

Duggal's LUMI•SOLAIR is an intelligently engineered hybrid light post featuring the latest in solar and wind power to power its state-of-the-art battery powered LED luminaire.

quality

Unique dual power design (solar & wind) allows the luminaire to stay ON for days and weeks during inclement weather

Optimized to perform at their best even with limited sunlight or wind

Patented design and technology providing the most effective light post available

Elegant yet sturdy design

Specialized hardware controls turbine movements to prevent the batteries from excessively charging

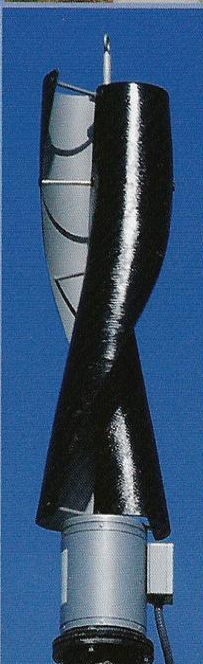


performance

Wind turbine will operate under light or heavy wind loads (2.5-161 mph)

Solar array can be adjusted to maximize solar energy collection year round

L.E.D. light fixture has a useful life of over 15 years at 4,700 lumens



"The Lumi•Solair not will only become an important element of our effort to make the Brooklyn Navy Yard the nation's greenest industrial park, but provides an immediate cost savings since pole to pole conduit and wiring is no longer required."

-Andrew Kimball

President of Brooklyn Navy Yard

sustainability

Self-sustaining power supply that cuts powerline installation cost, eliminates an electricity bill and saves the environment

Spun concrete pole is made from 100% post-industrial materials and is a low reflective material, reducing the heat island effect



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Q. What are Lumi•SolAir's savings?

A. Immediate

- The average non-renewable energy pole costs between 3- 5k
- The average cost of installing a on-the-grid infrastructure
 - Conduit & Wiring 15- 20k
- Over all Cost 18- 25k
- Result
 - Immediate break-even or savings

Q. How much maintenance is required?

A. Very Little

1. Batteries are solar type- No constant maintenance required
 - Need to be replaced approximately every 5 years
 - (cost approx \$200)
2. Extremely long lamp life (approximately 15 years)
3. Infrequent turbine maintenance (approximately 5 years)
4. Solar panels never need maintenance unless damaged by natural disaster conditions
 - Limited manufacturing warranty on normal wear and tear
5. No maintenance required for recycled natural composite material pole
6. Maintenance contract available

Q. Why should I buy Lumi•SolAir?

- #### A.
1. Our pole is designed with two things in mind
 - Stays lit exponentially longer than solar alone
 - Esthetically pleasing
 2. Our poles are made of the finest materials & workmanship
 3. Our poles are engineered site specific