



Eco-\$mart, Inc.

(888)329-2705 info@eco-smart.com www.eco-smart.com

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 200 watt Induction lamp compares to the light output of a new 400 watt HID lamp. Yet the Induction lamp uses 210 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.

Is your question about Induction Lighting still unanswered?

Contact Eco-\$mart for more information.

(888)329-2705 info@eco-smart.com www.eco-smart.com



Eco-Smart, Inc.

(888)329-2705 info@eco-smart.com www.eco-smart.com

Induction Lighting vs HID Lighting

Induction Lighting produces better light at lower operating temperatures and lower cost with 5 times the rated lamp life.

	Induction Lighting	Metal Halide	High Pressure Sodium
Watts- Electrical Usage	200w	400w	400w
Kelvin Temp	5000k	3700k	2100k
CRI	90+	65	22
Rated Lamp Life	100,000 hours	20,000 hours	21,000 hours
Fixture S/P Factor	2.0	1.26	0.76
Fixture Lumens - Photopic	20,500	28,800	40,800
Visual Acuity Lumens	41,000	36,288	31,008
Visual Acuity Lumens Per Watt	191	79	67
Operating Temperature	200° F	900° F	900° F
Annual Operating Cost*	\$183.96	\$478.21	\$477.46

*for comparison only, costs will vary.

Contact Eco-Smart for more information.

(888)329-2705 info@eco-smart.com www.eco-smart.com