

MODULAR  
CLIMATE  
CEILING

Partnership



	PareauLux-30BD Aluminum			PareauLux-30BD Steel			PareauLux-HeartFelt®		PareauLux-Solid Wood Grid		Standard
	Aluminum	Aluminum	Aluminum	Steel	Steel	Steel	Felt	Felt	Wood	Wood	MeandRo
	Unperforated linear grill ceiling panel	Unperforated linear grill ceiling panel (with additional sound absorption layer)	Perforated grill ceiling panel with acoustic membrane	Unperforated linear grill ceiling panel with glued-in acoustical fleese	Unperforated linear grill ceiling panel (with additional absorber package)	Perforated linear grill ceiling panel with glued-in acoustical fleese	Felted linear grill ceiling panel	Felt linear grill ceiling panel (with additional absorption package)	Wooden linear grill ceiling panel	Wooden linear grill ceiling panel (with additional absorption package)	Metal ceiling panel (with additional absorption package)
Structure of ceiling	Upper copper diffusion-tight climate system, aluminum panel as visible product.	Absorption package, cavity, copper diffusion-tight climate system, aluminum panel as visible product.	Upper copper diffusion-tight climate system, aluminum panel as visible product.	Upper copper diffusion-tight climate system, steel panel as visible product.	Upper copper diffusion-tight climate system, steel panel as visible product.	Absorption package, cavity, copper diffusion-tight climate system, steel panel as visible product.	Upper copper diffusion-tight climate system, felt panel as visible product.	Absorption package, cavity, copper diffusion-tight climate system, felt panel as visible product.	Introducing copper diffusion-proof climate system, wooden panel as visible product.	Absorption package, cavity, upholstered copper diffusion-proof climate system, wooden panel as visible product.	Copper diffusion-proof climate system, used in metal ceiling panel.
Structure of climate element	Copper pipe soldered onto aluminum expanded metal.	Copper pipe soldered onto aluminum expanded metal.	Copper pipe soldered onto aluminum expanded metal.	Copper pipe soldered onto steel expanded metal.	Copper pipe soldered onto steel expanded metal.	Copper pipe soldered onto steel expanded metal.	Copper pipe soldered onto aluminum expanded metal.	Copper pipe soldered onto aluminum expanded metal.	Copper pipe soldered onto aluminum expanded metal.	Copper pipe soldered onto aluminum expanded metal.	Copper pipe soldered onto aluminium expanded metal, laid loosely in metal ceiling panel.
Connecting element - element / element - distribution lines	Butyl rubber hose with braiding, fitted with quick-release couplings.	Butyl rubber hose with braiding, fitted with quick-release couplings.	Butyl rubber hose with braiding, fitted with quick-release couplings.	Butyl rubber hose with braiding, fitted with quick-release couplings.	Butyl rubber hose with braiding, fitted with quick-release couplings.	Butyl rubber hose with braiding, fitted with quick-release couplings.	Butyl rubber hose with braiding, fitted with quick-release couplings.	Butyl rubber hose with braiding, fitted with quick-release couplings.	Butyl rubber hose with braiding, fitted with quick-release couplings.	Butyl rubber hose with braiding, fitted with quick-release couplings.	Butyl rubber hose with braiding, fitted with quick-release couplings.
Distribution lines	RiXc / Copper / Steel	RiXc / Copper / Steel	RiXc / Copper / Steel	RiXc / Copper / Steel	RiXc / Copper / Steel	RiXc / Copper / Steel	RiXc / Copper / Steel	RiXc / Copper / Steel	RiXc / Copper / Steel	RiXc / Copper / Steel	RiXc / Copper / Steel
Water-side cooling capacity											
- In accordance with EN-14240 at $\Delta T = 8K$	123 W/m <sup>2</sup> <sup>1)</sup>	70-98 W/m <sup>2</sup> <sup>1)</sup>	123 W/m <sup>2</sup> <sup>1)</sup>	123 W/m <sup>2</sup> <sup>1)</sup>	70-98 W/m <sup>2</sup> <sup>1)</sup>	123 W/m <sup>2</sup> <sup>1)</sup>	128 W/m <sup>2</sup> <sup>1)4)</sup>	77 - 102 W/m <sup>2</sup> <sup>1)4)</sup>	130 W/m <sup>2</sup> <sup>1)</sup>	78-104 W/m <sup>2</sup> <sup>1)</sup>	69 - 79 W/m <sup>2</sup> <sup>1)</sup>
Water-side heating capacity											
- Based on EN 14037 at $\Delta T = 15K$	78 W/m <sup>2</sup> <sup>1)3)</sup>	47-62 W/m <sup>2</sup> <sup>1)</sup>	78 W/m <sup>2</sup> <sup>1)3)</sup>	78 W/m <sup>2</sup> <sup>1)3)</sup>	47 - 62 W/m <sup>2</sup> <sup>1)</sup>	78 W/m <sup>2</sup> <sup>1)3)</sup>	58 W/m <sup>2</sup> <sup>1)3)4)</sup>	35 - 46 W/m <sup>2</sup> <sup>1)4)</sup>	74 W/m <sup>2</sup> <sup>1)3)</sup>	44 - 59 W/m <sup>2</sup> <sup>1)</sup>	97 - 112 W/m <sup>2</sup> <sup>1)</sup>
Technology											
Diffusion-proof in accordance with DIN standard 4726	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Diffusion-proof	++	++	++	++	++	++	++	++	++	++	++
Geluid											
Noise absorption $\alpha_w$	n/a	0,90	0,45	n/a	0,90	0,45	0,60	0,95	n/a	0,90	0,75 - 0,95
Room to room sound attenuation damping value	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	++
Model											
Required installation height	≥ 140 mm <sup>2)</sup>	≥ 180 mm <sup>2)</sup>	≥ 140 mm <sup>2)</sup>	≥ 140 mm <sup>2)</sup>	≥ 180 mm <sup>2)</sup>	≥ 140 mm <sup>2)</sup>	≥ 160/185 (h=80mm) mm <sup>2)</sup>	≥ 200/225 (h=80mm) mm <sup>2)</sup>	≥ 125 mm <sup>2)</sup>	≥ 160 mm <sup>2)</sup>	≥ 150 mm <sup>3)</sup>
Flexibility in respect to customisation	+	+	+	+	+	+	+	+	+	+	+++
Integration of installation elements	+	+	+	+	+	+	+	+	+	+	+++
Accessibility of ceiling void	++	++	++	++	++	++	++	++	+/-	+/-	+++
Sustainability											
Recyclability	+++	+++	+++	+++	+++	+++	+++	+++	+++	+++	+++
Suitable for PPS projects	+	+	+	+	+	+	+	+	+	+	+++

<sup>1)</sup> Depending on the pitch distance used and the structure of the ceiling system. <sup>2)</sup> Depending on the model. A smaller installation height is often possible. <sup>3)</sup> Dependent on the height of the ceiling void. Your Inteco advisor will be happy to provide you with more information. <sup>4)</sup> Different module dimensions possible.