



KSP *to go*[®]

The revolutionary radiant heating for small halls.
Easy – efficient – comfortable – long lasting

radi.a.eip.ee.expertise[®]





KSP to go® – The revolutionary radiant heating

Radiant panels were mainly used to heat larger halls. Often it was necessary to cooperate with a technical planner for the design. Acquiring the goods was complicated, lengthy and the transport costs to the construction site were expensive. For the assembly of radiant panels an external installation team was needed. That's why many heating companies did not consider this efficient technology to heat smaller buildings.

KSP to go® simplifies everything. On our innovative website www.ksp2go.com we provide you many handy tools, enabling you to design smaller halls or rooms by yourself. There you find, for example, our online calculator which is giving you a design suggestion just after filling in some input data. Printing out an order list or a customer offer is just a klick. Further you get extensive information and assistance. All important information can be directly downloaded. For news just sign in for our newsletter or read our blog.

KSP to go® is exclusively distributed through the wholesale. There you can pick up the products or have them comfortably delivered. As the single radiant panels are 2 or 3 meters long, they fit in any ordinary van. Our high quality and solid packaging ensures, that nothing gets damaged.

The assembly of **KSP to go®** is simple and mostly tool-free. Thanks to clear manuals, describing the assembly in a few simple steps, also first time-users can start immediately.

Maybe you have already a project in your mind? The local garage owner who is not getting warm his hall in winter, or the joinery around the corner, which wants to get rid of all the swirling dust? With **KSP to go®** you can solve a lot of problems. Check it out yourself.

KSP to go® radiant panels are ...

... efficient.

Up to 40% energy savings towards convective heating.

... comfortable.

Warm floors and walls, no draught, no swirling dust.

... long-lasting.

Long lifetime, low default risk, stainless aluminum, 10 years warranty.

... simple.

Easy delivery, easy assembly, only basic skills and few tools needed.

... economical.

Saves energy, service and cleaning costs.

... safe.

Ceiling installation protects from injuries and burns.

... proven.

Technology on the market for more than 60 years and installed in thousands of halls.

... almost maintenance-free.

There is no need of any maintenance after installation except occasional venting.

... independent from specific energy sources.

Radiant panels need warm water. It does not matter how it is heated. You can use fossil combustibles or renewable energy sources like thermal solar panels or heat pumps.

... sustainable and have extremely low life-cycle costs.

Very long lifetime, almost no maintenance costs.

... certified.

Keymark certificate by DIN CERTCO.



Applications

Heating of a workplace



Vehicle halls



Factories



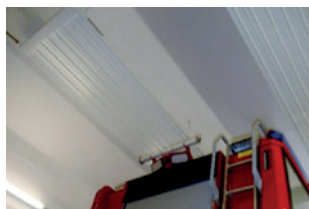
Joineries



Car repair shops



Fire stations



Warehouses



Showrooms



Building yards



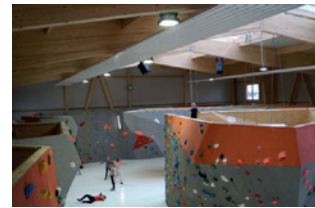
Garages



Metalworks



Sports



Thermal outputs

Δt [K]	KSP to-go® 2 m			KSP to-go® 3 m			KSP to-go® Distributors			Δt [K]
	W / panel			W / panel			W / pair of distributors			
	600 Box 1.2	900 Box 2.2	1200 Box 3.2	600 Box 1.3	900 Box 2.3	1200 Box 3.3	600 Box 4	900 Box 5	1200 Box 6	
20	200	292	382	300	438	573	48	76	102	20
25	262	382	500	393	573	750	64	100	136	25
30	328	474	622	492	711	933	80	126	172	30
35	394	572	750	591	858	1.125	96	152	208	35
40	462	672	880	693	1.008	1.320	112	180	246	40
45	532	774	1.014	798	1.161	1.521	130	208	286	45
50	604	878	1.152	906	1.317	1.728	148	238	328	50
55	678	984	1.292	1.017	1.476	1.938	166	268	370	55
60	752	1.094	1.434	1.128	1.641	2.151	184	298	412	60
65	828	1.204	1.580	1.242	1.806	2.370	204	330	456	65
70	906	1.316	1.728	1.359	1.974	2.592	224	362	500	70
75	984	1.430	1.878	1.476	2.145	2.817	242	394	546	75
80	1.062	1.546	2.030	1.593	2.319	3.045	262	426	592	80

Δt = difference between average water temperature and demanded internal temperature. Calculation Formula: $\Delta t = \frac{\text{Flow}_t + \text{Return}_t}{2} - \text{Room}_t$



Technical data

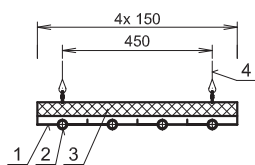
Construction

Basic element	Aluminum lamellas, 150 mm width
Lamellas	Precision steel tube 28 x 1,5 mm, fitted into 0,8 mm aluminum sheet; frictional connection through metal heat conduction strips for optimum heat transfer onto the radiation surface
Insulation	40 mm mineral wool with tear-resistant aluminum coating, 45 kg/m ³ density; non-slip and flush incorporated at the factory
Panel Length	2 or 3 m
Panel Width	600, 900 or 1.200 mm
Panel connection	Press fittings
Piping connection	One-sided, 3/4"

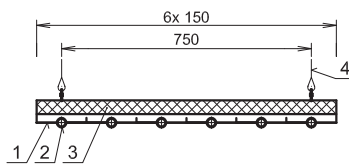


Construction and panel dimensions

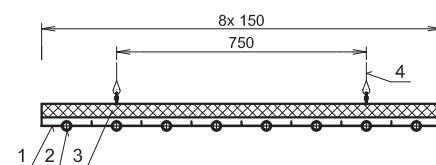
Panel width 600 mm



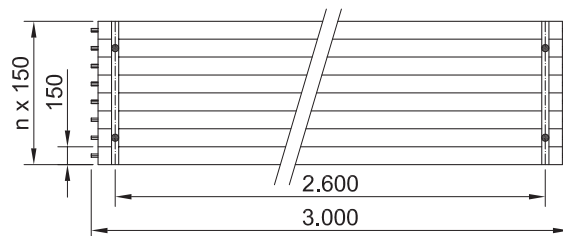
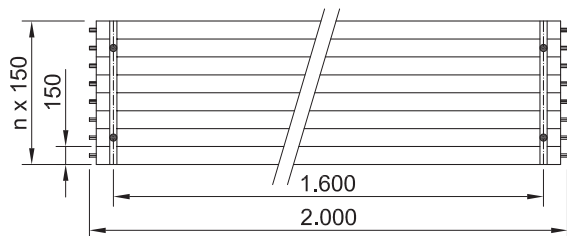
Panel width 900 mm



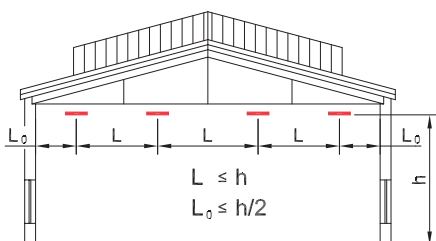
Panel width 1.200 mm



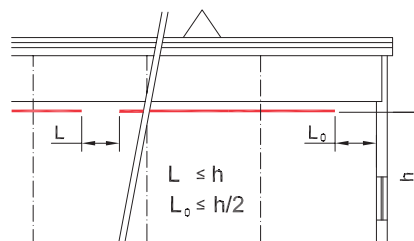
1 Aluminum heating surface / 2 Heating tubes / 3 Insulation / 4 Nodal chain or wire-rope suspension



Panel positioning



Maximum transverse distance of the panels



Maximum longitudinal distance of the panels



Linear LED lighting

Functional LED technology for the price of conventional lighting

LED lighting is conquering the world market with breathtaking speed. The patent registered **KSP to-go[®] LED** provides heat and light at the same time and ensures high comfort with low energy costs.

The linear LED lighting can be easily fixed at the panels by special assembly clips. The accessories included in the kit offer you a wide variety of possibilities. You can connect up to seven luminaires (total length 10,35 m) together with the supplied connecting plugs, with only one electrical feed. Luminaires can be installed on both sides of the panel or only one-sided, depending on how much light is needed. The luminaires can be mounted consistently over the whole panel length or only at desired positions.

Low installation costs, no maintenance for many years and the timeless, unpretentious design complete the picture of **KSP to-go[®] LED**. A „shining“ example of a sustainable product with minimal life-cycle costs.

Technical data / per luminaire

Length	1.475 mm
Luminous flux	2.200 lm
Color temperature	5.000 K (neutral white)
Power	22 W
Color rendering index	RA > 80
Voltage	90 - 240 V/AC
Cover/Glare	opal / none
Lifetime	40.000 h
Energy efficiency class	A+
Protection class	IP 20
Certification	CE, ROHS

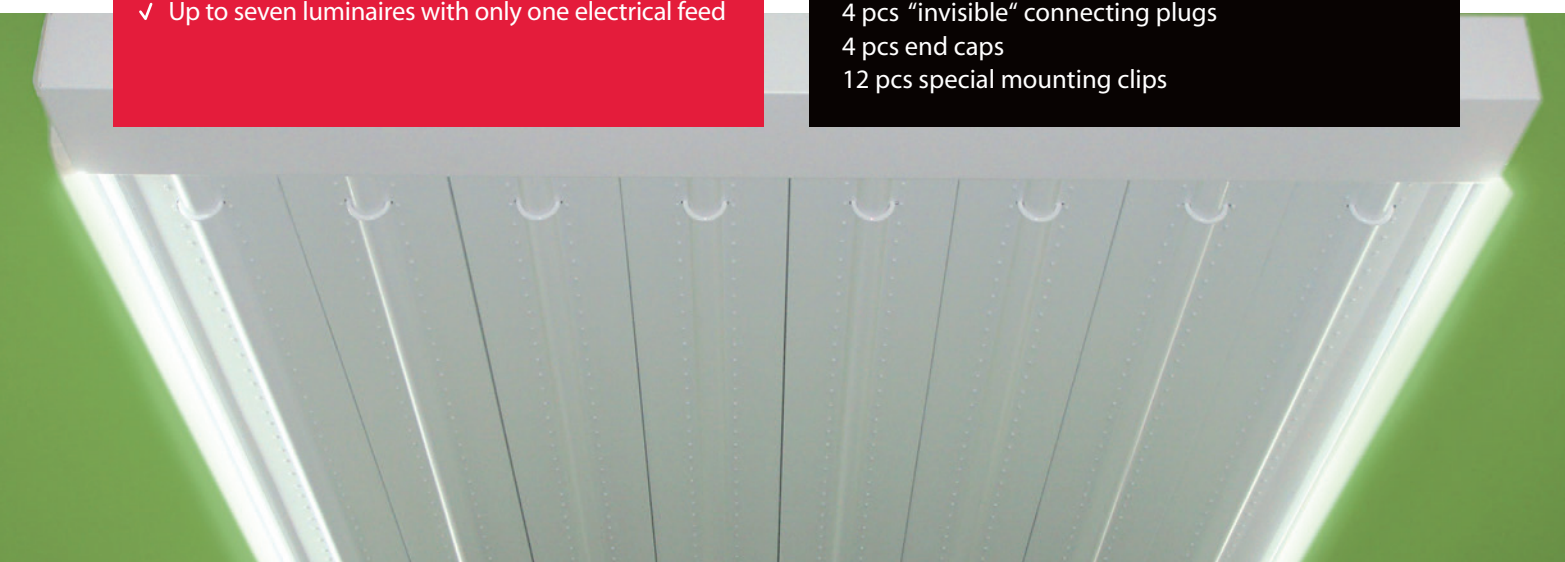


Complete kit














- ✓ Easy and quick assembly
- ✓ Flexible positioning
- ✓ No costs for cable routes or cable conduits
- ✓ Up to seven luminaires with only one electrical feed

Set content

- 4 pcs LED luminaires
- 4 pcs connection cable 3 x 0,75 mm², 30 cm long
- 1 pc connection cable 3 x 0,75 mm², 300 cm long
- 4 pcs "invisible" connecting plugs
- 4 pcs end caps
- 12 pcs special mounting clips



Product Overview

	Product	Order no.	Content / Dimensions
	KSP to-go² 600 / 2 m	Box 1.2	1 x KSP to-go² Radiant panel / 2.000 x 602 x 60 mm
	KSP to-go² 900 / 2 m	Box 2.2	1 x KSP to-go² Radiant panel / 2.000 x 902 x 60 mm
	KSP to-go² 1200 / 2 m	Box 3.2	1 x KSP to-go² Radiant panel / 2.000 x 1.202 x 60 mm
	KSP to-go² 600 / 3 m	Box 1.3	1 x KSP to-go² Radiant panel / 3.000 x 602 x 60 mm
	KSP to-go² 900 / 3 m	Box 2.3	1 x KSP to-go² Radiant panel / 3.000 x 902 x 60 mm
	KSP to-go² 1200 / 3 m	Box 3.3	1 x KSP to-go² Radiant panel / 3.000 x 1.202 x 60 mm
	Distributor kit KSP to-go² 600	Box 4M*	1 x four-tube distributor, 2 x two-tube distributors with venting and 3/4" connection, 2 x stainless steel corrugated hoses 30 cm DN 16, 4 x seals, 8 x press fittings M-shape, 2 x distributor covers for tool-free mounting
	Distributor kit KSP to-go² 900	Box 5M*	1 x six-tube distributor, 2 x three-tube distributors with venting and 3/4" connection, 2 x stainless steel corrugated hoses 30 cm DN 16, 4 x seals, 12 x press fittings M-shape, 2 x distributor covers for tool-free mounting
	Distributor kit KSP to-go² 1200	Box 6M*	3 x four-tube distributors, 2 x two-tube distributors with venting and 3/4" connection, 2 x stainless steel corrugated hoses 30 cm DN 16, 4 x seals, 16 x press fittings M-shape, 2 x distributor covers for tool-free mounting
	Connection kit KSP to-go² 600	Box 7M*	1 x connection cover for tool-free mounting, 4 x press fittings M-shape
	Connection kit KSP to-go² 900	Box 8M*	1 x connection cover for tool-free mounting, 6 x press fittings M-shape
	Connection kit KSP to-go² 1200	Box 9M*	1 x connection cover for tool-free mounting, 8 x press fittings M-shape
	KSP to-go² Linear LED lighting	Box 10	4 x LED luminaires, 4 x connection cables 3 x 0,75 mm ² (30 cm), 1 x connection cable 3 x 0,75 mm ² (300 cm), 4 x "invisible" connecting plugs, 4 x end caps, 12 x special mounting clips

* Standard for Boxes 4 to 9 are fittings with M-shape. If you prefer V-shape, please change the letter "M" in the order no. to letter "V", for example: Box 7V

Visit our website! There you will find a lot of additional information, like our online calculator, assembly instructions, many reference photos, tips and tricks, project examples and much more.



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