



**Eco-\$mart, Inc.**

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## Induction Lighting Frequently Asked Questions

### **What is Induction Lighting?**

Induction lighting technology is a fluorescent lamp without electrodes. This is important, because electrodes are the components that burn out in a lamp and creating the necessity for frequent replacement. Instead of an electrode, induction lighting uses magnetic induction to ignite the phosphors inside a sealed lamp. With no components to burn out, induction lamps are rated at 100,000 hours. That is 100 incandescent bulbs, 5 HID lamps or 5 typical fluorescent lamps.



### **At what voltage do Induction Lighting fixtures operate?**

Induction Fixtures will operate on single phase, multi-voltage between 110v & 277v.

### **At what temperature can the fixtures operate?**

The majority of Induction Fixtures operate from -20°F to 122°F.  
Exterior fixtures operate from -40°F to 122°F.

### **Are the Induction fixtures energy efficient?**

Yes, the fixtures are equipped with electronic ballasts which operate at a high frequency rate. Light output from a 250 watt Induction lamp compares to the light output of a new 400 watt HID lamp. Yet the Induction lamp uses 265 watts while the HID lamp uses 454 watts. The Induction fixtures also operate at a lower temperature, a key energy saver in indoor applications.

### **What quality of light do the Induction Fixtures produce?**

Induction fixtures are equipped with fluorescent lamps running at 5000 Kelvin and 90 Color Rendering Index (CRI); additional Kelvin temperatures (4100 Kelvin to 6500 Kelvin) are available as a special order.

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Is your question about Induction Lighting still unanswered?

Contact Eco-\$mart for more information.

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