

# RADIANANT

## ELECTRIC HEAT

1248CL Lay-In Ceiling Heater



1648CL Lay-In Ceiling Heater



945C Cove



Radiant Electric Heat makes its CeramiCircuit™ element with a high purity 99.8% aluminum oxide (alumina) ceramic. The element's high density, diamond like hardness, stability at high temperature, low thermal expansion, dielectric strength, corrosion resistance, stiffness to weight ratio, fine grain structure, and biocompatibility, make REH's panel the ideal heating choice for residential, commercial and industrial applications. Once our element quickly heats a room to a desired temperature, our heater cycles off. Despite using no power, the element maintains a high surface area temperature. This equals substantially lower heating cost.

**ceramicircuit**

## HOW IT WORKS



CeramiCircuit™ Radiant Electric Heaters provide rapid response comfort in as little as 5 minutes. The combination of our exclusive element and excellent design provides for maximum output of infrared energy. This assures maximum comfort at minimum operating expense. The room and everything in it are evenly warmed by this heat energy.

Every object absorbs, re-radiates and reflects the heat in all directions, creating unparalleled comfort and even temperatures throughout the space. Stratification is not an issue as it is with all convective HVAC systems. Comfort is also maximized by the elimination of air movement. A Ten Year Non-prorated Limited Warranty, an operational life measured in decades, and no service requirements, all mean additional savings and quicker return on your investment.



Infrared Radiant  
Heat is Green

**RADIANANT**  
ELECTRIC HEAT



# ceramicircuit

## COVE & SURFACE MOUNT CEILING HEATERS

High Efficiency Ceramic Infrared Panels



945 Cove TJC & Associates Environmental Engineering

Standard colors are White or Beige, with Black available as a standard option for the 1445 and 945 models. Mounting brackets are included.

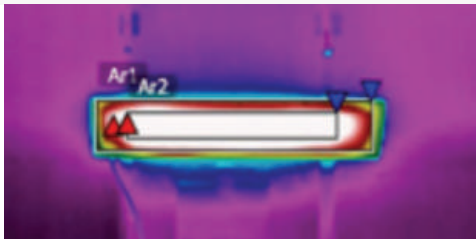


1445 Cove & CL Hot Yoga Studio Cleveland, OH  
Photo Courtesy of Heating Green

MODEL	DIMENSIONS	WATTS	BTU'S	SHIP WT.
632C	33" L x 7" H x 5.5" D	585	1989	11lbs
645C	46" L x 7" H x 5.5" D	825	2817	15lbs
945C & 945CL	46" L x 10" H x 7.5" D	1000	3414	20lbs
1445C & 1445CL	46" L x 15" H x 10" D	1500	5150	28lbs

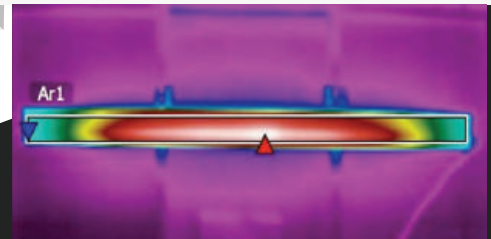
## CERAMICIRCUIT VS COMPETING COVE HEATER

### CERAMICIRCUIT



Our proprietary 585 Watt CeramiCircuit heating element embedded in a porcelain coated carbon steel emitter covered by a 10-year warranty. Average surface temperature of 312.4 °F, 4.2% larger emitting surface and 2.5% lower electrical draw results in a 52% efficiency advantage for our CeramiCircuit Radiant Heater.

### COMPETITOR



Other manufacturers 600 Watt Calrod heating element enclosed in an extruded aluminum emitter with only a 1-year warranty. Average surface temperature of 219.2 °F.

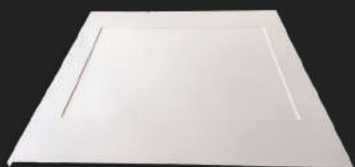


## Lay-In Ceiling Heaters

High Efficiency Ceramic Infrared Panels



The thermal images to the right illustrate the nearly 200 degrees higher surface temperature of a CeramiCircuit™ Lay-In Ceiling Heater versus the competition. Due to the ability of the CeramiCircuit™ element to store thermal energy in its core and release it after the unit has powered down, it actually gives off as much heat energy in the 10 minutes after it is turned off as the competing unit projects into the space in 10 minutes while fully charged. These unique abilities lead to quicker recovery of comfort set points and lower cost of operation.

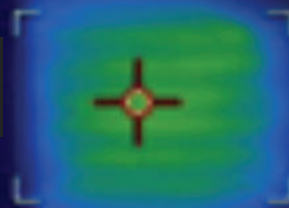


- For installation in T-Bar suspended ceilings.
- 10 Year Limited Warranty.
- Reaches full heating potential in 5 to 7 minutes.
- Perfect for supplemental or whole building applications.
- 67% more Watt output per unit than competitive units allows for use in tough applications such as hot yoga or higher ceilings.
- 1248CL is the only electric radiant heater certified for fit and finish for integration with Armstrong TechZone™ ceiling system.

MODEL	DIMENSIONS	WATTS	BTU'S	SHIP WT.
	L H D			
1624CL	24" x 24" x 3"	625	2134	21lbs
	120 volt/5.2 amps   208 volt/3.0 amps   240 volt/2.6 amps	277 volt/2.3 amps		
1248CL	12" x 48" x 3"	750	2559	21lbs
	120 volt/6.3 amps   208 volt/3.6 amps   240 volt/3.1 amps	277 volt/2.7 amps		
1648CL	24" x 48" x 3"	1250	4268	38lbs
	120 volt/10.4 amps   208 volt/6.0 amps   240 volt/5.2 amps	277 volt/4.6 amps		

241 °F

Maximum Temperature  
Other MFG.



425 °F

Maximum Temperature  
REH 1624 CL



- ♦For supply connections, use wire suitable for at least 90°C.
- ♦For T-Bar installations, the plenum height must be minimum 6 inches.
- ♦Minimum spacing of 24 inches from adjacent walls and other heaters.
- ♦Minimum spacing of 6 inches from sprinkler heads or any heat sensing.





## 1248CL Lay-In Ceiling Heaters

High Efficiency Ceramic Infrared Panels

## Armstrong TechZone™ Ceiling System Compatible High Efficiency Ceramic Infrared Panels

Specify the CeramiCircuit™ 1248CL with confidence. Our panel is the only Armstrong Ceiling Systems TechZone™ Approved Partner Radiant Heating Solution. To save you time, we've teamed with the industry leader, Armstrong Ceiling Solutions®, to assure fit and finish. There's no need to research fixture compatibility for your ceiling layout. Our 1248CL fits seamlessly into the Armstrong TechZone™ Ceiling System helping you create a custom visual. Contact us to see how using the 1248CL and Armstrong TechZone™ Ceiling Systems can make specification and installation easy, reducing time and labor cost. For more information on Armstrong TechZone™ Ceiling Systems please visit

<http://www.armstrongceilings.com/techzone>

- Only approved TechZone™ Solutions Partner effective for supplemental and spot heating.
- Fast acting and efficient with the Industries highest downward Radiant output.
- Pre-qualified for fit and finish in Armstrong TechZone™ Ceiling Systems.
- Easy lay-in installation with no individual suspension required.



MODEL	DIMENSIONS			WATTS	BTU'S	SHIP WT.
	L	H	D			
1248CL	12"	48"	3"	750	2559	21lbs
120 volt/6.3 amps   208 volt/3.6 amps   240 volt/3.1 amps   277 volt/2.7 amps						

Please see our website [www.electricheat.com](http://www.electricheat.com) for information on our 10 year warranty, specifications and submittals, available thermostats and a variety of other product information. For immediate help with questions, pricing, and availability please call 800-774-4450 or email [sales@electricheat.com](mailto:sales@electricheat.com)