

**Hybrilux<sup>®</sup>**

Solar Lighting Systems

The future  
of lighting,  
today.

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Remote Monitoring  
& Control for  
Reliable Solar Lighting

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**Hybrilux<sup>®</sup>**

The most reliable solar lighting  
for cost-effective outdoor illumination.



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SOLAR LIGHTING  
PRODUCT CATALOGUE

## Who we are

Hybrilux is a solar lighting company that delivers complete outdoor lighting solutions, including lighting design, fixtures, poles, and intelligent controls. With our pure solar and hybrid fixtures, we are transforming how businesses, municipalities, and communities illuminate outdoor spaces.

Our industry-leading solar light fixtures provide reliable, predictable performance—even in low-sunlight conditions—for street, pathway, security, parking lot, and community lighting applications. Designed for maximum reliability and long-term cost savings, Hybrilux solutions reduce infrastructure requirements while delivering high-quality illumination where it is needed most.

Integrated IoT technology enables every fixture to be remotely commissioned, monitored, diagnosed, and optimized in real time. This proactive approach reduces maintenance costs, minimizes downtime, and delivers a smarter, more resilient lighting network backed by a 99%+ uptime guarantee.

## What we offer

### Solar Lighting System Design Services

Our expert team performs a comprehensive site analysis to design a solar lighting system that considers local solar irradiation, lighting requirements and needs, pole height/spacing, battery storage, aesthetics, and durability. We deliver the most reliable lighting solutions for cost-effective outdoor illumination.

### Lighting System Packages

We offer plug-and-play lighting solutions with high-efficiency solar LED fixtures, smart battery storage, motion sensors and adaptive controls.

## Hybrilux® How does it all work?

### Lets talk about your lighting needs

Whether you're looking for a 100% off-grid or hybrid solar lighting system, we deliver energy-efficient solutions built for long-term savings, reliability, and sustainability.

### Leverage our System Design Services

Our lighting design specialists analyze every detail, from layout and fixture spacing to light level and aesthetics. We make sure that your site-specific illumination is fully optimized.

## Tailored Solar Lighting Solutions for Every Application

### Master-Planned Community Lighting

Enhance the aesthetics, safety, and sustainability of master-planned communities with solar and hybrid street, pathway, and recreational lighting that integrates seamlessly into the layout.

### Apartment Complex & Multifamily Community Lighting

Enhance security, efficiency, and energy savings with solar and hybrid lighting for pathways, parking lots, and shared spaces in apartment communities.

### Solar & Hybrid Street & Roadway Lighting

Improve safety and visibility with energy-efficient hybrid solar streetlights, perfect for cities, municipalities, and private roads.

### Parking Lot & Security Lighting

Boost security with motion-activated, dusk-to-dawn solar lighting for commercial properties, apartment complexes, master-planned communities, and industrial sites.

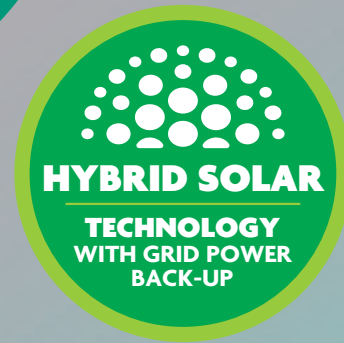
### Pathway & Park Lighting

Illuminate trails, parks, and pedestrian areas with sleek, off-grid solar solutions that boost safety while preserving aesthetics.

### Commercial & Industrial Solar Lighting

Our solar lighting solutions offer reliable, cost-free illumination for everything from warehouses to remote job sites, with hybrid systems ensuring uninterrupted lighting in any condition.





## Solar Fin

A game-changer in Solar lighting.

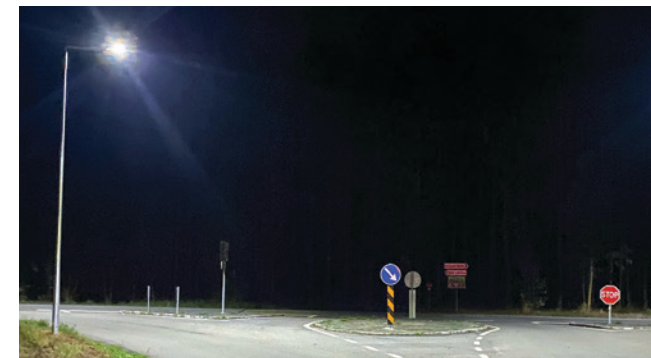
The all-in-one design with integrated solar panel, battery, smart controller, and motion sensor makes this system easy to install and exceptionally reliable. Get 3+ days of lighting from just an 8-hour solar charge.

### Perfect for Retrofit Projects

Our innovative hybrid solar technology delivers the best of both worlds: primarily solar-powered lighting with grid backup for guaranteed performance. It's the first of its kind in the U.S. solar lighting industry — peace of mind without compromising sustainability..

### Ideal for New Installations

Looking for a 100% off-grid lighting solution? The Solar Fin offers a cost-effective, efficient way to illuminate areas without access to the electrical grid — no trenching, no permits, no electricity bills.



### Product Features:

- Super high efficient system up to 200lm/W.
- Power: 10W, 20W, 30W, 40W, 50W, & 60W (up to 12,000 lm).
- IP65 certified: Can withstand extreme weather conditions.
- LiFePO4 battery: Longer lifetime and can continuously work for 3 days on a 8-hour charge.
- Higher conversion mono-crystalline silicon panel higher than most traditional solar panels.
- Integrated Motion Detection: Allows for unique possibilities to set lighting schedules based on your specific preferences at different times during the night.
- Multiple Mounting Options: Post top, side-entry, and clamp bracket mount.

Hybrilux SKU	Power (Watt)	Efficacy (Ra70)	Lumens	Net Wt. (lbs.)	Size (LxWxH (inch))
SL05-10	10W	200 lm/W	2,000 lm	11.0	31.8 x 11.6 x 5.8
SL05-20	20W	200 lm/W	4,000 lm	12.6	31.8 x 11.6 x 5.8
SL05-30	30W	200 lm/W	6,000 lm	30.6	31.8 x 11.6 x 5.8
SL10-40	40W	200 lm/W	8,000 lm	13.9	38 x 16.9 x 7.4
SL10-50	50W	200 lm/W	10,000 lm	31.7	38 x 16.9 x 7.4
SL10-60	60W	200 lm/W	12,000 lm	33.1	38 x 16.9 x 7.4

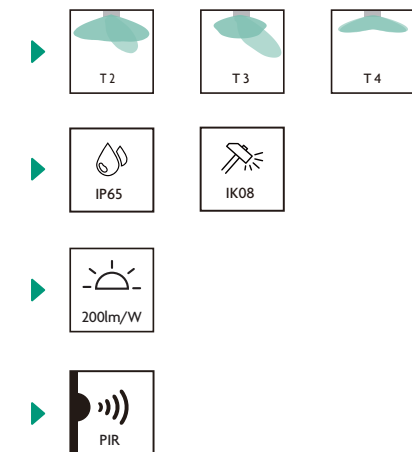
Disclaimer: Technical data is subject to change without prior notice.

### Solar Fin Package Includes:

Every Hybrilux Package Includes:

- Custom system design based on a detailed site analysis
- High-efficiency solar LED fixtures with advanced optics
- Poles, bases, brackets, and mounting hardware

Call (832) 553-3649 or visit [www.hybrilux.com](http://www.hybrilux.com) to get a quote today!





## Max Solar Fin

A high-performance, all-in-one fixture that integrates a powerful solar panel, long-life battery, intelligent controller, and motion sensor to deliver unmatched reliability and effortless installation. Get 3+ days of lighting from just an 8-hour solar charge.

### For Retrofit Projects

Our hybrid solar technology combines the benefits of solar with the reliability of grid backup, ensuring uninterrupted operation even in low-sunlight conditions. It's the first certified solution of its kind in the U.S., providing complete peace of mind.

### For New Installations

Need a 100% off-grid lighting solution? The Solar Fin offers a cost-effective, efficient way to illuminate areas without access to the electrical grid — no trenching, no permits, no electricity bills.



### Product Features:

- Super high system efficiency up to 200lm/W.
- Power: 30W, 40W, 50W, 60W, 80W, & 100W (up to 20,000 lm).
- IP65 and IK08 double protection.
- LiFePO4 battery: Longer lifetime and can continuously work for 3 days on a 8-hour charge.
- Higher conversion mono-crystalline silicon panel - higher than most traditional solar panels.
- Intelligent Control System: Allows for unique possibilities to set lighting schedules based on your specific preferences at different times during the night.
- Multiple Mounting Options: Post top, side-entry, and clamp bracket mount.
- Integral PIR motion detector brings light levels to maximum when detecting people or vehicles, giving a sense of safety and security and maximizing energy usage.

Hybrilux SKU	Power (Watt)	Efficacy (Ra70)	Lumens	Net Wt. (lbs.)	Size (LxWxH (inch))
SL15-30	30W	200 lm/W	6,000 lm	29.8	30.3 x 16.6 x 13.4
SL15-40	40W	200 lm/W	8,000 lm	36.4	43.3 x 16.6 x 13.4
SL15-50	50W	200 lm/W	10,000 lm	37.5	43.3 x 16.6 x 13.4
SL15-60	60W	200 lm/W	12,000 lm	44.1	50.5 x 16.6 x 13.4
SL15-80	80W	200 lm/W	16,000 lm	47.4	50.5 x 16.6 x 13.4
SL15-100	100W	200 lm/W	20,000 lm	53	60.3 x 16.6 x 13.4

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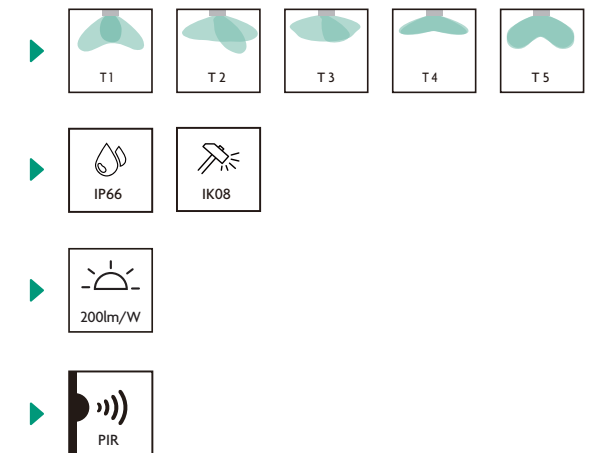
## Hybrid Solar Technology

### Max Solar Fin Package Includes:

Every Hybrilux Package Includes:

- Custom system design based on a detailed site analysis
- High-efficiency solar LED fixtures with advanced optics
- Poles, bases, brackets, and mounting hardware

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## Smart Solar Sail

IoT Connectivity for Enhanced Reliability

Built-in IoT connectivity lets you monitor and manage every fixture remotely — track battery health, charge status, and performance in real time, receive automatic fault alerts, and fine-tune settings without a site visit. The result is maximized uptime, faster issue resolution, and fewer truck rolls to remote locations.

Available in seven sizes, the Smart Solar Sail fixture is ideal for a wide range of applications, from pathways to public spaces.

**Each unit features:**

- Remote monitoring and control via IoT connectivity for real-time status, performance data, and automatic fault alerts
- Smart controls with built-in microwave motion sensing
- Timer-based dimming for energy efficiency
- An adjustable mounting angle, modular LED design, and removable battery for streamlined installation and simplified maintenance

A reliable, adaptable solar lighting solution designed for long-term performance.



**Product Features:**

- Remote monitoring and troubleshooting
- Lifetime battery warranty (conditions apply)
- Proactive maintenance alerts
- CCT: Standard 4000K, Optional 2500 - 6500K
- Easy maintenance with removable battery
- Adjustable LED module

Hybrilux SKU	Power (Watt)	Efficacy (Ra70)	Lumens	Net Wt. (lbs.)	Size (LxWxH (inch))
SL35-20	20W	210 lm/W	4,200 lm	31.5	37.7 x 14.6 x 11.2
SL35-30	30W	205 lm/W	6,100 lm	32.6	37.7 x 14.6 x 11.2
SL35-40	40W	200 lm/W	8,000 lm	32.6	37.7 x 14.6 x 11.2
SL35-50	50W	200 lm/W	10,000 lm	36.7	50 x 14.6 x 11.2
SL35-60	60W	205 lm/W	12,300 lm	38.9	50 x 14.6 x 11.2
SL35-85	85W	200 lm/W	16,000 lm	53.9	46 x 21.6 x 11.2
SL35-90	90W	200 lm/W	18,000 lm	53.9	46 x 21.6 x 11.2

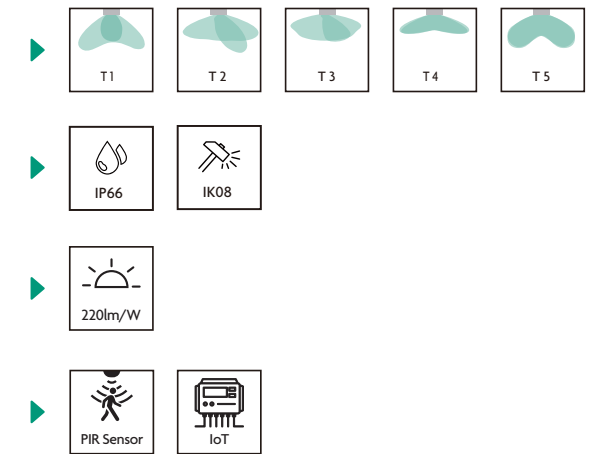
Disclaimer: Technical data is subject to change without prior notice.

### Smart Solar Sail Package Includes:

Every Hybrilux Package Includes:

- Custom system design based on a detailed site analysis
- High-efficiency solar LED fixtures with advanced optics
- Poles, bases, brackets, and mounting hardware

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## Smart Solar Sail Plus

IoT Connectivity for Enhanced Reliability

The Smart Solar Sail plus fixture is available in five sizes, making it ideal for a wide range of applications, from pathways to public spaces.

Each unit features:

- Smart controls with built-in microwave motion sensing
- Timer-based dimming for energy efficiency
- An adjustable mounting angle, modular LED design, and removable battery, all for streamlined installation and simplified maintenance

A reliable and adaptable solar lighting solution designed for long-term performance.



### Product Features:

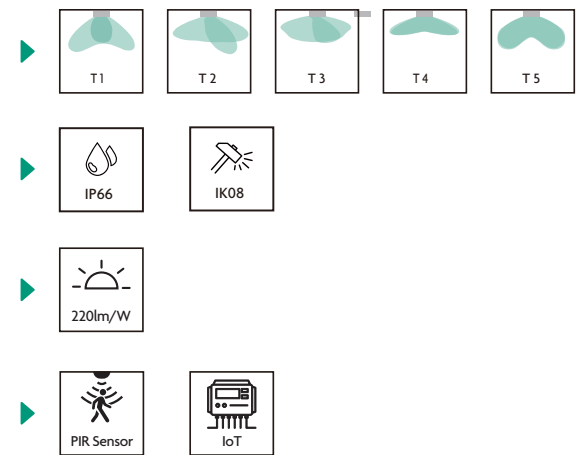
- Remote monitoring and troubleshooting
- Lifetime battery warranty (conditions apply)
- Proactive maintenance alerts
- CCT: Standard 4000K, Optional 2500 - 6500K
- Easy maintenance with removable battery
- Adjustable LED module

### Smart Solar Sail Plus Package Includes:

Every Hybrilux Package Includes:

- Custom system design based on a detailed site analysis
- High-efficiency solar LED fixtures with advanced optics
- Poles, bases, brackets, and mounting hardware

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Hybrilux SKU	Power (Watt)	Efficacy (Ra70)	Lumens	Net Wt. (lbs.)	Size (LxWxH (inch))
SL40-100	100W	200 lm/W	20,000 lm	73	45.3 x 33.5 x 8.6
SL40-120	120W	200 lm/W	24,000 lm	75.2	45.3 x 33.5 x 8.6
SL40-150	150W	200 lm/W	30,000 lm	89.1	47.6 x 45.3 x 8.6
SL40-180	180W	200 lm/W	36,000 lm	91.3	47.6 x 45.3 x 8.6
SL40-200	200W	200 lm/W	40,000 lm	94.2	47.6 x 45.3 x 8.6



## Solar TopStar

Elegant, Efficient, and Cost-Effective

The Solar TopStar is the ideal choice for outdoor lighting, combining sophisticated design with high performance. Perfect for streetscapes, pathways, and landscaped areas, it enhances any environment with style and function.

With no need for electrical infrastructure, the Solar TopStar is not only easy to install but also highly cost-effective, making it a smart choice for both new developments and retrofit projects.



### Product Features:

- Power Selectable.
- CCT Selectable.
- Contemporary and architectural design.
- Multiple mounting.
- High output efficiency up to 150lm/W
- 3 kinds of optional optic lenses available.
- Special outdoor powder coating for strong anti-corrosion.
- Tool-less maintenance.
- Compatible with NEMA.

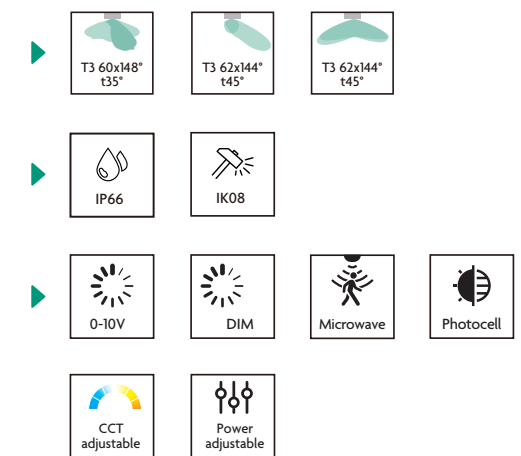
Hybrilux SKU	Power (Watt)	Efficacy (Ra70)	Lumens	Net Wt. (lbs.)	Size (DxH (inch))
SL25-05	5W	170 lm/W	850 lm	19.4	16.6 x 3.1
SL25-10	10W	170 lm/W	1,700 lm	19.4	16.6 x 3.1

### Solar Top Star Package Includes:

Every Hybrilux Package Includes:

- Custom system design based on a detailed site analysis
- High-efficiency solar LED fixtures with advanced optics
- Poles, bases, brackets, and mounting hardware

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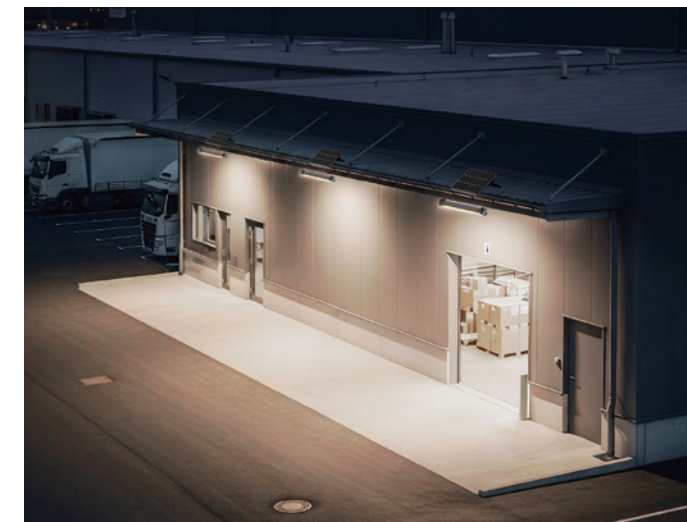


## Solar Linea

### High-Performance Split-Type Solar Tubular Light

The Hybrilux SL30 Solar Linea is a split-structure solar tubular light engineered for reliable, high-efficiency illumination indoors and out. Its separate mono-crystalline panel and PMMA lamp body deliver up to 180 lm/W, while an MPPT charge controller and long-life LiFePO4 battery (rated for over 2,000 cycles) ensure dependable performance night after night. Built from PMMA and 316 stainless steel with an IP66 weatherproof and IK08 impact rating, the Solar Linea stands up to harsh conditions with excellent corrosion resistance.

A five-stage intelligent dimming mode maximizes runtime, up to two nights of operation on a single charge, and the unit offers simple side-switch control plus an optional remote (up to 49.2 ft). Available in 3000K, 4000K, and 5000K color temperatures, with ceiling and wall mounting options, it's ideal for canopies, signage, bus stations, park pavilions, corridors, and more.



### Product Features:

- 20W output, efficacy up to 180 lm/W
- Mono-crystalline solar panel with MPPT controller
- Reliable LiFePO4 battery, 51.2 Wh, >2,000 cycles
- IP66 / IK08 rated; PMMA + 316 stainless steel construction
- 5-stage intelligent dimming; ~2 nights runtime

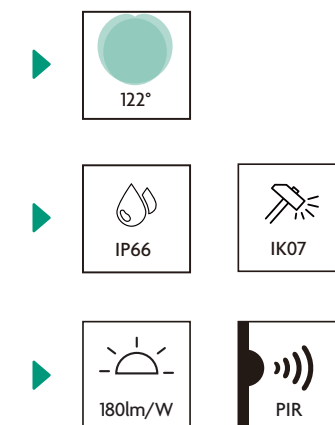
## Solar Technology

### Solar Linea Package Includes:

Every Hybrilux Package Includes:

- Custom system design based on a detailed site analysis
- High-efficiency solar LED fixtures with advanced optics
- Poles, bases, brackets, and mounting hardware

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Hybrilux SKU	Power (Watt)	Efficacy (Ra70)	Lumens	Net Wt. (lbs.)	Size (DxH (inch))
SL30-20	20W	180 lm/W	3,300 lm	9.22	Luminaire 35.8 x 12.2 x 8.66 Solar Panel 19.3 x 16.5 x 5.5



## Solar Pathfinder

### Elegant Design

Light up your pathways without tearing up landscaping. This sleek bollard requires no utility tie-ins and avoids long trenches and cable pulls - a cost-effective way to light up pathways.

The Solar Pathfinder is a modern, energy-efficient LED bollard light designed for performance and durability. Featuring an IP66-rated enclosure, mono-crystalline solar panel, and UV-resistant polycarbonate housing, it's built to withstand the elements.

With its sleek, architectural design, the Pathfinder is ideal for urban landscapes, walkways, and community spaces, delivering sustainable lighting with a refined aesthetic.



### Product Features:

- No trenching. No permitting. No electric bills.
- High efficiency up to 420 lm.
- Professional Type IV/Type V lighting distribution.
- Environmentally friendly - 100% powered by the sun, solar panels reduce fossil fuel consumption.
- Battery backup available for cloudy or rainy days.
- 19.69 inches and 42 inches height optional.

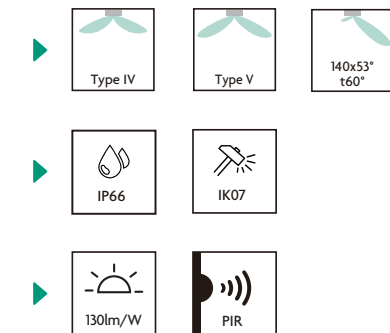
### Solar Technology

### Solar Pathfinder Package Includes:

Every Hybrilux Package Includes:

- Custom system design based on a detailed site analysis
- High-efficiency solar LED fixtures with advanced optics
- Poles, bases, brackets, and mounting hardware

Call (832) 553-3649 or visit [www.hybrilux.com](http://www.hybrilux.com) to get a quote today!



Hybrilux SKU	Power (Watt)	Efficacy (Ra70)	Lumens	Net Wt. (lbs.)	Size (DxH (inch))
SLB05-3	3W	130 lm/W	420 lm	11.24 / 14.55	Ø9.06 x 20.47 or 36.22



## Solar PathStar

Durability meets Modern Appeal

Light up your pathways without tearing up landscaping. This sleek bollard requires no utility tie-ins and avoids long trenches and cable pulls - a cost-effective way to light up pathways.

The Solar PathStar is a cutting-edge LED solar bollard engineered for both performance and durability. It features an IP66 rating, a high-efficiency mono-crystalline solar panel, and an impact-resistant polycarbonate housing.

Its sleek, architecturally inspired design makes it the perfect lighting solution for urban landscapes, pathways, parks, and public spaces.



### Product Features:

- No trenching. No permitting. No electric bills.
- High efficiency up to 680 lm.
- Professional Type IV/Type V lighting distribution.
- Environmentally friendly - 100% powered by the sun, solar panels reduce fossil fuel consumption.
- Battery backup available for cloudy or rainy days.
- Available in 20-in and 41-in height options.

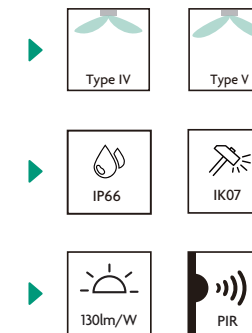
### Solar Technology

### Solar PathStar Package Includes:

Every Hybrilux Package Includes:

- Custom system design based on a detailed site analysis
- High-efficiency solar LED fixtures with advanced optics
- Poles, bases, brackets, and mounting hardware

Call **(832) 553-3649** or visit [www.hybrilux.com](http://www.hybrilux.com) to get a quote today!



Hybrilux SKU	Power (Watt)	Efficacy (Ra70)	Lumens	Net Wt. (lbs.)	Size (DxH (inch))
SLB10-4	4W	170 lm/W	680 lm	7.71 / 11.46	Ø9.06 x 21.45 or 41.14

## Why Hybrilux?

Because you deserve smarter, stronger, and more reliable lighting.

### • The Future of Lighting, Today

Our advanced hybrid solar technology gives you the perfect balance of performance, savings, and sustainability—right now.

### • America's First Certified Hybrid Solar Fixture

We're leading the way with the first UL-certified hybrid fixture in the U.S., setting a new industry standard for reliability, safety, and innovation.

### • Truly Turnkey

From expert system design to full package including poles and brackets, we manage it for you.

### • 99% Uptime. Zero Compromise.

Our systems provide uninterrupted performance, even in the most challenging environments.

### • Off-Grid or Hybrid—You Choose

Whether you're building new or retrofitting existing sites, we tailor each solution to match your goals, site, and budget.

### • Built for the Real World

Rain, wind, heat, or snow—our fixtures are engineered to perform and built to last in any environment.

### • Smarter Lighting, Bigger Savings

With motion sensors, dimming capabilities, and intelligent controls, our systems reduce energy waste and maximize efficiency.

### • Light the Way to a Greener Future

Lower your energy costs and make a real environmental impact—without sacrificing quality or reliability.

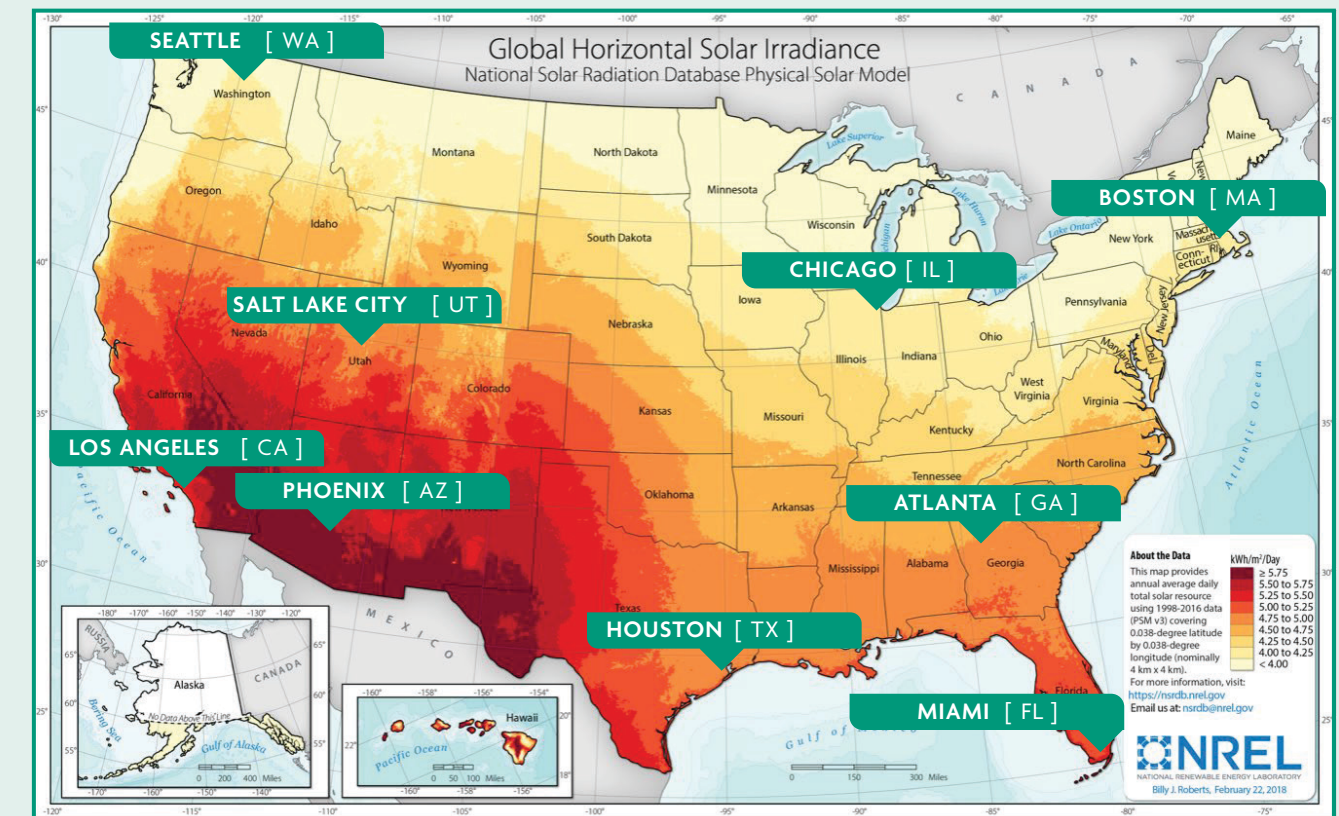
## Ready to Make the Switch to Smarter, Lighting?

### Get Your Free Custom Quote Today!

Step into the future with a high-performance solar or hybrid lighting system that's designed, built and installed just for you. Whether you're looking to cut energy costs, boost reliability, or go off-grid, Hybrilux delivers a complete solution that works. Let's get started today and bring your project to light!

## Solar Resource Across the United States

Hybrilux selected nine major U.S. cities to show how ambient temperature and seasonal variation impact charging performance, based on dusk-to-dawn operation, seven days a week.



### 1000W/m<sup>2</sup>/day—US Photovoltaic Average Per Day

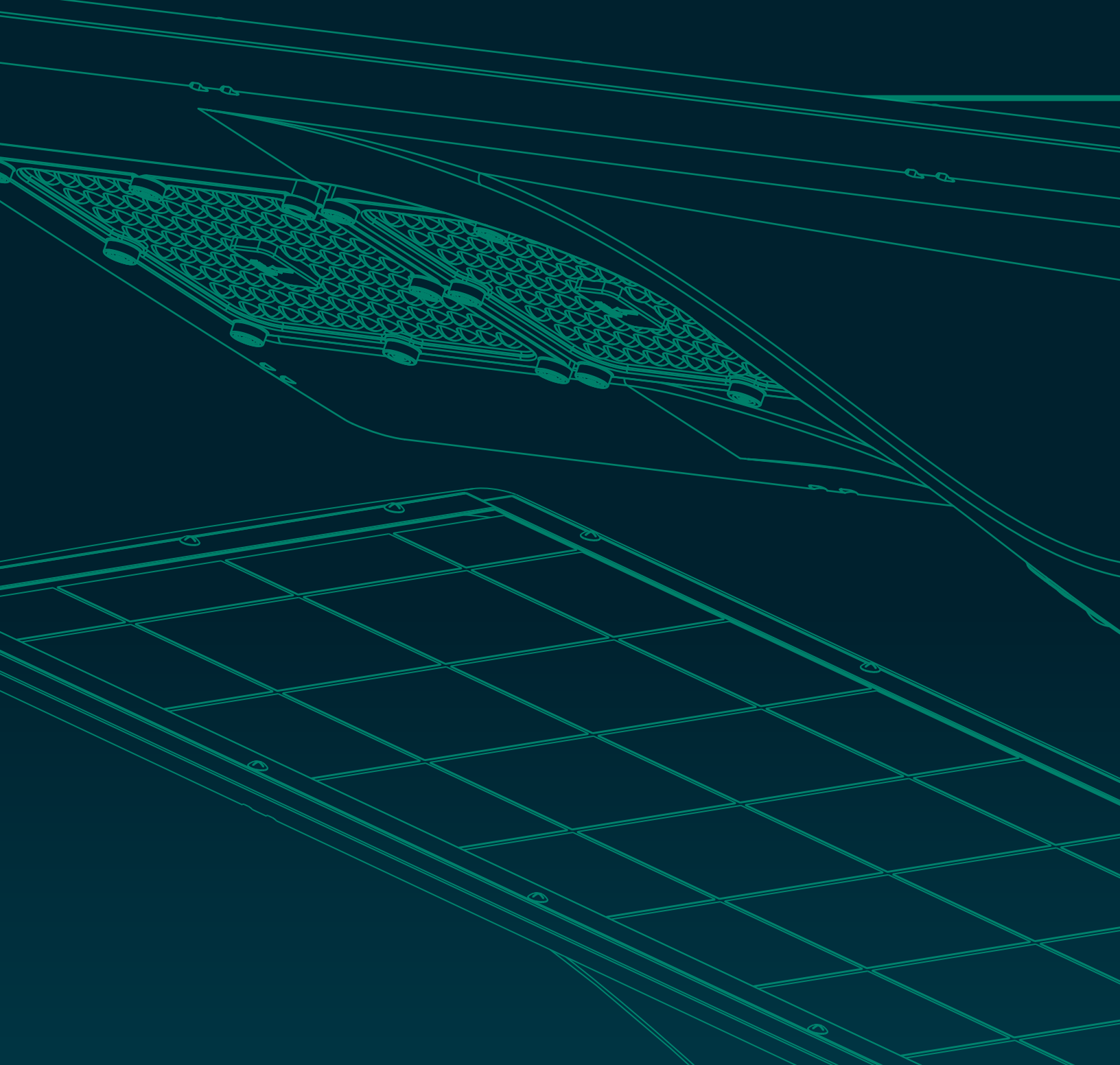
NOTE: Values shown are solar insolation for each U.S. state capital and will vary by your specific project location. Calculations assume a south-facing panel at 45° tilt, based on winter sun hours.

## The future of lighting, today.

(832) 553-3649  
www.hybrilux.com

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Annual average solar resource data is shown for a tilt-latitude collector. The data for Hawaii and the 48 contiguous states is a 10km, satellite model dataset (SUNY/NREL, 2018). The data for Alaska is a 40km dataset produced by the Climatological Solar Radiation Model (NREL, 2018).



[www.hybrilux.com](http://www.hybrilux.com)

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