

Prices are valid from 1st. May 2023

## SOPHITO - PLAFOND PANELEN

CODE	Paneel breedte mm (secties) x lengte mm in RAL 9016	Bruto ex. BTW
SPS-07211000-01	SPS-721(6 sec.)-1000-9016 (721 mm breed x 1000 mm lang)	1.157
SPS-07211200-01	SPS-721(6 sec.)-1200-9016	1.311
SPS-07211400-01	SPS-721(6 sec.)-1400-9016	1.394
SPS-07211600-01	SPS-721(6 sec.)-1600-9016	1.433
SPS-07211800-01	SPS-721(6 sec.)-1800-9016	1.450
SPS-07212000-01	SPS-721(6 sec.)-2000-9016	1.459
SPS-07212200-01	SPS-721(6 sec.)-2200-9016	1.473
SPS-07212400-01	SPS-721(6 sec.)-2400-9016	1.499
SPS-07212600-01	SPS-721(6 sec.)-2600-9016	1.543
SPS-07212800-01	SPS-721(6 sec.)-2800-9016	1.604
SPS-07213000-01	SPS-721(6 sec.)-3000-9016	1.683
SPS-07213200-01	SPS-721(6 sec.)-3200-9016	1.776
SPS-07213400-01	SPS-721(6 sec.)-3400-9016	1.879
SPS-07213600-01	SPS-721(6 sec.)-3600-9016	1.986
SPS-07213800-01	SPS-721(6 sec.)-3800-9016	2.093
SPS-07214000-01	SPS-721(6 sec.)-4000-9016	2.195
SPS-07214200-01	SPS-721(6 sec.)-4200-9016	2.285
SPS-07214400-01	SPS-721(6 sec.)-4400-9016	2.362
SPS-07214600-01	SPS-721(6 sec.)-4600-9016	2.422
SPS-07214800-01	SPS-721(6 sec.)-4800-9016	2.467
SPS-07215000-01	SPS-721(6 sec.)-5000-9016	2.499
SPS-07215200-01	SPS-721(6 sec.)-5200-9016	2.525
SPS-07215400-01	SPS-721(6 sec.)-5400-9016	2.555
SPS-07215600-01	SPS-721(6 sec.)-5600-9016	2.602
SPS-07215800-01	SPS-721(6 sec.)-5800-9016	2.687
SPS-07215900-01	SPS-721(6 sec.)-5900-9016	2.751
SPS-09651000-01	SPS-965(8 sec.)-1000-9016 (965 mm breed x 1000 mm lang)	1.467
SPS-09651200-01	SPS-965(8 sec.)-1200-9016	1.557
SPS-09651400-01	SPS-965(8 sec.)-1400-9016	1.643
SPS-09651600-01	SPS-965(8 sec.)-1600-9016	1.725
SPS-09651800-01	SPS-965(8 sec.)-1800-9016	1.802
SPS-09652000-01	SPS-965(8 sec.)-2000-9016	1.875
SPS-09652200-01	SPS-965(8 sec.)-2200-9016	1.943
SPS-09652400-01	SPS-965(8 sec.)-2400-9016	2.007
SPS-09652600-01	SPS-965(8 sec.)-2600-9016	2.067
SPS-09652800-01	SPS-965(8 sec.)-2800-9016	2.122
SPS-09653000-01	SPS-965(8 sec.)-3000-9016	2.176
SPS-09653200-01	SPS-965(8 sec.)-3200-9016	2.330
SPS-09653400-01	SPS-965(8 sec.)-3400-9016	2.468
SPS-09653600-01	SPS-965(8 sec.)-3600-9016	2.590
SPS-09653800-01	SPS-965(8 sec.)-3800-9016	2.698
SPS-09654000-01	SPS-965(8 sec.)-4000-9016	2.795
SPS-09654200-01	SPS-965(8 sec.)-4200-9016	2.882
SPS-09654400-01	SPS-965(8 sec.)-4400-9016	2.962
SPS-09654600-01	SPS-965(8 sec.)-4600-9016	3.035
SPS-09654800-01	SPS-965(8 sec.)-4800-9016	3.105
SPS-09655000-01	SPS-965(8 sec.)-5000-9016	3.173
SPS-09655200-01	SPS-965(8 sec.)-5200-9016	3.241
SPS-09655400-01	SPS-965(8 sec.)-5400-9016	3.310
SPS-09655600-01	SPS-965(8 sec.)-5600-9016	3.384
SPS-09655800-01	SPS-965(8 sec.)-5800-9016	3.463
SPS-09655900-01	SPS-965(8 sec.)-5900-9016	3.506
SPS-12091000-01	SPS-1209(10 sec.)-1000-9016 (1209 mm breed x 1000 mm lang)	1.842
SPS-12091200-01	SPS-1209(10 sec.)-1200-9016	1.950
SPS-12091400-01	SPS-1209(10 sec.)-1400-9016	2.053
SPS-12091600-01	SPS-1209(10 sec.)-1600-9016	2.152
SPS-12091800-01	SPS-1209(10 sec.)-1800-9016	2.245
SPS-12092000-01	SPS-1209(10 sec.)-2000-9016	2.334
SPS-12092200-01	SPS-1209(10 sec.)-2200-9016	2.418

SPS-12092400-01	SPS-1209(10 sec.)-2400-9016	2.498
SPS-12092600-01	SPS-1209(10 sec.)-2600-9016	2.572
SPS-12092800-01	SPS-1209(10 sec.)-2800-9016	2.642
SPS-12093000-01	SPS-1209(10 sec.)-3000-9016	2.707
SPS-12093200-01	SPS-1209(10 sec.)-3200-9016	2.887
SPS-12093400-01	SPS-1209(10 sec.)-3400-9016	3.049
SPS-12093600-01	SPS-1209(10 sec.)-3600-9016	3.193
SPS-12093800-01	SPS-1209(10 sec.)-3800-9016	3.324
SPS-12094000-01	SPS-1209(10 sec.)-4000-9016	3.442
SPS-12094200-01	SPS-1209(10 sec.)-4200-9016	3.549
SPS-12094400-01	SPS-1209(10 sec.)-4400-9016	3.648
SPS-12094600-01	SPS-1209(10 sec.)-4600-9016	3.741
SPS-12094800-01	SPS-1209(10 sec.)-4800-9016	3.830
SPS-12095000-01	SPS-1209(10 sec.)-5000-9016	3.917
SPS-12095200-01	SPS-1209(10 sec.)-5200-9016	4.004
SPS-12095400-01	SPS-1209(10 sec.)-5400-9016	4.093
SPS-12095600-01	SPS-1209(10 sec.)-5600-9016	4.186
SPS-12095800-01	SPS-1209(10 sec.)-5800-9016	4.285
SPS-12095900-01	SPS-1209(10 sec.)-5900-9016	4.338
SPS-14531000-01	SPS-1453(12 sec.)-1000-9016 (1453mm breed x 1000 mm lang)	2.144
SPS-14531200-01	SPS-1453(12 sec.)-1200-9016	2.274
SPS-14531400-01	SPS-1453(12 sec.)-1400-9016	2.399
SPS-14531600-01	SPS-1453(12 sec.)-1600-9016	2.517
SPS-14531800-01	SPS-1453(12 sec.)-1800-9016	2.630
SPS-14532000-01	SPS-1453(12 sec.)-2000-9016	2.738
SPS-14532200-01	SPS-1453(12 sec.)-2200-9016	2.839
SPS-14532400-01	SPS-1453(12 sec.)-2400-9016	2.935
SPS-14532600-01	SPS-1453(12 sec.)-2600-9016	3.025
SPS-14532800-01	SPS-1453(12 sec.)-2800-9016	3.110
SPS-14533000-01	SPS-1453(12 sec.)-3000-9016	3.188
SPS-14533200-01	SPS-1453(12 sec.)-3200-9016	3.404
SPS-14533400-01	SPS-1453(12 sec.)-3400-9016	3.597
SPS-14533600-01	SPS-1453(12 sec.)-3600-9016	3.770
SPS-14533800-01	SPS-1453(12 sec.)-3800-9016	3.927
SPS-14534000-01	SPS-1453(12 sec.)-4000-9016	4.068
SPS-14534200-01	SPS-1453(12 sec.)-4200-9016	4.198
SPS-14534400-01	SPS-1453(12 sec.)-4400-9016	4.317
SPS-14534600-01	SPS-1453(12 sec.)-4600-9016	4.430
SPS-14534800-01	SPS-1453(12 sec.)-4800-9016	4.537
SPS-14535000-01	SPS-1453(12 sec.)-5000-9016	4.642
SPS-14535200-01	SPS-1453(12 sec.)-5200-9016	4.747
SPS-14535400-01	SPS-1453(12 sec.)-5400-9016	4.854
SPS-14535600-01	SPS-1453(12 sec.)-5600-9016	4.966
SPS-14535800-01	SPS-1453(12 sec.)-5800-9016	5.086
SPS-14535900-01	SPS-1453(12 sec.)-5900-9016 (1453 mm breed x 5900 mm lang)	5.149

#### EXTRA CHARGE

ORDER CODE	DESCRIPTION	
COLOUR	RAL 9016	Standard
	Other colours from colour palette	20%
	Colours from RAL K7 classic glass palette	30%
	Kleur op verzoek	na offerte

Prices including mounting set

Prices are listed in EUR without VAT and delivery.

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# Parameters and specifications

## Technical details

### Dimensions

Number of sections	6, 8, 10, 12 parallel sections
Width W	721, 965, 1 209, 1 453 mm
Length L	1 000–5 900 mm, 10 mm increments

### Operating temperature

Heating	Up to 90 °C, normally up to 40 °C, according to ceiling height
Cooling	Up to 16 °C (no condensation cooling)

### Operating pressure

Max. 3 bar

### Ambient conditions

Temperature	+2 to +40 °C
Humidity	20–70 %

### Area weight

Approx. 10 kg/m<sup>2</sup>

### Distance from ceiling

150–200 mm or more

## Output/m<sup>2</sup>



Heating output at temperature gradient  $\Delta T$  15 K is **185 W/m<sup>2</sup>**



Cooling output at temperature gradient  $\Delta T$  10 K is **144,2 W/m<sup>2</sup>**

- Cooling and heating through radiant exchange produces a surface cooling effect with low temperature differences, resulting in very pleasant ambient comfort.
- Subsequently, the air is affected causing additional movement.
- This produces a convection cooling component.

## Performance parameters per panel meter (length)

	6 sections (721 mm)	8 sections (965 mm)	10 sections (1 209 mm)	12 sections (1453 mm)
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### Temperature gradient

Heating output

$\Delta T$ 7,5 K (30/25/20 °C)	60 W	80 W	101 W	121 W
$\Delta T$ 12,5 K (35/30/20 °C)	108 W	145 W	181 W	218 W
$\Delta T$ 17,5 K (40/35/20 °C)	159 W	213 W	267 W	321 W



### Temperature gradient

Cooling output

$\Delta T$ 8,5 K (16/19/26 °C)	87 W	117 W	146 W	175 W
$\Delta T$ 6,5 K (18/21/26 °C)	65 W	87 W	109 W	131 W

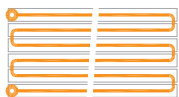


## Piping Connection

The fluid flows in a meander pattern through the pipe. Larger panels feature two circuits for efficient flow. The panels connect to a two-pipe heating/cooling system.

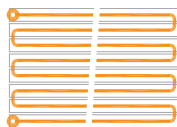
### 6 sections

1 000–3 400 mm



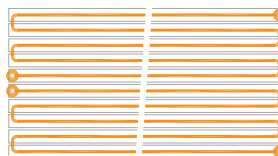
### 8 sections

1 000–3 400 mm



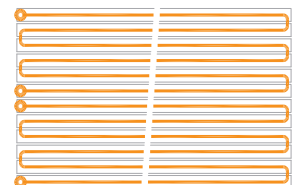
### 10 sections

1 000–5 900 mm



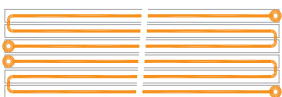
### 12 sections

1 000–5 900 mm



### 6 sections

3 500–5 900 mm



### 8 sections

3 500–5 900 mm

