



**SAVWATT™**  
A B r i g h t e r W a y

**ēcopole™**

THE FUTURE OF OUTDOOR LIGHTING

*Save Energy  
Save Money  
Save The Environment*



## Think Green

The SavWatt™ Ecopole™ is a self-contained, eco-friendly, 100% green, outdoor LED lighting solution that requires no outside power source. Using only our natural resources, wind and sun, the LED light is self-powered by our proprietary, patent-pending dual technology controller that stores and manages energy. Energy is generated by a Savonius wind turbine and solar panels to deliver a long-lasting, maintenance free, powerful alternative light source that eliminates energy costs associated with outdoor lighting. Durable, reliable and versatile, Ecopole can be installed just about anywhere outdoor lighting is essential.

### Dual Technology Smart Eco-Watt™ Controller

- Controls on/off dimming
- Protects battery
- Protects against wind in excess of 80mph
- Smart power distribution
- Zigbee wireless GPS generated diagnostic reports
- 24/7 Central station monitoring



### Controller & Battery Box Enclosure

Contains two, 12V self-cleaning, lead acid/gel batteries  
Ground Secured (Shown) 12" x 20" x 48"  
Pole Mounted NEMA3R certified 18" x 18" x 18"



### Applications

- Parking Lots
- Street Lighting
- Auto Dealerships
- Marinas
- Court Yards
- Walkways
- School Yards
- Rest Stops
- Ski Resorts
- Parks
- Pools



## ***Innovative, energy efficient, cost effective, LED lighting solutions for a cleaner, brighter tomorrow***

### **Savonius Wind Turbine**

- Easy to install
- High-energy conversion rate
- Produces no pollution
- Low noise
- Soft lightweight, hydro carbon polymer blade
- Will not harm birds
- Waterproof
- Durable, maintenance-free, rust-proof construction
- Low start-up wind speed from any direction



Aridion™ technology by P2i, is a revolutionary liquid repellant nano-coating that is physically bonded to any surface at a molecular level to prevent corrosion and malfunction, while maintaining the look, feel and functionality of the product. Aridion™ coats every aspect of the Eco-pole at a nanoscopic level to completely protect it from water, dirt and corrosive elements.



### **Solar Panel**

- 180W, 260W or 300W panel
- No need for trenching and electrical conduit
- High efficiency photo voltaic silicon solar cells
- 36 hour battery back-up energy storage system
- Optical and timer control functions work in combination with smart controller



### **LED Street Light**

- LED Luminous Efficacy >70 Lm/W
- Total Luminous Flux >5200Lm
- Cool White: 6500K or Warm White: 4000K
- 50,000 hours of maintenance free operation
- Treated with Aridion™ to protect electronic components from water, dirt, salt and all corrosive elements

EcoPole replaces traditional, inefficient Metal Halide outdoor lighting to totally eliminate energy costs and reduce our carbon footprint.

## **OPTIONS**

EcoPole™ offers many options from which to choose. Select the options that will best illuminate your desired outdoor location.

### **BASE**

- ☐ Poured Concrete Base
- ☐ Pre-Fab Formed Concrete Base
- ☐ 2' x 2' x 5' base for 20 foot EcoPole.
- ☐ 3' x 3' x 5' base for 30 foot EcoPole

### **POLE**

- ☐ 20' Tapered Aluminum Pole
- ☐ 25' Tapered Aluminum Pole

### **AVAILABLE POLE COLORS**

- ☐ Silver (standard)
- ☐ Bronze\*
- ☐ White\*
- ☐ Black\*      \* Surcharge applies

### **ARM**

- ☐ 2' LED Light Arm
- ☐ 4' LED Light Arm
- ☐ 8' LED Light Arm

### **LED LIGHT**

SavWatt™ LED Street Lights are ETL approved to UL standard. LM79 and LM80 reports are available on request.

- ☐ 36W Dimmable
- ☐ 90W Dimmable

### **SOLAR PANEL**

Each solar panel is a state of the art Monocrystalline Panel with a heavy duty frame attached into the pole. Two panels at 130W each generate a combined total of 260W of electricity.

- ☐ 180W Double Panel
- ☐ 260W Double Panel
- ☐ 300W Double Panel

### **TURBINE COLOR**

- ☐ White      ☐ Yellow
- ☐ Green      ☐ Black
- ☐ Pink      ☐ Blue





# ēcopole<sup>TM</sup>

## LED

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