



## Radiant Heat Panels Product Specifications

**Product Operation:** Low-profile, Non-light emitting, Infra-red heat panels have one non-porous radiating surface and they are designed to be mounted to the underside of the cage roof or behind a perch or shelf and there are provisions for hanging the panel also. These high grade panels provide a uniform heat over a larger area without a focused hot spot as with heat lamps or ceramic emitters. Helix Panels are suitable for indoor as well as outdoor use.

Infrared heaters tend to heat objects with mass more than air temperature, however the radiant surface's temperature will heat the air in enclosed environments. The panel surface at an approximate distance 15" to 22" allows reptile basking conditions 85-95F in an enclosed cage with 72 degree F. ambient temperature. Helix Panels are designed to out-perform and out-last all other heat sources by many times and with the panel mounted inside the enclosure, 100% of the heat produced is kept inside the environment.

**Note:** Helix Panels are un-regulated heating devices, we recommend using a high quality thermostat, such as a Helix Proportional Thermostats to ensure the proper temperatures are always maintained, and to also prolong the life of any and all resistive heat sources.

**Panel description:** A white high-impact styrene shell and a non-porous high-temperature fiberglass radiant surface are bonded together, and sealed producing a water resistant product that can be bleached or even power washed. (Always unplug before cleaning). The UL listed heating element inside is a very reliable, and an extremely long lasting (40-50 yr) industrial product. The panel's surface temperature at full power is limited to approx. 190 -212 degrees F and will not burn you or your animal on short term contact. All panels have an UL approved, 16 gauge, two conductor power cord (no metal parts requiring a ground). The power cord can be passed through a small hole drilled into the cage's wall or ceiling. \*\*\*A separate High Quality, UL listed "Easy wire plug" is supplied along with mounting hardware and complete instructions.

(4) Size's are currently available:

Mini, 11" x 11" x 1.5", 38 watts, 121 sq in area.

Small, 11" x 16" x 1.5", 53 watts, 176 sq in area.

Medium, 11" x 30" x 1.5", 110 watts, 330 sq in area.

Large, 11" x 40" x 1.5", 160 watts, 440 sq in area.

\*\*Wattages are approx. within 2% or so.

**Note:** After weeks or months at 80-100% of full power, the panel's radiant surface can be expected to "golden-up" in color. This is normal and will not affect the performance, safety or integrity of the product. Adding supplemental heat under the tank or interior shelve so that the desired temperature is maintained with less power to the panel will help prevent discoloration. \*\* Each panel is 100% tested and run for a few hours at full power before shipment. Depending on the freshness of materials used, there may still be a "out-gassing of plastic fumes".

**Suggestion:** Run the panel at 100% power, with a fan blowing on it, to complete out-gassing prior to installation and / or adding animals.

\*Available with HD Cord and water-proof strain-relief and molded plug.

**Power requirements:** 110-125 Volt AC, 50-60 Hz. \*\*Special 220 Volt Euro-model's available for Europe only. 01-06