

AIRIUS[®]

THE THERMAL EQUALIZER



AIRIUS Thermal Equalizer in *high bay* application.

AIRIUS available in Models 10, 15, 25, 35, 45, 60

Also Available:

**PhotoHydrolonization “PHI” Kit for Air Purification
and Suspended Ceiling (SC) Mounting Kits**

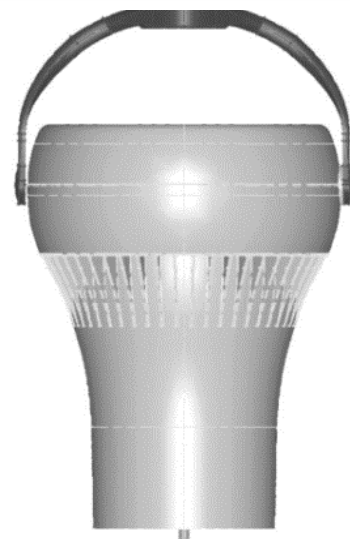
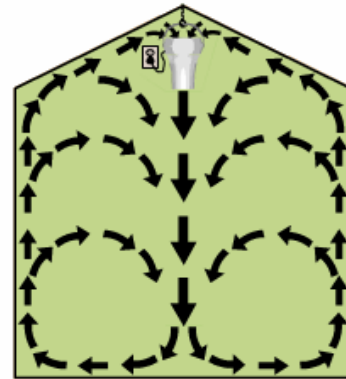
Benefits in High Bay Applications

- **Energy savings of 15% to over 50%**
- **Simple payback of 2 to 4 years**
- **Cost effective retrofit alternative**
- **Increased air circulation throughout facility**
- **Improved environment - eliminates hot and cold spots**
- **Reduced cycles increasing HVAC equipment life**
- **Reduced spoilage in temperature controlled facilities**
- **Reduced condensation in specialized applications**

The Science of the AIRIUS[®]

An energy-efficient motor drives a near-silent fan that aerodynamically and quietly forces a column of hotter air from the ceiling area to the cooler floor below. As this column of warm air nears the floor, it begins to flare out in a circular pattern and rise again creating a *torus*. While doing so, it warms the cooler air it mixes with near the floor increasing the temperature of the air and floor where people live and work.

Through a natural law of physics, this torus will continue to re-circulate air through the Airius System suspended near the ceiling and continue mixing warmer air from the ceiling with cooler air near the floor until the ceiling and air temperatures are nearly equal. As this happens, it will require less and less energy to comfortably heat the work area, allowing thermostats to be lowered and energy savings to be realized. Once started, the entire process of "thermal equalization" will take on average less than 24 hours.



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