



IRCON | SOLARONICS

## GEM 12-HI Emitter

Superior drying performance leading to reduced energy costs.



**Solaronics SAS**  
ZI n°3, rue du Kimmel  
59280 Armentières  
France  
T +33 3 20 10 59 49

**Ircon Drying System AB**  
Svertsvargaten 8  
SE-462 56 Vänersborg  
Sweden  
T +46 521 27 69 70

**Ircon Drying Systems Corp.**  
849 Pickens Industrial Drive  
Allgood – 75 Business Park  
Suite 19  
Marietta, GA 30062, USA  
T +1 770 675 3773

**Solaronics Drying Technology  
(Shanghai) Company Limited**  
Room 1006A, N°31, Lane 168  
Suite 19  
Daduhe Road  
Shanghai, 200062 China  
T +81 21 5283 2028

Contact us at:  
[sales@ircon-solaronics.com](mailto:sales@ircon-solaronics.com)



IRCON | SOLARONICS

## The GEM 12-HI

The Ircon-Solaronics GEM 12-HI emitter combines the long-proven ceramic technology together with a new designed 3D lattice\* screen.

The geometry was created using the most modern manufacturing techniques and leads to the possibility to use of a SiC based 3-D lattice with an excellent resistance to high temperatures and to thermal shocks, while having a low thermal inertia and excellent life time.

The GEM 12-HI high radiative efficiency is mainly due to the following features:

- use of solid ceramic material operating at 1,150°C (2,100 F)
- high density SiC lattice facing the ceramic tile to extract additional energy from the hot exiting flue gases, acting as a secondary heat exchanger.

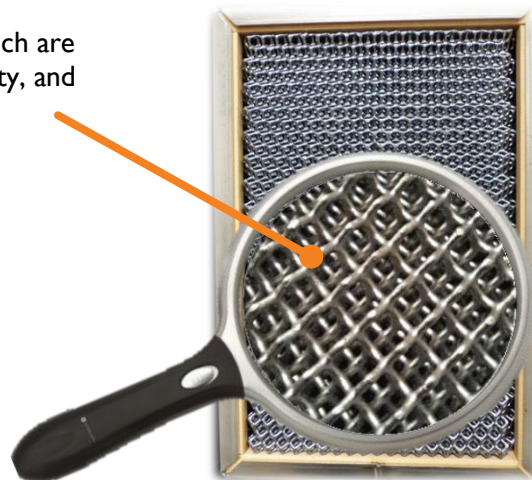
On top, the rapid cool-down and heat-up allows for quicker nominal performance as well as faster and safer shutdown.

This new 3-D lattice is made of multiple layers of Silicon Carbide (Si-SiC) which are 3-D printed into a carefully constructed design which allow a higher emissivity, and which increases the radiant surface area.



### HIGH POWER & LOW EMISSIONS

- MAX INPUT POWER **10.5kW/367kW/m<sup>2</sup>**
- GUARANTEED LIFETIME **4 years**
- EXPECTED LIFETIME **8 years**
- DIMENSIONS **150 x 200 mm or 143 x 204 mm**



**ALREADY MORE THAN 6 500 UNITS INSTALLED**



**ECO**

**UP TO 25% GUARANTEED ENERGY SAVINGS**

**DISCOVER OUR SOLUTIONS TO REDUCE  
YOUR OPERATING COSTS AND EMISSIONS**

\*lattice: crossed grid framework

