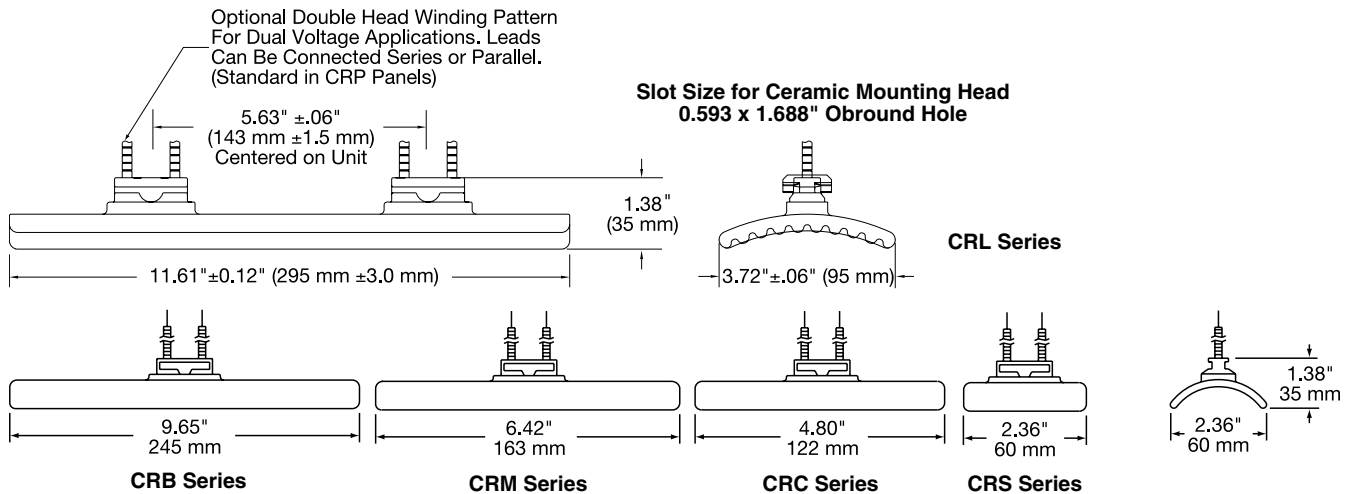


Curved Face Ceramic Radiant Heaters

Ceramic E-Mitters

- 5 Standard Solid Curved Face Sizes to Accomodate a Wide Range of New or Existing Applications
- Universal Mount Designed to be Dropped into Existing Systems Regardless of Manufacturer
- Standard Colors are Metamorphing Rose (Cold) to Grey (Hot), and Traditional White. Optional Colors are Metamorphing Yellow (Cold) to Orange (Hot), and Black
- Standard Stocked Voltage: 120 or 220/240V as Noted; Other Voltages are Available
- Available with Built-In Type K Thermocouple— Type J Thermocouple and Low Noise Options are Also Available
- Long Operating Life—Over 10,000-Plus Hours of Continuous Operation Under Normal Conditions
- Performance is Unaffected By Vibration or Adverse Atmospheric Conditions
- 2.5 to 6 μm Infrared Radiation Wavelength



Custom Engineered/Manufactured Heaters

Understanding that an electric heater can be very application specific, for sizes and ratings not listed, OMEGA[®] can manufacture a Ceramic E-Mitter to meet your requirements.

Please Specify the Following:

- **Colors:** Standard are metamorphing rose and straight white, optional are metamorphing yellow and straight black
- **Wattage:** Up to 43 watts/in² (6.7 watts/cm²)
- **Voltage:** 120, 208, 240, 277, 480 Vac and others (dependent on design)
- **Thermocouple:** Standard Type K (Type J optional) or Low Noise Type K (Type J optional)



Curved Face Ceramic E-Mitters 95 x 295 mm (3.72 x 11.61")

CRL Series

Optional Features

- Additional Power or Thermocouple Lead Lengths
- Two-Piece Wave Mounting Clip
- Reflectors and Other Accessories
- Arrays and Power/Temperature Control Panels

E-Mitters listed have 152 mm (6") ceramic bead insulated leads, #8-10 spade terminals, and one-piece spring clips for mounting in 20 or 22 gauge sheet metal.



CRL Series in rose (cold) to grey (hot) shown smaller than actual size.

To Order Visit omega.com/crl_series for Pricing and Details

Model Number			Wattage	Voltage Vac	Color	Watt Density*		Heater Body Temperature**		Peak Emitted Wavelength***
Without Thermocouple	Standard Type K Thermocouple	Low Noise Type K Thermocouple				W/in ²	W/cm ²	°F	°C	
CRL20021	—	CRL20022	500	120	Yellow to Orange	11.9	1.9	796	424	4.15
CRL10009	CRL10010	—	500	220 to 240	Rose to Grey	11.9	1.9	796	424	4.15
CRL00009	CRL00010	—	500	220 to 240	White	11.9	1.9	796	424	4.15
CRL20023	—	CRL20024	500	240/480	Yellow to Orange	11.9	1.9	796	424	4.15
CRL20025	—	CRL20026	750	120	Yellow to Orange	17.9	2.8	956	513	3.68
CRL10011	CRL10012	—	750	220 to 240	Rose to Grey	17.9	2.8	956	513	3.68
CRL00011	CRL00012	—	750	220 to 240	White	17.9	2.8	956	513	3.68
CRL20027	—	CRL20028	750	240/480	Yellow to Orange	17.9	2.8	956	513	3.68
CRL10001	CRL10002	—	950	220 to 240	Rose to Grey	22.7	3.5	1053	567	3.45
CRL00001	CRL00002	—	950	220 to 240	White	22.7	3.5	1053	567	3.45
CRL10013	CRL10014	—	1000	220 to 240	Rose to Grey	23.9	3.7	1076	580	3.40
CRL00013	CRL00014	—	1000	220 to 240	White	23.9	3.7	1076	580	3.40
CRL20029	—	CRL20030	1000	240/480	Yellow to Orange	23.9	3.7	1076	580	3.40
CRL10003	CRL10004	—	1150	220 to 240	Rose to Grey	27.5	4.3	1145	618	3.25
CRL00003	CRL00004	—	1150	220 to 240	White	27.5	4.3	1145	618	3.25
CRL20031	—	CRL20032	1250	240/480	Yellow to Orange	29.9	4.6	1191	644	3.16
CRL10015	CRL10016	—	1400	480	Rose to Grey	33.5	5.2	1262	683	3.03
CRL00015	CRL00016	—	1400	480	White	33.5	5.2	1262	683	3.03
CRL20033	—	CRL20034	1500	240/480	Yellow to Orange	35.9	5.6	1308	709	2.95
CRL10017	CRL10018	—	1600	480	Rose to Grey	38.2	5.9	1351	733	2.88
CRL00017	CRL00018	—	1600	480	White	38.2	5.9	1351	733	2.88
CRL10019	CRL10020	—	1800	480	Rose to Grey	43.0	6.7	1418	770	2.78
CRL00019	CRL00020	—	1800	480	White	43.0	6.7	1418	770	2.78

* Watt density calculated using heater face surface area.

** E-Mitter heater body temperature as measured with internal thermocouple when mounted facedown in stock CRK reflector and operating in 22°C (72°F) room ambient.

*** Peak infrared radiation wavelength as calculated from Wien's Law, for operating temperature shown. Expressed in microns (μm).

Notes: All 240/480V heaters have two windings for dual voltage use. (Parallel connected for 240V and series connected for 480V) 120V heaters are single winding designs Units with an internal "low noise" style thermocouple have 12" leads. Standard Type "K" thermocouple units also available. Heaters with yellow to orange color are exact replacements for heaters in CRP Modular 12 x 12 CRP Radiant Panels.

Ordering Example: CRL10010, radiant heater with K thermocouple, 120 Vac, yellow to orange color.