



Neptun - 19000-AL Series

Case Study: Reducing Energy & Maintenance Costs

With the high maintenance costs, very short life, and low lighting levels of their High Pressure Sodium lighting, Epic Metals Corporation looked for an alternative lighting solution in their warehouse and manufacturing facility. By retrofitting over to Neptun Induction lighting, Epic Metals was able to save over \$14,000 per year in energy alone. Neptun's Induction lighting system reduced energy consumption by over 50% and increased overall lighting levels. Over the 20 year life of the Induction system, Epic Metals will save an estimated \$289,000 in energy savings, and another \$41,000 in labor and material costs.

	HPS	Metal Halide	INDUCTION
Average Life / Hours	16,000 - 20,000 Hrs.	12,000 - 16,000 Hrs.	100,000 Hrs.
Color Rendering Index	21	62	83
Restrike	10 - 15 minute warmup	10 - 15 minute warmup	Instant / Flicker Free
Lumen Depreciation	30% @ 2,000 Hrs.	40% @ 2,000 Hrs.	5% @ 2,000 Hrs.
Warranty	None	None	10 Year

Fixture Type	Wattage	Actual Wattage	Qty.	Annual kWh	Annual Energy Costs
HPS - High Bay	400	460	147	269,176	\$26,656
Induction - High Bay	200	210	147	132,211	\$12,169
Kilowatt Rate = \$ 0.09				Annual Energy Savings = \$14,487	
Fixtures Running = 4,380 hrs. per year					



BEFORE: 400W HPS



AFTER: 200W Induction