iLamp
Base Model
Pricing Document

iLamp

The iLamp base model, a self-powered smart street light equipped with wrap-around solar panels, is an innovative solution that combines sustainability, technology, and cost-efficiency.

Base Model

Model	Features	Price
Lighting Only	Smart, Self-Powered, Automatic Lighting with Wrap-Around Solar Panel and Conflow Power battery	$11,800/unit

Note: The base model is estimated to save $1,100/year in energy and maintenance costs.

Modules

Module	Description	Price
Drone Guidance and Charging	For deliveries, charging, and forest fire prevention. Powered by Drone Ready.	Price on request/ Subject to local regulations
Wi-Fi and Cellular	Acts as a communication hub with built-in Wi-Fi.	Price on request/ Subject to local regulations
360° Live Camera	For deliveries, charging, and forest fire prevention. Powered by Drone Ready.	Price on request/ Subject to local regulations
Weather Station	Make street-by-street weather forecasts accurate.	Price on request/ Subject to local regulations
Air Quality	Monitor and help maintain clean air in your community.	Price on request/ Subject to local regulations

Auto Lighting	Reduces power wastage by turning on only when needed.	Price on request/ Subject to local regulations
Gunshot Detection	Can detect gunshots and report immediately to emergency services, improving public safety.	Price on request/ Subject to local regulations
Remote Updates	Over the air updates to add new features and revenue streams.	Price on request/ Subject to local regulations
Mobility Charging	Can act as a charging station for electric vehicles, generating revenue deposited to your account.	Price on request/ Subject to local regulations

All modules include the Conflow control panel. For more information about module pricing or to request a quote, please contact our sales department at +1-800-123-4567 or visit our website at www.ilamp.com. Please note that availability and pricing for modules may vary due to local regulations.

iLamp Order Form

YOUR INFORMATION

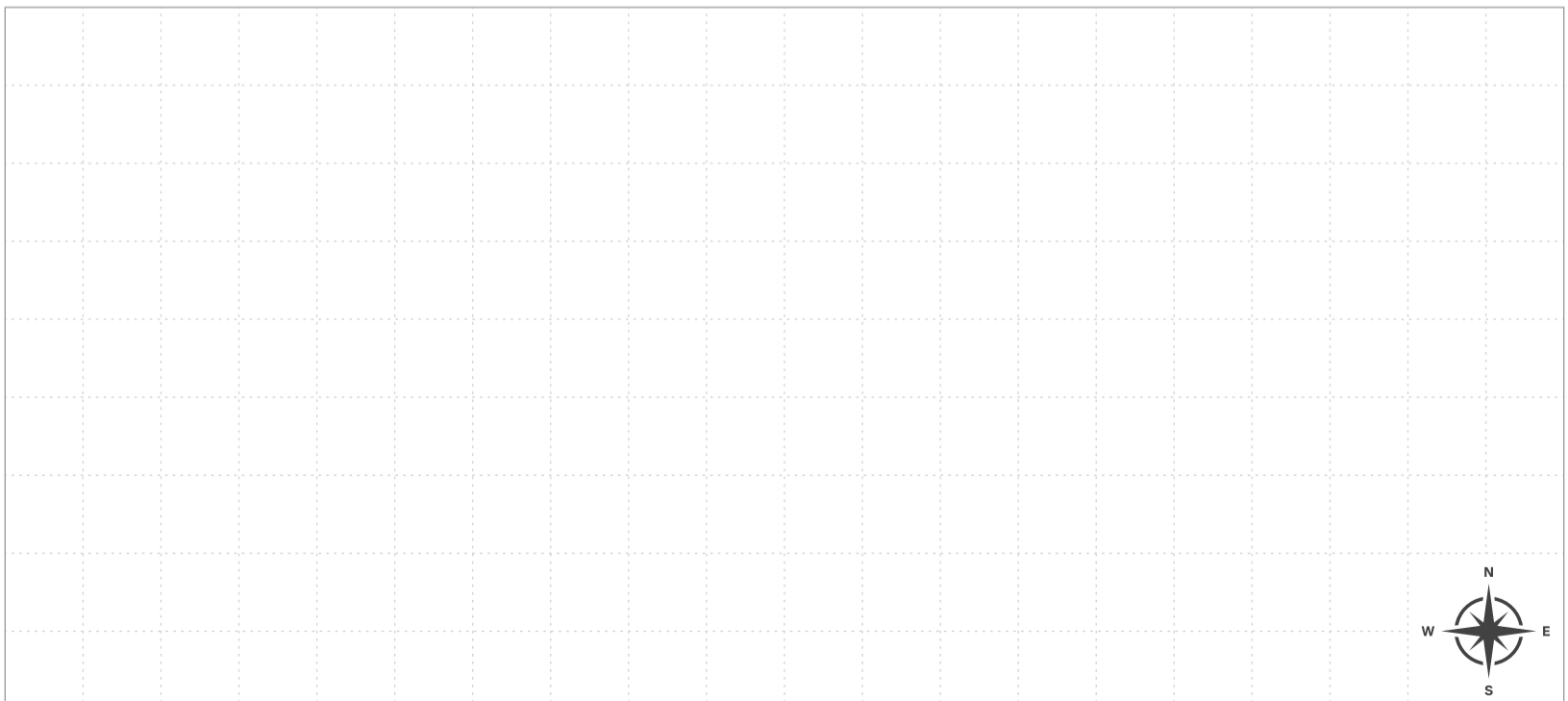Name and Surname

Email

Phone

Address

State

LOCATION

City of Installation

Application (Driveway, Pathway, Highway, Perimeter, Parking)

SITE PLAN

Provide layout of the area with proposed street light locations clearly marked

ROAD INFORMATION

Road Width

Distance Between Poles

Required Lumen

POLE INFORMATION

Existing Pole (Yes/No)

If yes, please attach the pictures.

Pole Height Requirement

Single or Double Arm Pole

Pole or Light Height Reference

ENVIRONMENT AND USAGE

What is the typical weather pattern for the installation location?
(This can affect the size and type of battery backup needed.)

Are there any specific environmental considerations, such as high winds, coastal salt air, heavy snow, etc.?

What is the usage pattern? Will the lights be used daily, or are they for occasional use?

Is there a specific pattern of light required for different times of the night, such as dimming late at night when fewer people are around?

Are there any specific lighting patterns required? (e.g., focused spotlight, wide area coverage)

INSTALLATION AND MAINTENANCE

Who will be installing the lights? Do they have specific requirements or limitations?

What is the plan for maintenance? For example, will there be regular checks and cleanings?

Are there any local renewable energy incentives or policies that should be considered for the project?

Will the solar lighting system need to meet any local planning or zoning requirements?

Please make us aware of any local regulatory, legal requirements or restrictions that need to be considered?

POWER AND PERFORMANCE

Are there specific performance requirements, such as a certain number of lumens per square foot?

What is the preferred color temperature of the light? (e.g., warm, neutral, cool)

Is there a preference or requirement for the type of light source? (e.g., LED, halogen, incandescent)

Is there a need for the lights to operate at a certain percentage of their total capacity during off-peak hours?

Are there any specific technical specifications for the LED lights like CRI (Color Rendering Index), **lifespan**, or **efficacy** (lumens/watt)?

Technical **standards or certifications** (IP rating, UL listing, etc.) **requirements?**

SYSTEM CONTROLS

Do you require any special controls for the system like programmable timers, remote control, or integration with a building management system?

Would you like the solar lighting to be part of a smart grid or Internet of Things (IoT) system?

MODULES

iLamp can be specified with additional modules which will be sourced to meet local requirements and regulations. Please check the desired modules below.

☐ Gunshot Detection

☐ 360 Camera

☐ Weather sensor

☐ Air Quality sensor

☐ 5G / WiFi connectivity

☐ Auto Light

☐ EV Charging

Other module requirements (provide technical specifications and power requirements):

LOCAL REGULATION / LEGAL REQUIREMENTS

Please make us aware of any local regulatory or legal requirements in the proposed installation area

LIGHT OUTPUT

Type of Road (Highway, Main Road, B Road, City)

Minimum Lux Requirement

BATTERY INFORMATION

Required Duration of Light Each Night

Required Maximum Power Light Duration at 100% Brightness

Backup for Rainy or Cloudy Days (in Days)

Battery Installation Location (Pole Top, Hanging on Pole, Pole Base, Inside Pole, Underground in IP68 Burial Box)

Battery Type (Normal Gel, Pure Gel, Economical LiFePO4 with cell 32650 or 32700, High-Temperature LiFePO4 with cell 26650)

SOLAR PANEL INFORMATION

Solar Panel Type (Flat or Cylindrical Monocrystalline or CIGS Flexible Film)

Note: Please consider cleaning and maintenance in dusty areas and the advantages of Cylindrical Solar Panels for such conditions.

SOLAR LIGHTING SYSTEM

Type of Solar Lighting System (All-in-one Integrated, All-in-two, or Split Type with Flat Panel or Cylindrical Solar Module)

QUANTITY

Number of Solar Street Lights Needed

OPTIONAL FEATURES

AC/DC Hybrid System (Yes/No)

Remote Monitoring (ZIGBEE, GPRS, LoRa Gateway)

Nema Socket (Yes/No)

ADDITIONAL NOTES

Please fill this form and return it to us at your earliest convenience. Please attach additional documents or pictures of the proposed site and any additional information, files or images that you think might help us in designing and specifying the lighting for this project.