

SW Energy



# SOLAR LIGHTING FOR TRAIL ASSOCIATIONS - HIKE NOVA SCOTIA

LIGHT THE PATH WITHOUT THE GRID



Presented By:

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# WHY LIGHTING?

Lighting transforms a trail from:

A daylight only asset



A safe, extended-use community infrastructure system



## Lighting Increases

- ✓ Public safety
- ✓ Accessibility
- ✓ Community confidence
- ✓ Liability protection
- ✓ Grant competitiveness

# SOLAR HELION LIGHT

## Best For:

- ✓ Trail Intersections
- ✓ High Traffic Intersections
- ✓ Parking Lot Edges
- ✓ Trailheads
- ✓ Bridges
- ✓ Gazebos
- ✓ Outhouses

## Key Features:

- ✓ High Lumen Broadcast
- ✓ Wide Beam Spread
- ✓ Designed For Outdoor Winter Conditions
- ✓ Strong Winter Battery Autonomy
- ✓ Reliable Dusk-To-Dawn Operation

## Use Cases

- ✓ Lighting hazard zones
- ✓ Reducing shadow pockets
- ✓ Improving sight lines





**Gazebos**



**Outdoor Sports Areas**



**Rural Barn**

# SOLAR MOON LIGHT

## Best For:

- ✓ Continuous Pathway Lighting
- ✓ Rural Trail Stretches
- ✓ Boardwalks
- ✓ Secondary Sections

## Key Features:

- ✓ Soft Distributed Beam
- ✓ Controlled Downward Optics
- ✓ Dark Sky Friendly
- ✓ Minimal Glare
- ✓ Excellent Spacing Efficiency



# SOLAR SAILING LIGHT

## Used For:

- ✓ Trailhead parking lots
- ✓ Event staging areas
- ✓ Larger open zones





**Pathways**

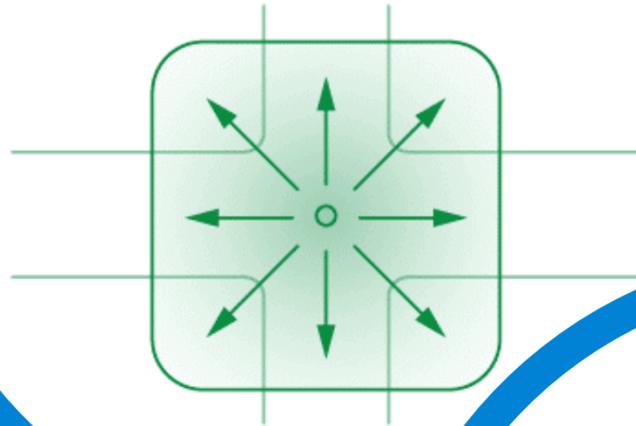


**Trails**

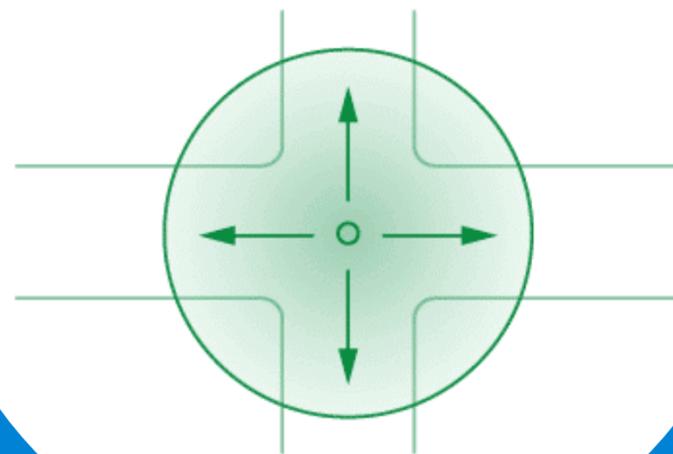


**Parking Lots**

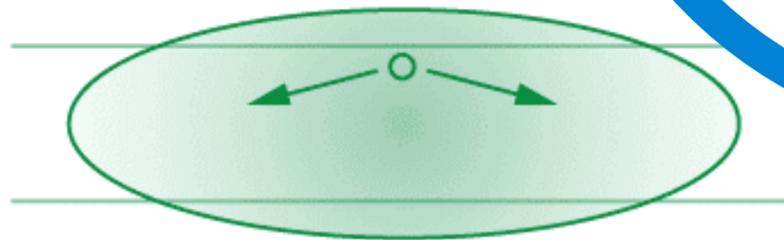
Type V  
Square



Type V  
Circular



Type II



# LIGHT BROADCAST

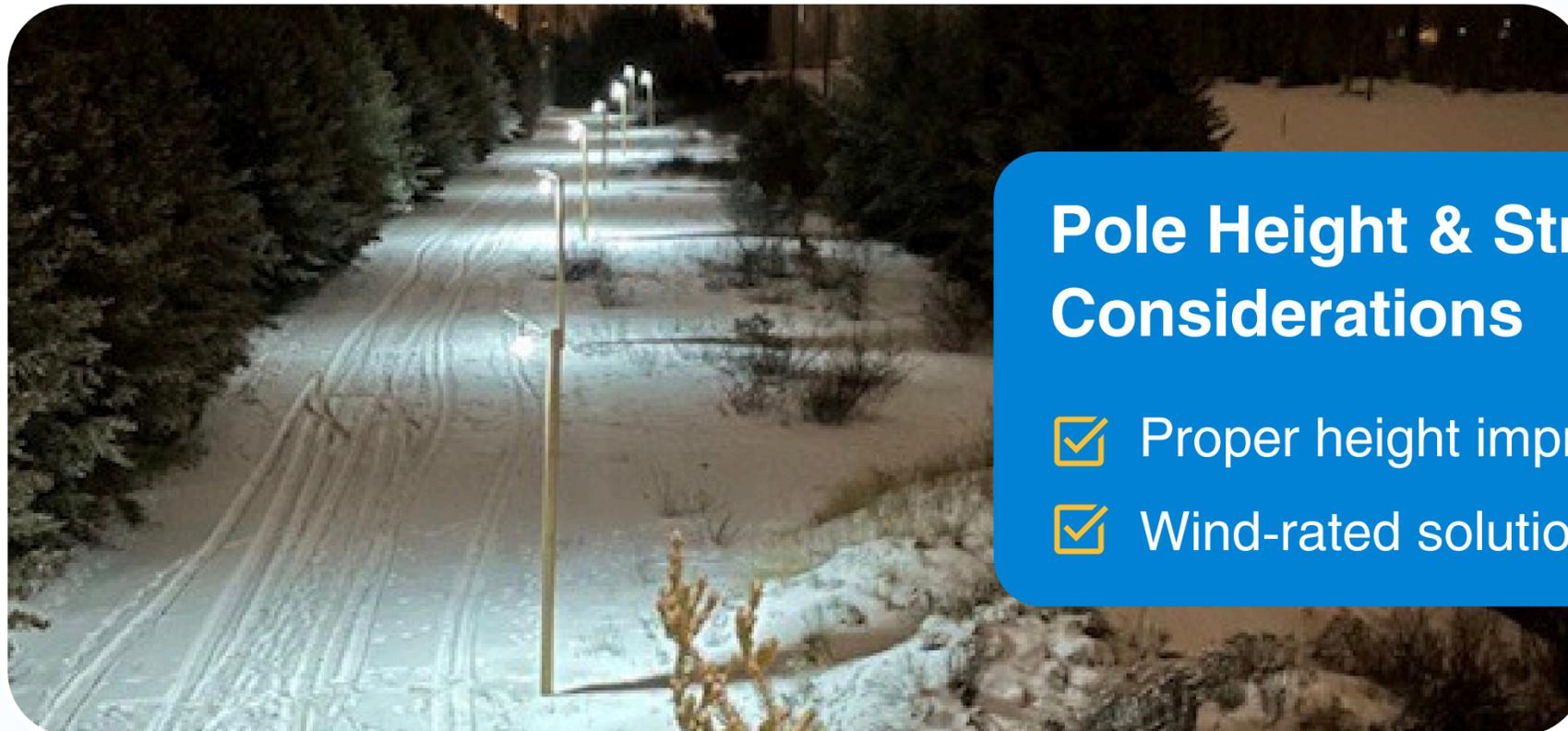
- ✓ Beam pattern shape
- ✓ Lux levels at ground plane
- ✓ Reduction of hard shadows
- ✓ Controlled spill
- ✓ No upward waste

Proper spacing eliminates dark gaps.  
We design for uniformity, not just brightness.  
Cheaper lights sit lower to look brighter; ours  
sit higher to cover more area.

# MOUNTING & POLE OPTIONS

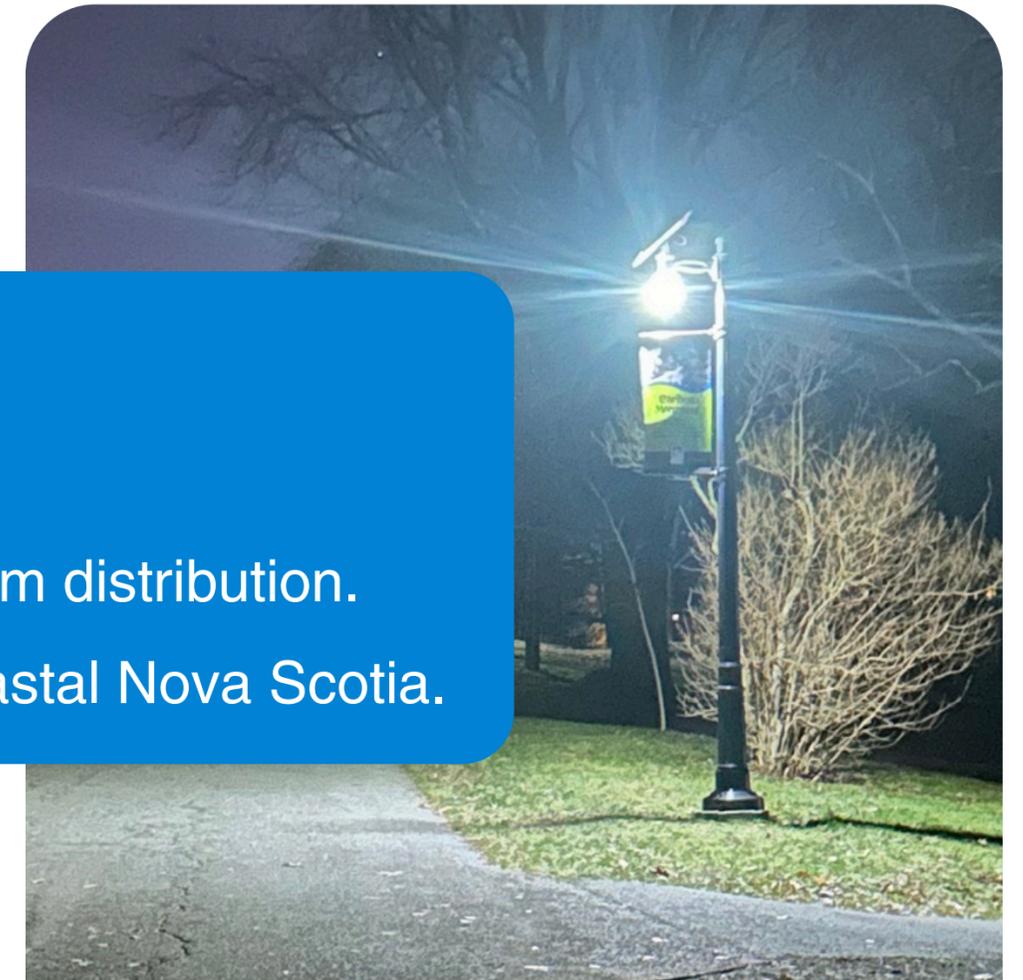
Options:

- ☑ Aluminum
- ☑ Steel
- ☑ Different heights
- ☑ Breakaway options if needed



## Pole Height & Structural Considerations

- ☑ Proper height improves beam distribution.
- ☑ Wind-rated solutions for coastal Nova Scotia.



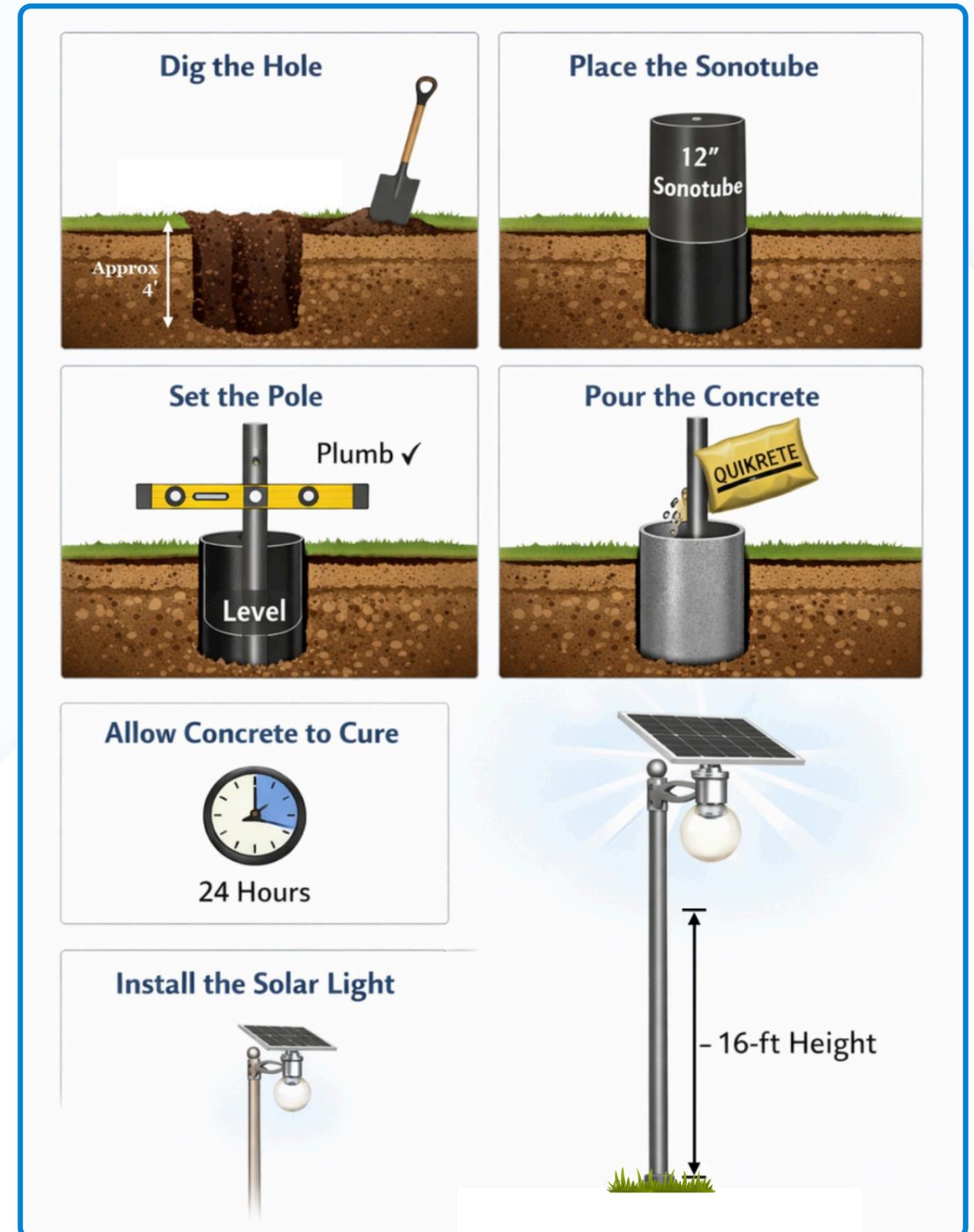
# INSTALLATION

## Ease of Install

- ✓ No trenching
- ✓ No grid tie
- ✓ No electrician required
- ✓ No skilled labour required
- ✓ Minimal site disruption

## Poured Base Option

- ✓ 12-inch Sono tube
- ✓ 5 bags Quickrete
- ✓ Simple anchor set
- ✓ Clean finish



# LIGHTING AS A RISK MITIGATION STRATEGY



“ For organizations requiring insurance on their trails, lighting lowers claim risk and liability exposure. It also strengthens insurance positioning. Insurance companies love documented safety improvements. ”

## LIGHTING REDUCES:

- ✓ Trip hazards
- ✓ Collision risk
- ✓ Vandalism
- ✓ Assault probability
- ✓ Emergency response delays



## LIGHTING IMPROVES:

- ✓ Sightlines
- ✓ Surveillance
- ✓ User confidence
- ✓ Visibility for first responders



# NS TRAILS INSURANCE & LIABILITY PROGRAM

## Connected groups include:

- **ATVANS – ATV Trail System**
- **Snowmobile Association of Nova Scotia**
- **Bicycle Nova Scotia**
- **Nova Scotia Off Road Riders**
- **Canoe Kayak Nova Scotia**



## Lighting supports:

- **Demonstrated due diligence**
- **Risk reduction documentation**
- **Public safety improvements**
- **Potential positive positioning with insurers**

Many local trail groups operate under:

- ☑ **NS Trails liability umbrella**
- ☑ **Volunteer coverage**
- ☑ **General Liability insurance**

Examples of recognized trail systems:

- ☑ **Louisbourg Lighthouse Trail (Coastal Connections Trail Association)**
- ☑ **BLT Trail (Beechville Lakeside Timberlea)**
- ☑ **St. Mary's Trans Canada Trail**

# WEATHER HARDINESS

- ✓ **Designed for Atlantic climate**
- ✓ **Built for wind exposure**
- ✓ **Salt air resistance**
- ✓ **Snow load resilience**
- ✓ **Battery performance in cold temperatures**



We are a Canadian-oriented company. Our lights are assembled in Newfoundland. Quality control is extremely high, and they are configured for our environment.

# Additional Value Add – EV Charger

**Free EV Charger option for parking lots  
(Subject to meeting criteria)**

## **Benefits:**

- Increases trailhead utility**
- Attracts tourism**
- Supports green initiatives**
- Strengthens grant applications**





# THANK YOU



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