

Solar LED Light Tower (Mobile)

***What a
Great Idea!***



Simple to Connect & Tow



The Solar Light Tower weighs ~2,100 lbs and can be easily towed anywhere to provide “light-on-demand”

To Connect

- a) Slip the trailer hitch over ball & lock it down
- b) Hook safety chains to truck & plug in lights

Simple To Transport

Trailer

- Tough commercial grade steel trailer
- Full size wheels for smooth and easy transport

Flood Lights

- LED Lights remain attached and do not require removal for routine transport



Time for a Road Trip



- Compact
- Portable
- Rugged
- Road Ready



Simple 1 Person Setup

Set outriggers to stabilize

Raise the light tower



Quick Deployment – Ready in Minutes



- a) Direct solar panels south in U.S.
- b) Tilt panels to area latitude (push button-automated actuators)

That's It

Simple Setup
Reliable Renewable Energy
Bright White Lighting
Free to Operate



That's It

- No Expensive Diesel Fuel
- No Time-Consuming Refueling or Maintenance
- No Noise
- No Fumes
- No Carbon Emissions
- No On-going Operating Costs



Light Tower

Lights can be adjusted from ~12 to 30 ft in height, can be tilted and rotated 360 degrees as needed



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Since the solar generator is totally quiet you can locate the system closer to the area you need to light



Tell Me More About The Lighting



- We use energy-efficient, high lumen output, long-life LED lights
- There are a variety of available light configurations
 - 2 or 4 flood lights
 - 2 street lights
 - Or a combination of 2 street lights & 2 flood lights

Fact

LED Solid-State Lighting is quickly replacing metal halide and high pressure sodium as the new standard for outdoor lighting.

It delivers brilliant white lighting and is significantly more energy efficient making it an ideal combination with Solar Renewable Energy

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Do LED lights put out enough light?

How big of an area can the light cover?

Before



With Solar Light Tower



IESNA Recommended Minimum Footcandle Readings for Outdoor Parking Areas



U.S. Department of Energy
Energy Efficiency and Renewable Energy
Bringing you a prosperous future where energy is clean, abundant, reliable, and affordable

**Design Criteria:
Illuminance**

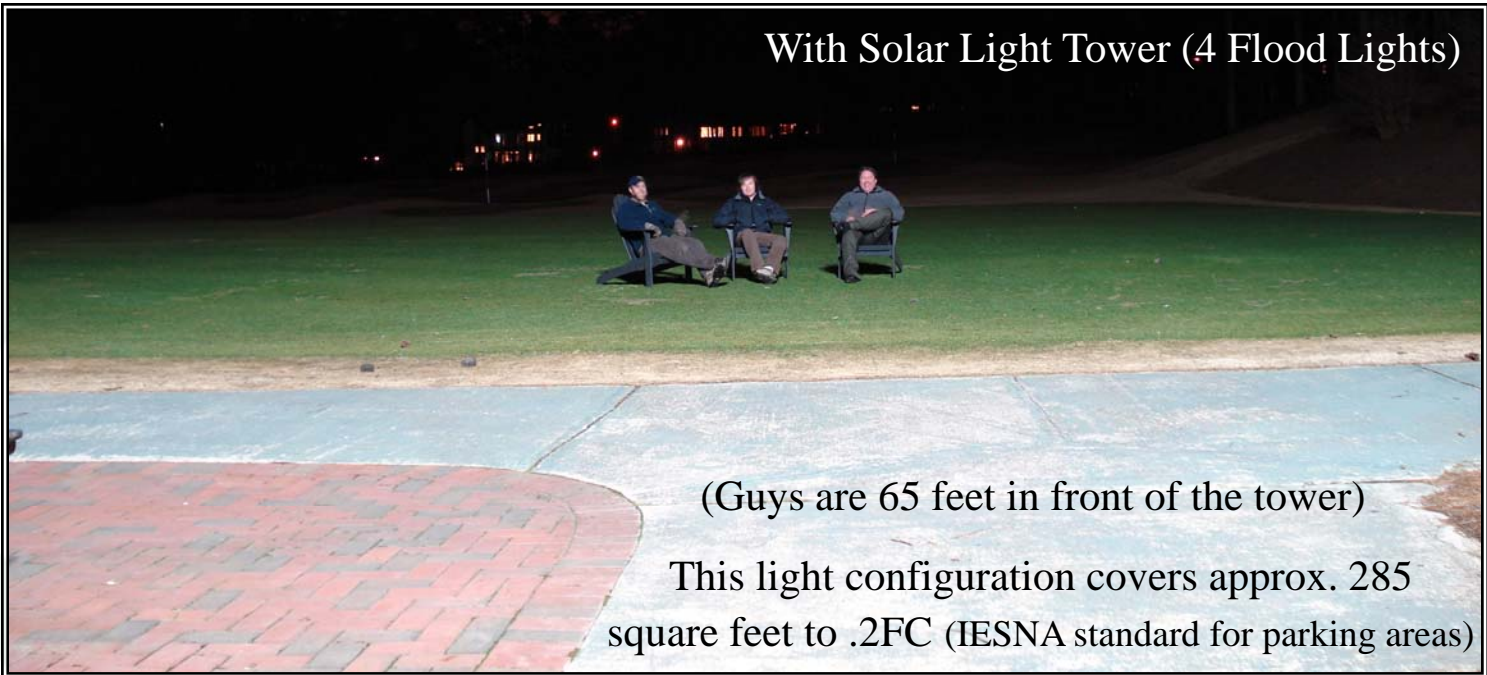
Recommended Maintained Illuminances for Parking Lots per IESNA RP-20-98

	Basic	Enhanced Security
Minimum Horizontal Illuminance (amount of light falling on pavement)	0.2 Foot candles (FC)	0.5
Uniformity Ratio - Maximum to Minimum	20:1	15:1
Minimum Vertical Illuminance (measured 5.0' above parking surface)	0.1	0.25

Before – Can You Find The 3 Guys?



With Solar Light Tower (4 Flood Lights)



(Guys are 65 feet in front of the tower)

This light configuration covers approx. 285 square feet to .2FC (IESNA standard for parking areas)

Durability & Warranty

Solar Light Tower Warranty (2 years on entire system)

- Solar Panels have a 25 year warranty
- LED lights last ~50,000 hours (that translates to about 12.5 years if you run it every night, all night). Compare that to metal halide at 10,000-15,000 hrs
- Batteries are sealed, no maintenance, deep-cycle AGM batteries and typically last 4-6 years

Portable Solar LED Light Tower – Great Idea! “I have to get me some, tell me how”



High Return-On-Investment

Initial purchase price is higher but solar incentives apply

- **30% federal tax credit**
 - **5yr accelerated depreciation**
 - **State tax credits, sales & property tax exemptions (varies)**
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It quickly pays for itself by eliminating operating costs

(expected savings of ~\$4,900/yr based on just 36hrs of use a week)

- **No expensive diesel fuel** to buy (savings \$2.33/hr used)
 - **No costly engine maintenance** or light bulb / ballast changes
 - **No associated labor** for fuel runs, refueling units or maintenance
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Expect higher utilization due to its unique benefits

- No noise, no carbon emissions, just free renewable energy from the sun, brilliant white lighting, quick setup & simple to operate



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