



**Flight Light Inc.**  
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solarseries

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**Permanent  
LED  
Wind Cone**

### Permanent LED Wind Cone

With over 50 years experience in the design, manufacture and delivery of P. Wedge internally lighted wind cones, the Solar Series Permanent LED Wind Cone is the most proven and most installed off-grid solution on the market. Operating on all continents in the most demanding environments, the industry's toughest clients rely on the Solar Series LED Wind Cones for civil and defense operations. Backed by the best warranty in the industry, our wind cones provide both standard and custom designed solar LED wind cone solutions for airports, runways, and helipads. The Solar Series LED Wind Cone is available in various sizes, all of which include an intelligently engineered aluminum tilt-pole with a patented aluminum swivel system that is designed to facilitate easy installation and servicing by a single person with no electrical infrastructure requirements.

### Increase safety

Internally lighted windsocks are more visible for pilots than externally lighted. The Solar Series windsock is made with a durable but lightweight colorfast fabric.

### Reduce costs

Being 100% solar powered and self-contained, installation is dramatically less expensive compared to detached solar systems or conventional systems, thereby eliminating the need for trenching, cabling or electrical services. No power requirements means no reliance on grid or generator power.

### Reduce maintenance

Solar powered means no external power and zero energy costs. Internal LED lighting is up to 10 times more energy efficient than external incandescent windsock lighting.

### Featuring

- All aluminum construction with stainless steel hardware.
- Patented swivel complete with high quality bearings.
- Vivid internally lit fixture providing precisely directed illumination.
- Tilt mechanism for easy installation with one or two people.



**Visit our web site: [www.flightlight.com](http://www.flightlight.com)**



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**Specifications**

<b>Optical</b>	
Obstruction Light	Solar: dusk till dawn or radio control
Light Source	12W cool white LED floodlight
Output	580 lumens at source
Configuration	Internally lit, adjustable LED intensity
Operating Profile	Dusk to dawn
LED Life Expectancy	Up to 60,000 hours

<b>Mechanical</b>	
Configuration	Aluminum tilt pole
Overall Height	18'9" or custom size in 1' increments from 8'
Tilt Mechanism	Counterbalanced tilt at 4'6"
Swivel	Patented maintenance free sealed aluminum swivel
Mounting	Aluminum base plate with 4-bolt pattern for concrete mount - 3/4" hot dipped galvanized anchor bolts
Frangibility	Optional fused bolt mounting system
Obstruction Lighting	Optional mounting plate for AV70 Series solar LED obstruction light
Sock Dimensions	36" x 12'   24" x 8'   18" x 8'   custom (opening diameter x length)
Fabric	Polyethylene coated 4.5oz nylon: orange/white, orange or custom

<b>Electrical</b>	
Configuration	Integrated DC solar charging system
Solar Module	80 watt monocrystalline panel
Battery	100 Ahr AGM sealed battery approved for air transport
Charge Controller	Sealed precision microcontroller with push-to-test button
Autonomy	5 days or greater, depending on location
RF Controller	Optional 2.4 Ghz controller for on/off control



*100% solar powered, installation is dramatically less expensive.*



*Tilt mechanism for easy, safe servicing by one person.*



*Patented swivel complete with high quality bearings.*

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