



# Induction Light Replacement

## ADG Eco's Solution Manufacturing

### 450w MH changed to 150w Induction

ADG Eco electrode-less induction lighting leverages new technology developments to provide a high-efficiency, low-maintenance, long-term lighting solution. With a 100,000-hour rated life, Gym above is +\$200 per month in the black year one with off-set maintenance for 20 years. SoCal Power Company rebates included,

ADG Eco induction lamps are ideal for outdoor applications where re-lamping is expensive or cumbersome, as in parking lots, street lighting, tunnels, or indoors for high bay fixtures.

#### Induction Lighting: An Old Lighting Technology Made New Again

(Excerpt from Blog /US Department of Energy)

**Induction lighting** is one of the best kept secrets in energy-efficient lighting (where)... units have an extremely long life of up to 100,000 hours. To put this in perspective, an induction lighting system lasting 100,000 hours will last more than 11 years in continuous 24/7 operation, and 25 years if operated 10 hours a day.

#### Applications with High Potential for Induction Lighting

- In hard-to-reach locations that make maintenance costs high, such as street lighting and tunnels, or high ceilings where there is continuous operation, such as hotel rotundas
- Where high-quality lighting is required or highly desirable
- Where reliability is highly valued
- Where high lumen output is required
- In areas that require lamps to reach full illumination immediately.

**Utility Involvement in Induction Lighting** Utilities throughout the country are installing and/or promoting induction lighting. For example, many ... are offering incentives. One utility... has a program offering municipal customers the opportunity to replace older mercury vapor street lighting fixtures with



Characteristics,



Virtually maintenance-free operation

- High efficacy—in many cases, 60+ or 70+ lumens per watt
- Long life
- Excellent [color rendering index](#) (CRI)—80+ and in some cases 90+
- Choice of warm white to cool white (2,700–6,500 K) [color temperature](#)
- Instant start and re-strike operation
- No flickering, strobing, or noise
- Low-temperature operation
- Dimmable capability with some units
- High power factor: .90+



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