



Product Catalog



STREETLIGHTS FOR THE MODERN ERA

Hassle-free, Cost-effective,
and Eco-friendly



Streetleaf's solar lighting system encompasses hardware, software, and services. Our innovative solution facilitates rapid deployment of renewable and resilient infrastructure at a fraction of the cost compared to conventional lighting

SERVICE AGREEMENT OPTION

With this option we take care of everything - The Streetleaf team will keep the lights on.



NO UPFRONT COST

We install utility-grade streetlights at any point in the building process, and we do it quickly.

\$0 investment



ALL INCLUSIVE PRICING

Includes installation, scheduled and on-going maintenance and 24/7 performance monitoring.

24/7 Expertise



DEPENDABLE PERFORMANCE

Rated for extreme weather with millions of hours of data collected and analyzed to optimized performance.

7,350 Installed



HAPPY HOAS

We stay in constant communication post-installation through the customer facing performance dashboard.

61 Communities

DIRECT SALES OPTION

With this option you directly purchase our high-quality and reliable streetlights.



STREETLEAF AVE
SL-LANE-150-820-5200

Applications

For use on single lane local roads.



STREETLEAF BLVD
SL-BLVD-220-1230-7200

Applications

For use on double lane collector roads.

FEATURES:

- Reliable battery technology
- High temperature tolerance
- Cat 5 hurricane rating
- Remote monitoring/control
- Premium outdoor LEDs
- DarkSky approved
- High-efficiency solar panels
- 5 year warranty

	Streetleaf AVE	Streetleaf BLVD
Lumens	5,200	7,200
Battery Wattage	820 Wh	1230 Wh
Panel Wattage	150 W	220 W

ADD-ON FEATURES

Lighting options for various applications to fit the specific requirements of your project



TURTLE SAFE

Rated for turtle nesting areas.

FEATURES:

- Shielded
- Nanometer range is invisible to turtles
- NRTL Verified nanometer rating on all chips
- Amber color range

CLASSIC BELL

Designed to fit a more classic aesthetic.

FEATURES:

- Same features as lights listed above
- 2-sizes for use on any Streetleaf light
- Internal glow for added traditional aesthetic



SOLAR BOLLARDS

Path lighting option for amenities.

FEATURES:

- 300 Wh battery
- 5-day battery backup
- Anti-theft hardware
- Thermal monitoring
- Aluminum - black finish
- Aluminum - bronze finish
- Brass - bronze finish
- Dimmable 5 W light output
- 600-900 lumens
- IP66

Sustainable Power, Unrivaled Reliability



15-minute
Installations



No Upfront
Investment



Sustainable for a
Greener Future



Proven Reliability
You Can Trust



Storm-Resilient
Performance

COMPONENTS

BATTERIES

Streetleaf utilized a LiFePO₄ (Lithium Iron Phosphate) chemistry, making them extremely safe due to their stable chemistry. LiFePO₄ batteries are known to have long lifecycles upwards of 2000 full cycles which means our 1230 Wh pack for example, is rated to last upwards of 10 years. These are fast charging cells with a high discharge rate. That translates to deduction in any downtime without significant loss of capacity or performance over time. Streetleaf utilizes multiple battery packs in our systems to suit project needs, but we always oversize the battery to create power redundancy so that even in times of severe inclement weather with minimal charge, our lights have a 5+ day autonomy!

REMOTE MONITORING

All Streetleaf products are IoT connected so that Streetleaf can proactively monitor and adjust lighting plans during inclement weather events. This allows Streetleaf to provide our clients with valuable intel about their street lighting.

POLES

Streetleaf utilizes a direct burial pole design ranging in heights from 15-26 feet tall. This design allows for a quick and easy installation. Made of 6063 T6 aluminum with a high-grade powdercoating, these poles engineered to stand the test of time.

SOLAR PANELS

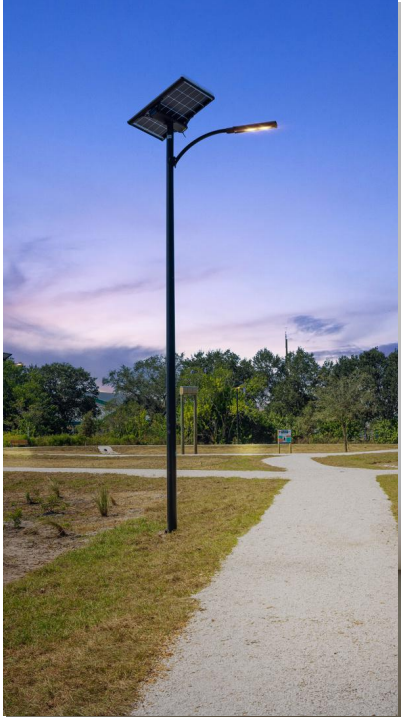
Streetleaf's bi-facial solar panels capture light from the sun as well as light reflected off the road that bounces back upwards. These panels are all built to an IK08 strength standard and IPP66 water and dust proof standard with a lifespan up to 25 years. Products range from an 80w panel up to 250W panels for individual lights. All wiring is kept internal and maintains that IPP66 rating. Streetleaf panels are also oversized when comparing to output wattage so that we always have a daily surplus of charge on our installations.

LIGHTHEAD

Streetleaf utilized best in class LED chips with 4-step binning that aligns our product right along the specified CCT (correlated Color Temperature) along the black body curve. This means a true 3000K or 4000K color temperature without mixing colors way outside that spectrum to achieve it. Translating to a more appealing and consistent light color and performance on the street. This coupled with a high value CRI (color Rendering Index) over 70 means a crystal clear picture and view at night. Most Streetleaf products are DarkSky compliant which provide a shielded less glary view. These chips are verifiably tested to last over 100,000 hours!

MOTION SENSOR

Our DISS and PIR Panasonic motion sensors allow Streetleaf to dim the lights (if the lighting plan calls for it) in non peak hours and trigger more output when needed as people cross the sensor's path.



streetleaf AVE

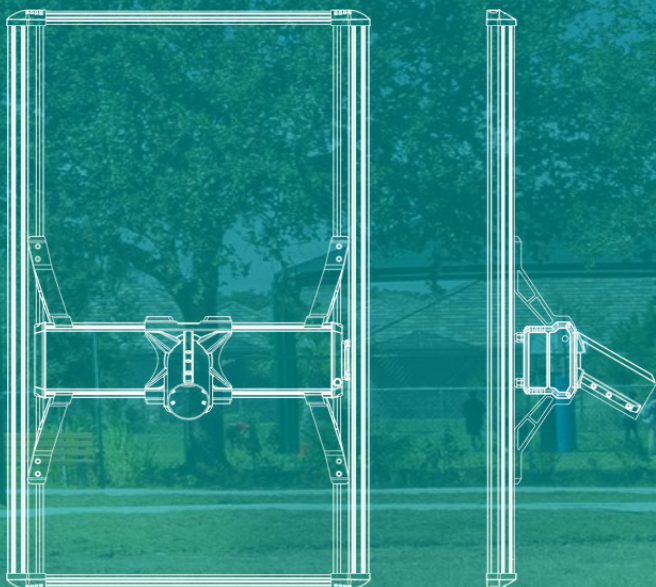
CE | IP66 | IK08

Streetleaf AVE is the next generation of solar technology with a larger battery for more days of light even in storm conditions.

It is programmable to conserve power during low-traffic hours, and motion sensor enabled to return to full light output if the sensor is triggered. We can install this light in 15 minutes or less.

Applications:

- Local roads
- Single-lane roads
- Amenity lighting
- Parks



STREETLEAF AVE

In quality testing phase

PV Module Physical Parameters

Power of PV Module (W)	150
Optimal Battery Capacity (Wh)	820
Net Weight of Product (lbs)	26.5
Dimension of Product (in)	52x17x4
Light Photosensitivity (lx)	60-90

Environmental Requirements

Charge Temperature	32 to 123 degrees F
Discharge Temperature	-4 to 123 degrees F
Storage Temperature (<3 months)	-4 to 113 degrees F

Mounting

EPA (Effective Projected Area) (ft2)	4.52
APA (Actual Projected Area) (ft2)	3.77
Wind Load Rate (mph)	150

LED Module Parameters

Light Output (W)	30
Qty. of LED Chips and Type	36 Luxeon 5050s
Typical Luminous Flux (lm)	5400
Optional Light Distribution	Hybrid type 2 and 3
Color Temperature (K)	3000k
Motion Sensor	PIR
Dimension of Product (in)	25x7x4
Input Voltage (V)	PIR
Visual Angle	140 x70
Net Weight of Product (lbs)	11.02

Mounting Recommendation

EPA (Effective projected area) (ft2)	0.57
APA (Actual projected area) (ft2)	0.47
Recommended Installation Height (ft)	16-25
Recommended Installation Distance (ft)	65-100

*The light source contained in this luminaire shall only be replaced by the manufacturer or his service agent or a similar qualified person.

*The torque setting for any bolts or screws used to secure the luminaire to the bracket is 14 N/m.

*For outdoor use only!

streetleaf[®]

BLVD

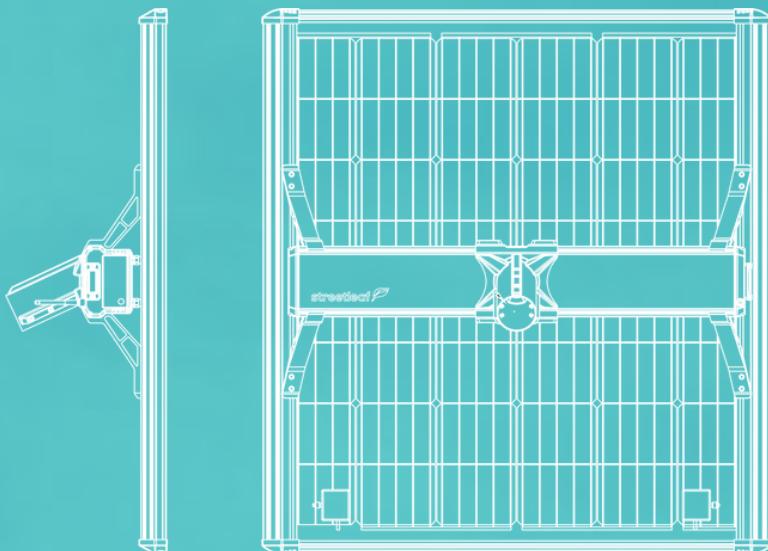
CE | IP66 | IK08

Streetleaf BLVD is a larger and brighter light designed for collector roads, and areas where you want more light.

It is programmable to conserve power during low-traffic hours, and motion sensor enabled to return to full light output if the sensor is triggered. We can install this light in 15 minutes or less.

Applications:

- Collector roads
- 2-lane roads
- Parks
- Parking lots



STREETLEAF BLVD

PV Module Physical Parameters

Power of PV Module (W)	220
Optimal Battery Capacity (Wh)	1229
Net Weight of Product (lbs)	70.54
Dimension of Product (in)	42x45x13
Light Photosensitivity (lx)	30

Environmental Requirements

Charge Temperature	32 to 123 degrees F
Discharge Temperature	-4 to 123 degrees F
Storage Temperature (<3 months)	-4 to 113 degrees F
Storage Temperature (3-12 months)	-4 to 77 degrees F

Mounting

EPA (Effective Projected Area) (ft2)	6.76
APA (Actual Projected Area) (ft2)	5.64
Wind Load Rate (mph)	150 (Max)

LED Module Parameters

Light Output (W)	40
Qty. of LED Chips and Type	2x24 (48 total)
Typical Luminous Flux (lm)	7200
Optional Light Distribution	Hybrid type 2 and 3
Color Temperature (K)	3000k
Motion Sensor	PIR
Dimension of Product (in)	25x7x4
Input Voltage (V)	PIR
Visual Angle	140 x70
Net Weight of Product (lbs)	11.02

Mounting Recommendation

EPA (Effective projected area) (ft2)	0.57
APA (Actual projected area) (ft2)	0.47
Recommended Installation Height (ft)	16-25
Recommended Installation Distance (ft)	65-100

*The light source contained in this luminaire shall only be replaced by the manufacturer or his service agent or a similar qualified person.

*The torque setting for any bolts or screws used to secure the luminaire to the bracket is 14 N/m.

*For outdoor use only!



Proven, Utility-Grade Reliability You Can Trust

Streetleaf has the largest fleet of solar-powered streetlights in the U.S. We design and manufacture them with high-quality components to ensure the lights are on every night. This is why companies like TECO, D.R. Horton, Lennar, and Municipalities including Manatee County Florida trust us to deliver.





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