



SECTION 23 83 33

ELECTRIC RADIANT HEATERS
ECLIPSE

Product	Product Code (US/CA)	Wattage	Heat Area	Current
Eclipse Electric	BH0920001-1	2900	121ft ²	11.4A (220V) 11.8A (230V) 12.1A (240V)
Eclipse Portable	BH0820001-1	2900	121ft ²	11.4A (220V) 11.8A (230V) 12.1A (240V)

PART 1 GENERAL

1.1 SUBMITTALS

A. Action Submittals:

1. Product Data: Manufacturer's descriptive data and product attributes including heat output and heat distribution area, control components and connections, mounting hardware, and installation instructions.

B. Closeout Submittals:

1. Operation and Maintenance Data.
2. Hand remote control units to the Owner at Substantial Performance of the work.

1.2 QUALITY ASSURANCE

A. Regulatory Requirements: Radiant heaters and installation are to be in accordance with requirements of:

- a. UL 2021 Fixed and Location-Dedicated Electric Room Heaters
- b. NFPA 70, National Electrical Code
- c. ANSI/IEC 60529, Degrees of Protection by Enclosures (IP Code)
- d. State or Municipal requirements

1.3 WARRANTY

A. Manufacturer's standard warranty against parts failure for durations as specified with the heaters.

PART 2 PRODUCTS

2.1 MANUFACTURERS

A. Contract documents are based on Bronic Heating www.bronic.com

B. Substitutions: Not permitted.

2.2 INDOOR/OUTDOOR WALL OR CEILING MOUNTING RADIANT HEATERS AND CONTROLS

A. Heater: Bronic "ECLIPSE SMART-HEAT", ANSI/IEC 60529 IP54 rated, 28-inch diameter, 220-240 VAC, 2900 watt output matte black heaters for wall or ceiling pole mounting and equipped with:

1. A premium coated type 304 stainless steel heater head with ceramic glass screen and adjustable 33/66/100% heat.
2. Wall Mount: Double coated steel wall mount bracket
3. Ceiling Mount: A premium double coated steel 24-inch twin straight ceiling mounting pole (included), 24-inch straight ceiling mount pole, 24-inch curved ceiling mount pole, 48-inch straight ceiling mount pole, or 8-inch straight ceiling mount pole.
4. A perimeter 13 watt, 24VDC, 216.6 lumen, 3000K, warm white.
5. A 1 year parts warranty.

B. Control Components:

1. "Eclipse Dimmer Controller" 220-240V VAC wireless Eclipse dimmer controllers, ANSI/IEC 60529 IP54 rated, with 7-channel remote supplied loose, each capable of wireless dimming and ON/OFF control, heat output adjustment, and LED fixture dimming within a 100-foot range.

PART 3 EXECUTION

3.1 INSTALLATION OF RADIANT HEATERS

- A. Supply electric radiant heaters where shown. Supply wireless controllers where indicated. Hand the components to the electrical trade at the locations where they are to be installed for installation as part of the electrical work. Confirm exact locations prior to installation.
- B. Ensure that installation personnel have copies of the heater manufacturer's published installation instructions, including required clearances.
- C. Adjust heater angles to the Owner's requirements. Ensure that all heaters are protected from the elements.
- D. Test and confirm proper operation of all control components.

3.2 START-UP

- A. After heater and control installation is complete, start each heater and test and confirm proper operation of all phases of heater operation.

3.3 COMMISSIONING

- A. Commission the heaters in accordance with specified commissioning requirements.

3.4 DEMONSTRATION AND TRAINING

- A. Include training for 2 hours of on-site operation and maintenance demonstration and training for 2 groups of 4 people.

END OF SECTION