

Calento SLG	IP units	SI units
<b>Technical data</b>		
Solar air collector type	flat-plate, glazed, closed-loop	
Working fluid	air only	
Main use and purpose	Space air heating	
Peak solar efficiency	65%	
Maximum power output	206 BTU/hr per sq.ft.	650 W/m <sup>2</sup>
Maximal air throughflow per collector surface	5 pcm/sq.ft.	90 m <sup>3</sup> /h per m <sup>2</sup>
Pressure drop @ maximum throughflow	1.6 in. H <sub>2</sub> O	400 Pa
Maximum temperature rise above ambient	108°F	60°C
<b>Absorber panel</b>		
Panel material	Aluminum alloy 99.8, Temper H18	
Absorber thickness	0.028 in.	0.7 mm
Available colors, selective	blue, black	
Absorbivity in thermal spectrum	95%	
Emissivity in thermal spectrum	<3%	
<b>Polycarbonate cover</b>		
Thickness	1.6 in.	40 mm
Panel width	20 in.	500 mm
Panel length	not limited	
Panel structure	7 walls, 6 cavities	
Thermal resistance	0.19 BTU/hr/ft <sup>2</sup> /°F	1.1 W/m <sup>2</sup> /°C
Light transmissivity	65%	
Standard color	clear	
<b>Mounted collector system, on site</b>		
Overall collector depth	4-12 in.	10-30 mm
Weight per surface area, including framing	10 lbs per sq.ft.	kg/m <sup>2</sup>
Internal mount structure	Zee's and hats, 18 ga. steel	
Outer framing	extruded aluminum	
Maintenance requirement	none	
Freeze protection	unnecessary	
Overheating protection	unnecessary	
<b>Ratings &amp; certifications</b>		
Solar Rating Certification Corp. certificate no.	SRCC 10002148	
Solar Keymark certificate no.	011-7S3114 L	
Test laboratory	Fraunhofer ISE, Germany	