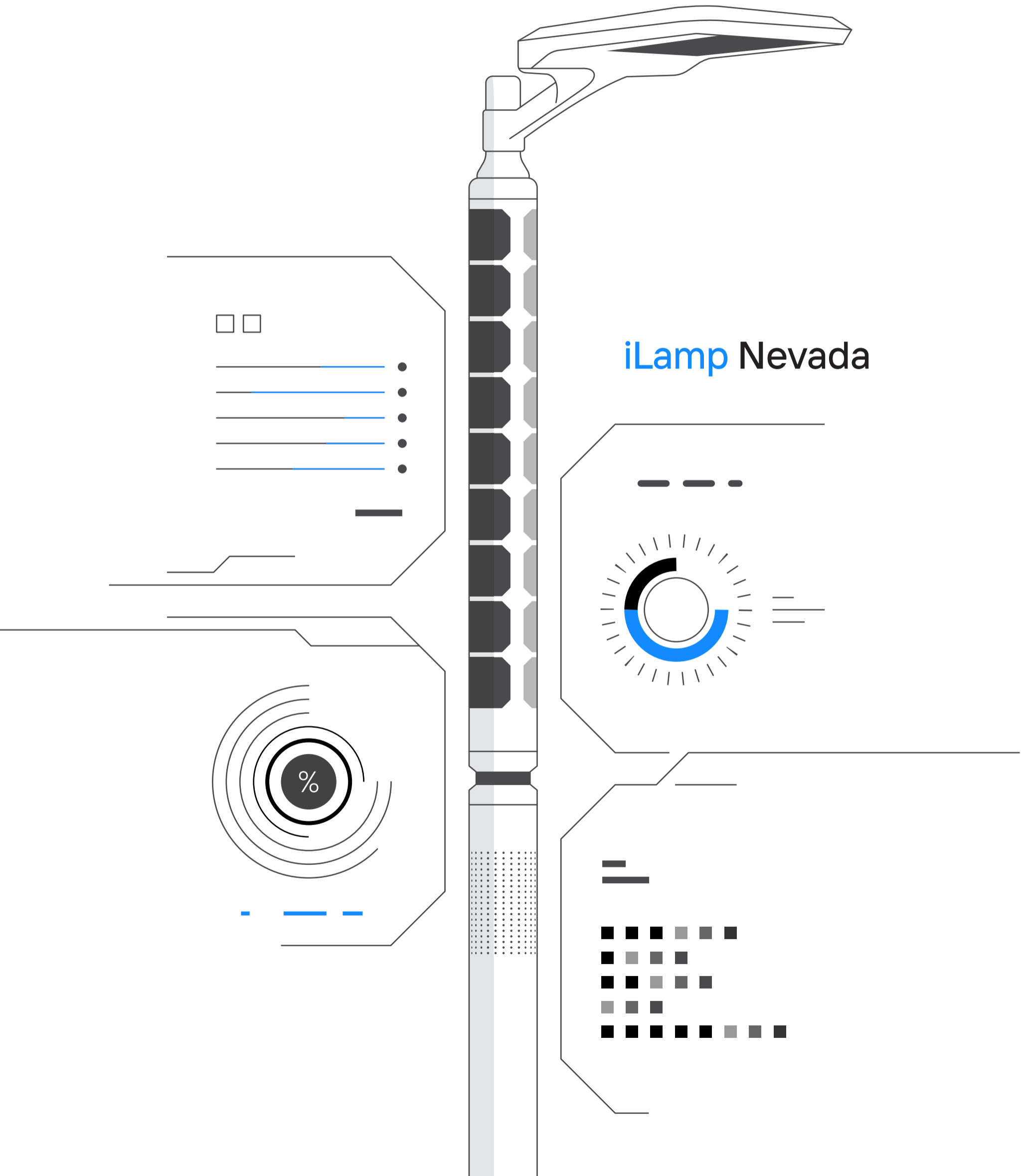


# iLamp



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Nevada Population  
**3.178 Million**

Required Streetlights  
**> 310,400**

Transportation Budget  
**> \$1 Billion**

Street lighting is the single largest source of carbon emissions from local government, accounting for 30-60% of their total emissions.

Enhanced lighting leads to significant and sustained reductions in both night and daytime outdoor crimes with a benefit cost ratio of 5.1-10.8.

On residential roads accidents are 58% more likely to be fatal in areas without street lights.

Nevada, with a rapidly growing transportation budget, strong incentives for renewable energy, tax credits, and rebates, alongside significant funding opportunities, faces notable challenges such as rising crime rates, currently above the national average, and escalating concerns about pedestrian and road user safety, with fatalities surpassing national norms. These circumstances present a unique and substantial opportunity within the state.

iLamp is not merely a streetlighting solution; it provides Nevada with a wide-ranging suite of strategies designed to unlock significant economic benefits, enhance public safety, reduce crime, and establish a robust technological platform that attracts American tech innovators and developers. This positions iLamp as a catalyst for spreading these solutions on a global scale.

iLamp's autonomous operation eases the burden on the power grid through its innovative cylindrical solar panels. Its modular design supports the integration of various sensors, hardware, and software solutions that boost pedestrian and road user safety, aligning with Nevada's goals of promoting solar energy, bolstering grid resilience, and reducing traffic fatalities. Thanks to its adaptable architecture, iLamp seamlessly integrates with local systems, making it an essential component of modern urban infrastructure.

By generating clean energy on site and intelligently storing it for later use, iLamp introduces a sustainable model for street lighting infrastructure. Its ability to integrate with existing utility frameworks can help reduce peak demand, encourage local clean energy adoption, and offer real-time data on energy generation and consumption. These features reinforce Nevada's standing as a leader in renewable energy and technology driven solutions.

iLamp creates new job opportunities across multiple sectors, from development, assembly and installation to ongoing maintenance. By leveraging Nevada's diverse talent pool and resources, iLamp supports regional prosperity and broader economic development. The option for sub licensing rights in specific regions or industry segments further helps to ensure that the benefits of iLamp's technology remain within Nevada.

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*Creativity is the power to connect the seemingly unconnected.*

- William Plomer



## iLamp

iLamp is more than a lighting solution. It's a groundbreaking strategy engineered to **benefit communities**, drive **high margin sales** and **generate persistent revenue** streams.

This system not only facilitates **constant upsells** through a dynamic add-on ecosystem available via the iLamp Add Store, but it also **continuously enhances its functionality** by incorporating sensors and software tailored to local needs and distributed globally, such as gas leak detectors, wildfire alerts, seismic monitors, and gunshot detection.

Each iLamp is able to bill for power, data and rackspace, making each iLamp a **micro data center, micro utility** and **micro telco** capable of delivering advanced services anywhere it is installed.

Beyond its technological edge, the iLamp fosters community development, catalyzing local microfactories, assembly lines, and installation services that **create jobs, boost property values, reduce crime, and decrease road fatalities** for both pedestrians and drivers.

Its modular, always on power, communications, and rack space ensure that the iLamp remains an adaptive, reliable, indispensable asset, unlocking new and as yet undefined benefits as it evolves within its community.

iLamp stands out as the **most cost effective solution for addressing various urban, suburban, rural, public and private sector challenges**.



## Tailored to Local Needs

Each iLamp can be customized to its specific environment and local requirements. Features include:

- **Customizable Lighting:** Adjusted based on location specific needs.
- **Modular Add-Ons:** Options such as cameras, gunshot detection, wildfire detection, communication systems, and localized data centers.

iLamp actively improves public safety by:

- **Integrating with Existing Infrastructure:** Seamlessly connects with current systems.
- **Providing Strategic Viewpoints:** Utilizes streetlights' positions to enhance surveillance and monitoring.
- **Improving Communications:** Facilitates emergency communications and strategic location data integration.

## Monetization Opportunities

iLamp offers multiple revenue streams for license holders:

- **Developer Pack:** Enables third parties to create addons that can **quickly integrate into any iLamp**.
- **Add Store:** Allows the sale of these addons to the broader global iLamp network, promoting **local development** and **global distribution**.
- **Recurring Revenue:** Data and energy charges generate ongoing income from existing installations.

## Durability and Resilience

iLamp devices are built to withstand harsh conditions, including sand, dust, hurricanes, storms, and flooding. Key features include:

- **Grid Independence:** Keeps lights operational even during grid failures.
- **Emergency Capabilities:** Provides critical communications, monitoring, and alert systems during emergencies.

## Safety and Economic Impact

- **Optimized Lighting:** Reduces road fatalities and improves emergency response times.
- **Crime Reduction:** Studies show iLamp can decrease crime by 20-40%. For instance:



- A UK Home Office study reported a **20% reduction in crime**.
- A U.S. study published in Criminology & Public Policy found a **45% reduction in nighttime index crime** and a **39% reduction in daytime index crime**.
- **Property Value Increase:** Each **1% reduction in crime** can lead to a **0.5-1% increase in property values**, making iLamp a highly cost effective method for enhancing community safety and real estate values.

## Economic Benets for License Holders

- **High Margins:** With a base model RRP of \$9,000 and costs of \$3,000 per lamp, license holders can achieve significant profits.
- **Local Manufacturing:** Parts and add-ons can be produced locally, supporting and boosting the local economy.
- **Easy Installation:** No trenching required, allowing for quick and efficient deployment by small teams.

## Meeting Goals and Accessing Funding

iLamp addresses multiple local objectives, including:

- **Vision Zero and Road Safety Goals**
- **Crime Reduction Goals**
- **Sustainability and Resilience Goals**

With a cost benefit ratio exceeding 1:40, iLamp is the single most effective purchase for communities worldwide, gaining access to various grant opportunities and financing options, covering up to **100% of purchase, installation and maintenance costs**.

## Learn More

For more information, please view our documents on:

- [Neighbourhoods](#) [Crime](#) • [Safety](#) [Power](#) • [Grants](#)
- [Data Centres](#) • [Microfactories](#) • [Health & Security](#)