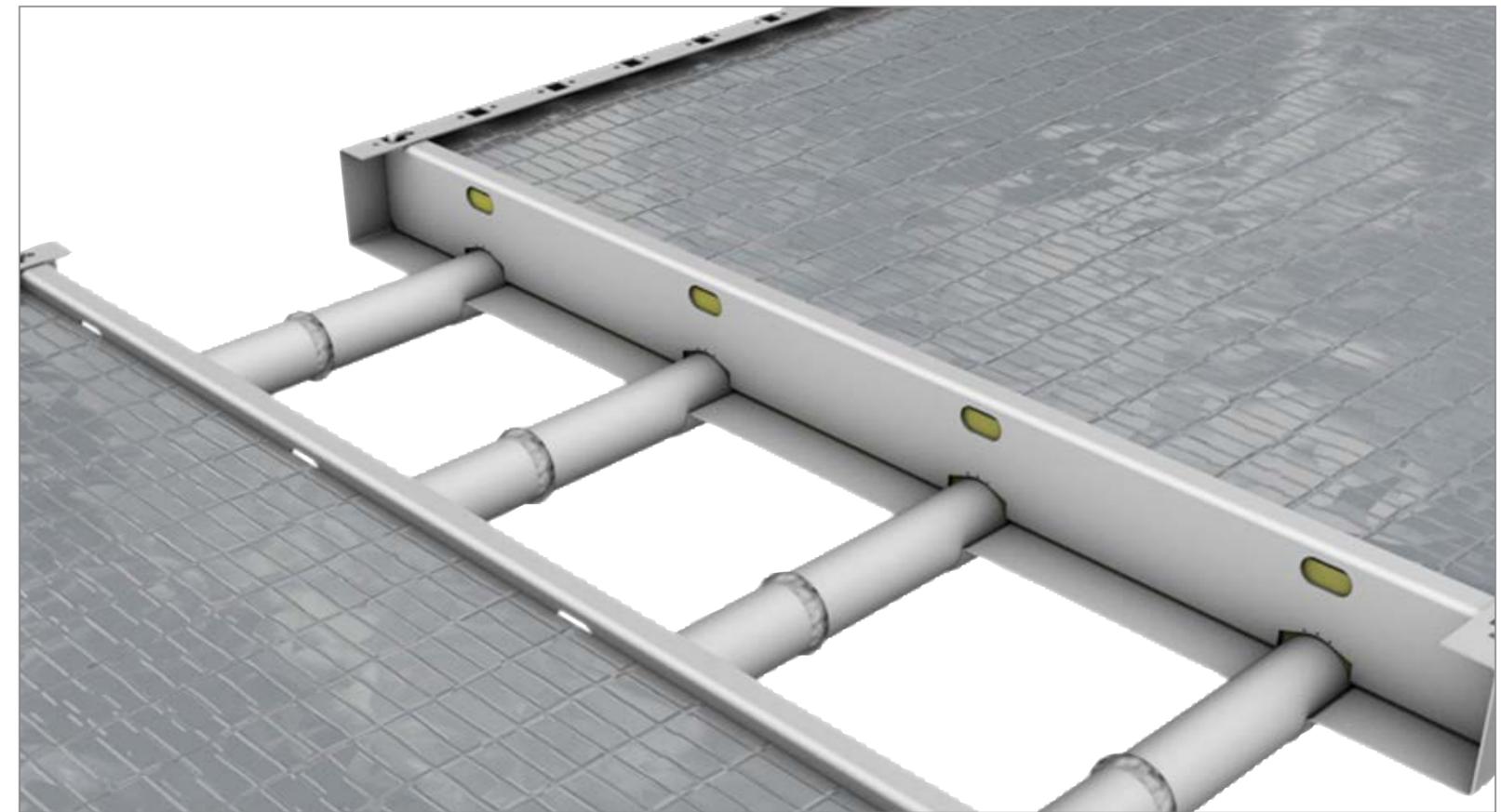
- ▶ To cover joints with an overlap to accommodate length differences
- ▶ Made of 1 mm thick sheet steel, powder coated, RAL 9016
- ▶ To be used for models with press-on sleeves and welding





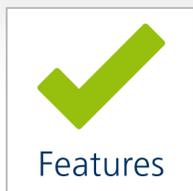
Press fittings

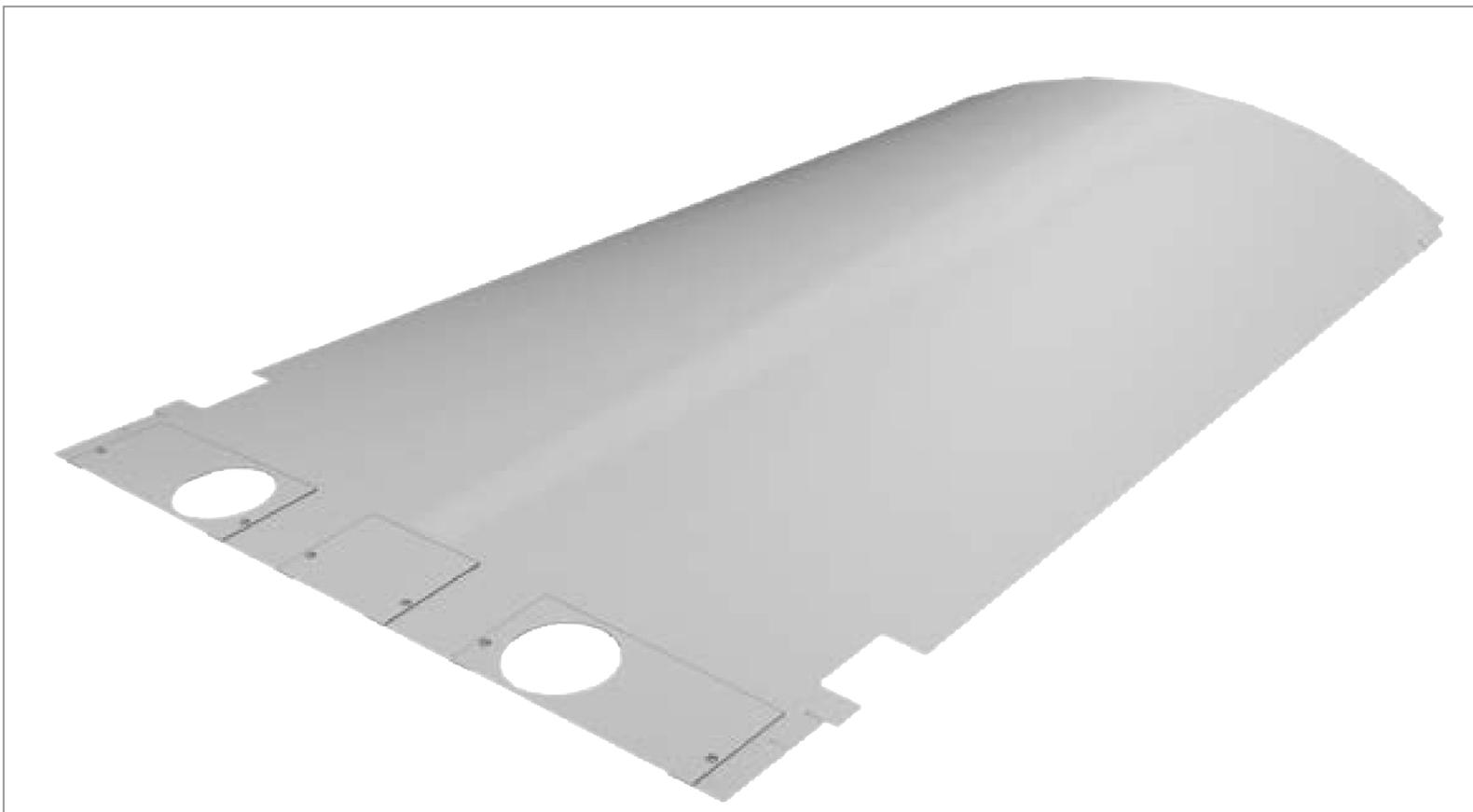
- ▶ For panel pipe connections



Welding of steel pipes

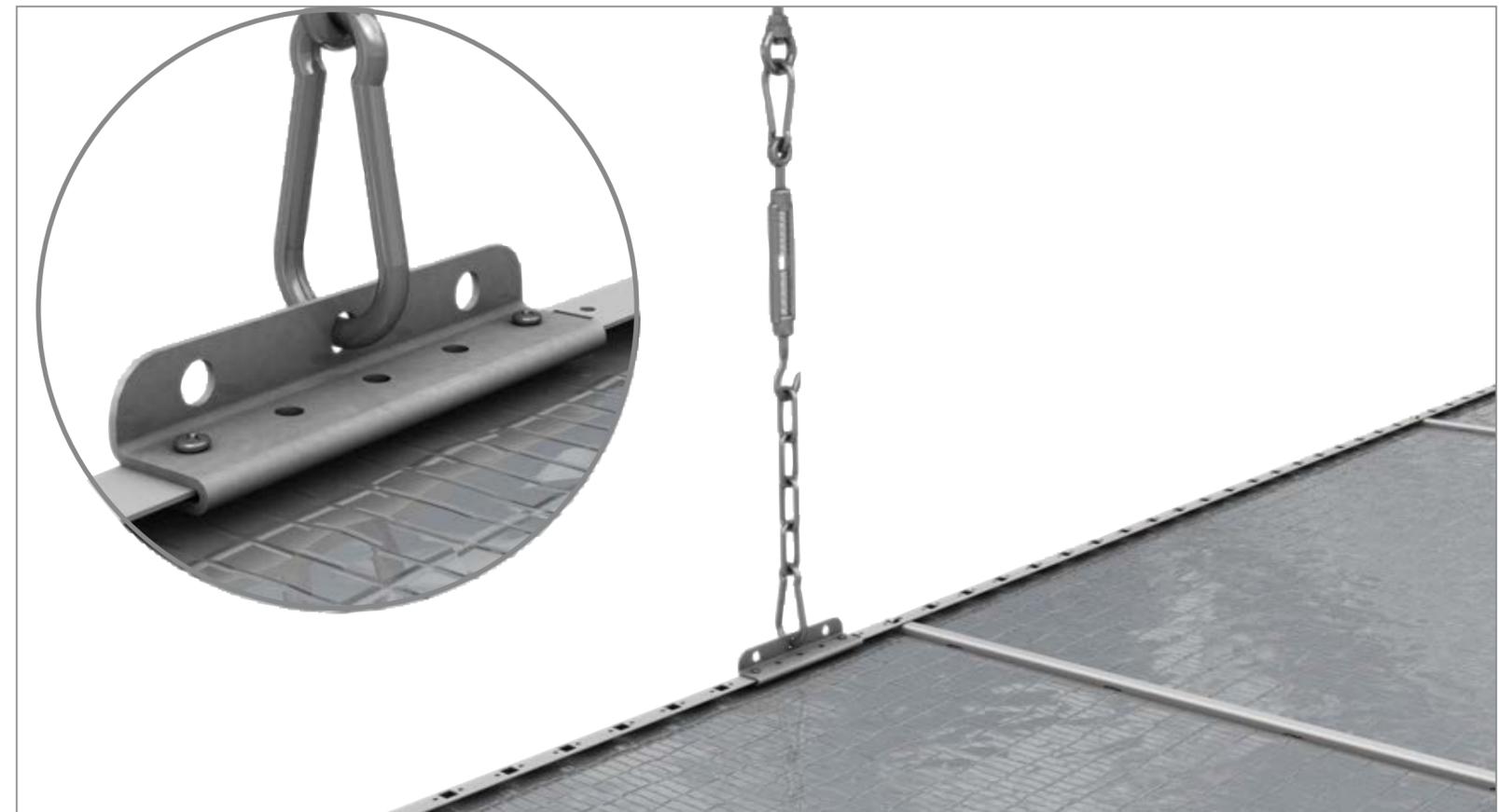
- ▶ A water-side connection can be established as an alternative to press fittings by means of welding provided by the customer





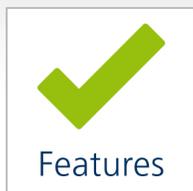
Ball guard

- ▶ top panel cover with a gradient to prevent balls getting stuck (e.g. in sports halls)
- ▶ tested for ball impact safety in accordance with Investigation Report No. UB 2.1/13-567-1 and Investigation Report No. UB 2.1/13-567-2, MFPA Leipzig



Mounting bracket

- ▶ for a versatile installation lengthwise



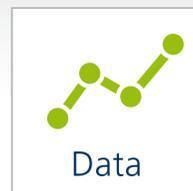
Features



Details



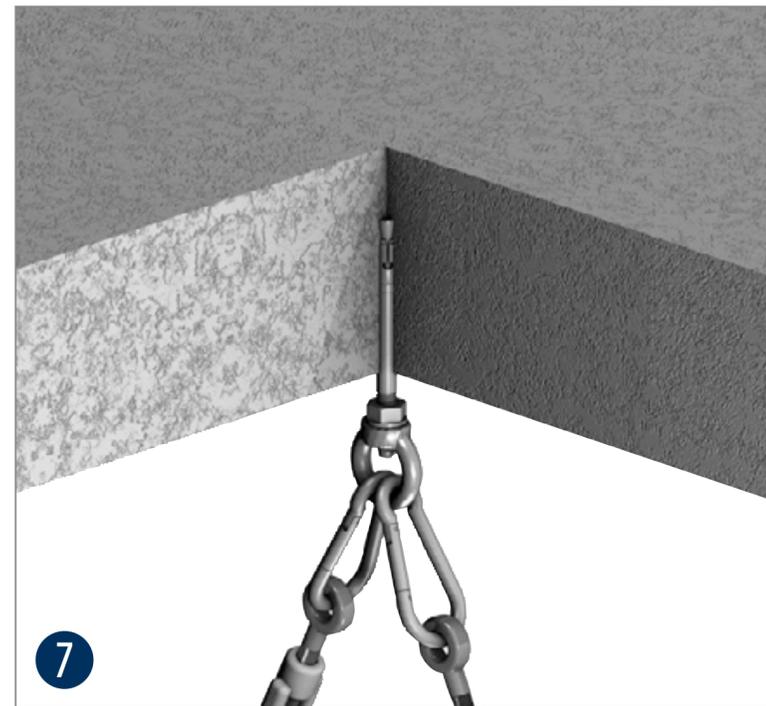
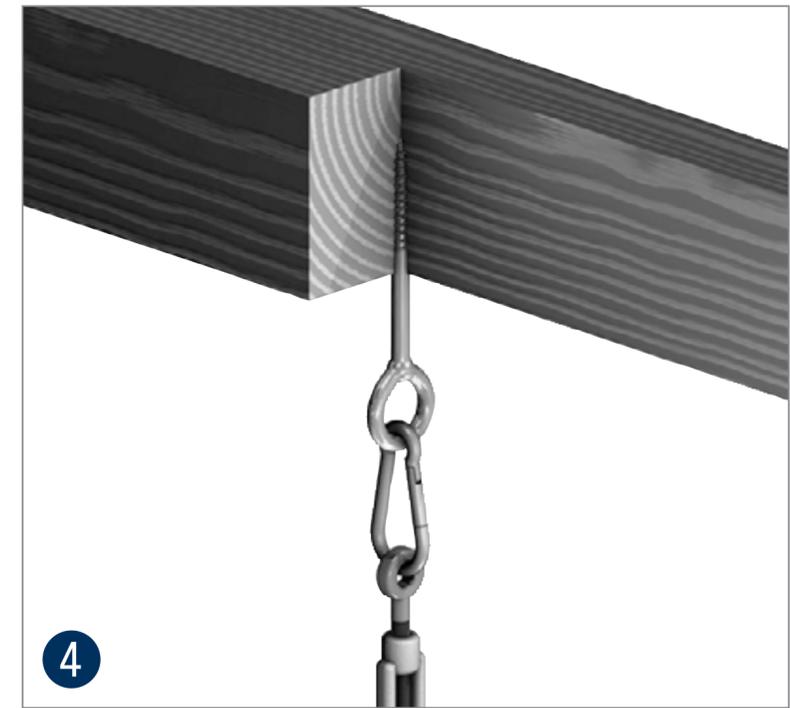
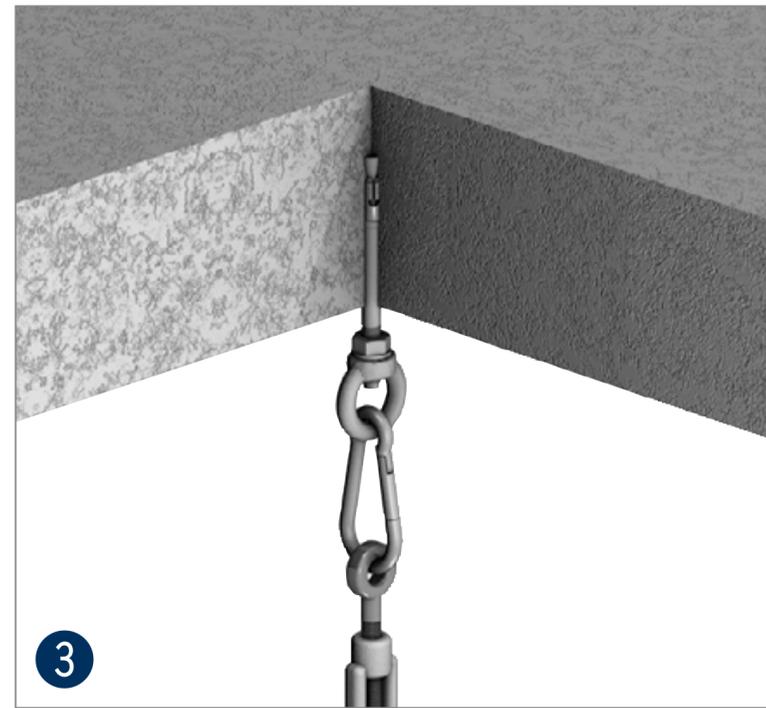
Control



Data



Variants



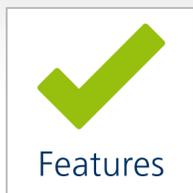
Suspension elements

Single-point suspension elements

- 1 Trapezoidal hook
- 2 Beam clamp
- 3 Ceiling bracket
- 4 Wooden eyebolt

Triangular suspension elements

- 5 Trapezoidal hook
- 6 Beam clamp
- 7 Ceiling bracket



Control options

System efficiency

KaControl room automation

- ▶ KaControl electronics in an IP54 wall-mounted housing for a single temperature zone
- ▶ design room control unit with intuitive user navigation
- ▶ integrated timer program

Three control strategies are available:

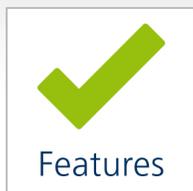
- ▶ P- or PI-controller with continuous control (0-10 V) of the balancing valves
- ▶ 2-point Open/Close control of the balancing valves

Various optional BMS interfaces are available:

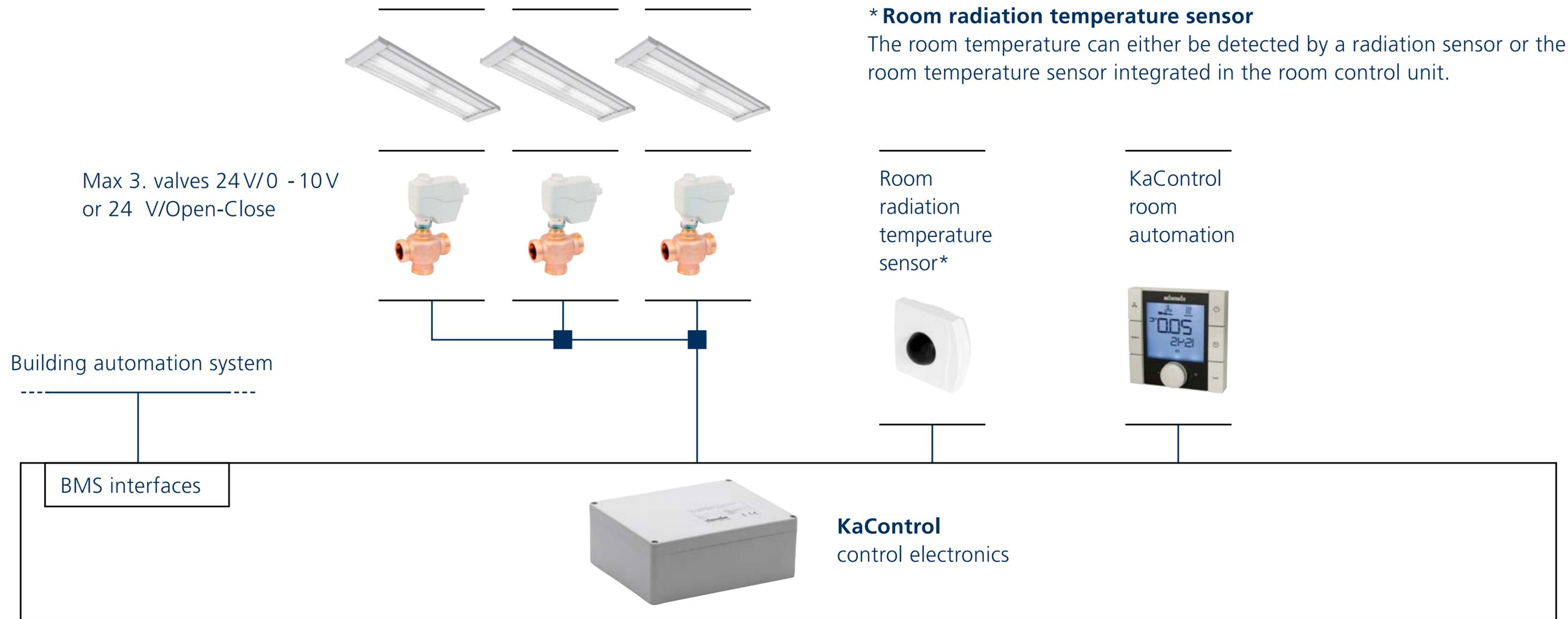
KNX/EIB

BACnet IP

Modbus RTU RS485

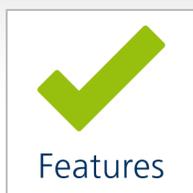


KaControl schematic diagram

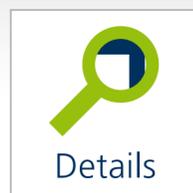


* Room radiation temperature sensor

The room temperature can either be detected by a radiation sensor or the room temperature sensor integrated in the room control unit.



Features



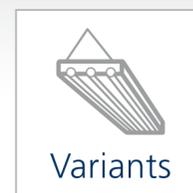
Details



Control

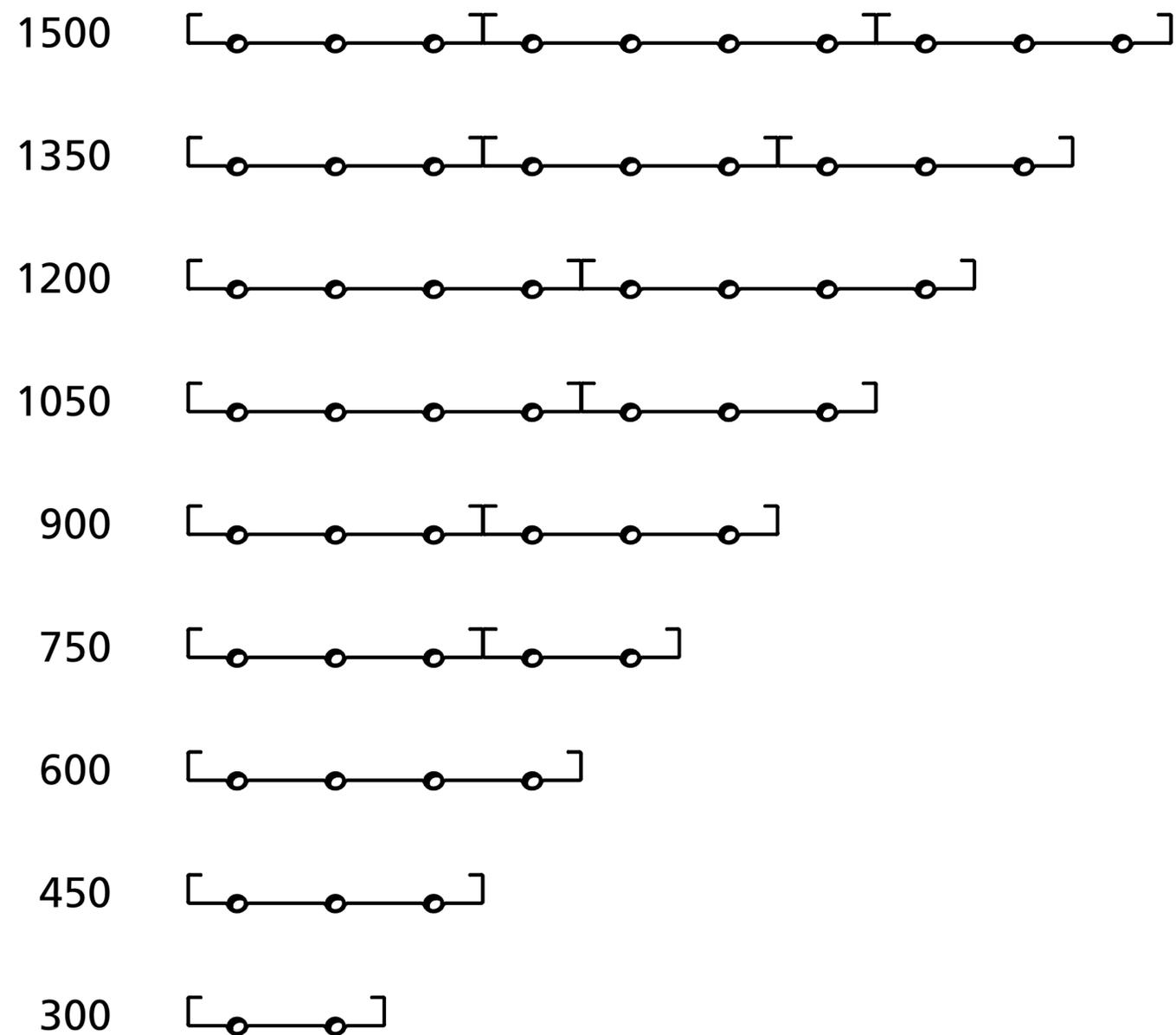


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Variants

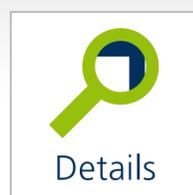
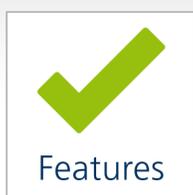
Panel widths [mm]



Performance data

Panel width	Design heat output*
[mm]	[W/m]
300	221
450	287
600	348
750	424
900	499
1050	575
1200	650
1350	725
1500	801

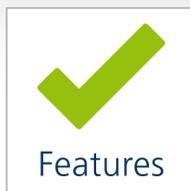
* In accordance with DIN EN 14037, Part 3 with upper heat insulation at $\Delta T = 55 \text{ K}$



Galaxis radiant ceiling panel models

Galaxis LED

- ▶ with intelligent lighting control for 100% luminosity from the very first second
- ▶ light output of 154 lm/W
- ▶ up to 60 % lower energy consumption
- ▶ LED cover, clear
- ▶ dimmable LED, DALI
- ▶ BMS control
- ▶ long service life with a high number of switching cycles
- ▶ integration possible into the building's emergency lighting concept
- ▶ ideal for sports and production halls
- ▶ tested for ball impact safety in accordance with Investigation Report No. UB 2.1/15-141-1 and Investigation Report No. UB 2.1/15-141-2, MFPA Leipzig



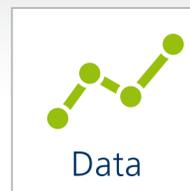
Features



Details



Control



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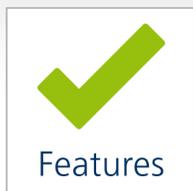


Variants

Galaxis radiant ceiling panel models

perforated model

- ▶ for a reduced sound level and curtailed reverberation period
- ▶ including trickle protection
- ▶ available in all panel widths
- ▶ ideal for noise-sensitive exhibition spaces



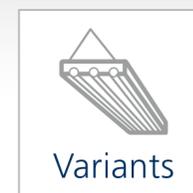
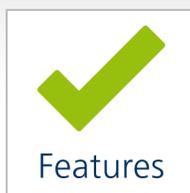
Benefits for you!

Kampmann offers you the following service benefits:

- ▶ on-site consultation
- ▶ diverse sampling
- ▶ design support
- ▶ system solutions
- ▶ detailed discussions
- ▶ site-surveys
- ▶ individual training
- ▶ After Sales Service

Find your contact person here:

[Kampmann.eu/contact](https://www.kampmann.eu/contact)



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Features



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Variants

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