

# Foptos™ Induction Lighting

THE LOW-COST, HIGH-QUALITY ALTERNATIVE FOR C-STORE CANOPIES

## Foptos™ Induction Benefits

- 1 LOW COST** - Induction lamps offer the same energy and maintenance savings for a fraction of the cost of LED Fixtures. Foptos™ Induction retrofit lamps allow for re-use of existing HID fixtures. This product was designed to fit easily into existing 320w HID canopy fixtures. By replacing only the ballast, bulb and socket; costs for both material and labor is reduced.
- 2 ENERGY SAVINGS** - As good as LED's, considering voltage and lumen/watt output. Foptos™ Induction lamps vs. HID lamps results in energy savings alone of around 65% - 75%. Because there is no warm-up (re-strike) required, additional savings can be achieved by adding occupancy or motion sensors.
- 3 LONG LIFE / LESS MAINTENANCE** - Similar to LED's. Foptos™ Induction lamps have a service life up to 100,000 hours, compared to 20,000 for typical HID lamps. This means that if you use your fixtures 24/7 you can expect the product to last approximately 8-10 years. This results in dramatically reduced re-lamping and maintenance costs.
- 4 BRIGHTER LIGHT OUTPUT** - Induction lamps typically have more lumen output and higher foot candle levels on the ground, comparable to LED products. The result is a much clearer and brighter white light at much lower wattages than traditional HID lamps can provide.
- 5 5 YEAR WARRANTY** - Foptos™ Induction lamps are backed by a 100% parts replacement warranty on the entire system for 5 years.
- 6 ENVIRONMENTALLY FRIENDLY** - Foptos™ Induction lamps use approximately 30% of the amount of mercury found in HID lamps. The mercury is a solid amalgam which is easily recyclable.

## WHAT IS INDUCTION LIGHTING?



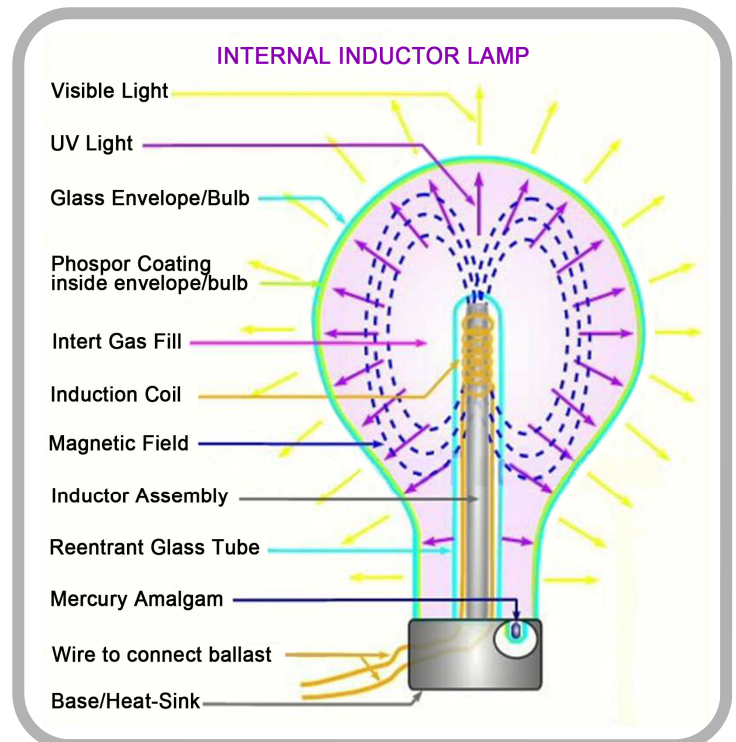
Induction lighting is a high output, energy efficient form of electrode-less fluorescent lighting. No moving parts.



Induction achieves higher wattages in a smaller envelope with 5-10 times longer life than traditional fluorescent lights.



Because of the smaller envelope and longer life, it makes Induction a perfect replacement for existing HID lighting.





# Petroleum Solutions

For Fuel Handling & Service Station Equipment



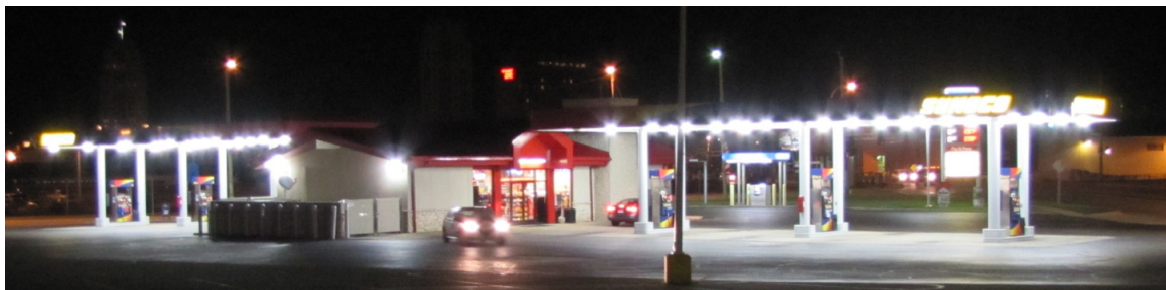
The 100w Foptos™ Induction Lamp was designed to EASILY fit into existing 320w HID canopy fixtures.

100W FOPTOS™ INDUCTION LAMPS VS 320W HID LAMPS			
FAQ's	100w Foptos™ Induction Lamp	320w HID Lamp	Differences
Life of Lamp	✓ Up to 100,000 hours	20,000 hours	80,000 hours
Warranty	✓ 5 Year—100% Parts	?	5 Year 100% FREE Parts Replacement
Lumen Depreciation	✓ Max 30% at 60,000 hrs	Min 40% at 8,000 hrs	Max 30% at 60,000 - 100,000 hours
Instant On	✓ YES	NO	Allows for motion sensors
Max Bulb Temp	✓ 202 F°	478/318 F°	Up to 275 F° cooler

TOTAL ENERGY SAVINGS WHEN USING 100W FOPTOS™ INDUCTION LAMPS				
	100w Foptos™ Induction Lamp		320w HID Lamp	
System Watts	100 watts		368 watts	
Operating Cost/Yrs	\$47.30 / 1 yr	\$236.50 / 5 yrs	\$145.07 / 1 yr	\$725.35 / 5 yrs
Re-lamping Cycle	0	0	0	1.1
Re-lamping Cost	\$0	\$0	\$0	*\$55.00
Total Cost	\$47.30 / 1 yr	\$236.50 / 5 yrs	\$145.07 / 1 yr	\$780.35 / 5 yrs
<b>TOTAL SAVINGS WITH ONE FOPTOS™ LAMP</b>			<b>\$97.77 / 1 yr</b>	<b>\$543.85 / 5 yrs</b>
<b>TOTAL SAVINGS FOR A 15 FIXTURE CANOPY</b>			<b>\$1466.55 / 1 yr</b>	<b>\$8157.75 / 5 yrs</b>

Operating Cost 4380 hours yearly and .09 cents per kwh; HID comparison based on GE-MVR320/VBU/HO/PA Lamp; \*Re-Lamping Cost: HID: \$15/lamp + \$35 labor

Picture of C-Store with 100W Foptos™ Retrofits



For more information on products or services in your area, call one of our 10 PSI locations or visit us online at [www.petroleumsolutionsinc.com](http://www.petroleumsolutionsinc.com).

Contact Your Local PSI Sales Representative for a Product Demo!

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