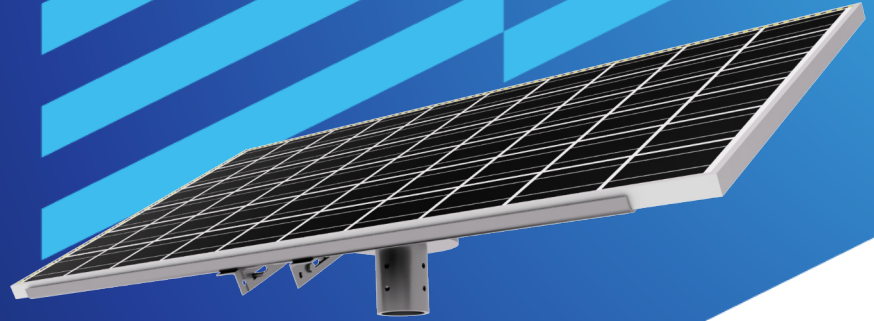


SOLAR

Smart Off-Grid Lighting

Cammi Lite (P)

Solar Street & Area Lighting | Fully Managed | Off-Grid
Custom Engineered Per Project



Max Load **(no dimming)**:
Up to **40 W** | **7,200 lm**

Max Load **(with dimming)**:
Up to **80 W** | **13,000 lm**

Suggested Pole Height:
20 ft – 34 ft

10-Year Standard Warranty • 30-40% Lower Cost of Ownership • 15+ Year System Life

Clear Blue's **Cammi Lite** is a fully customizable, solar-powered lighting system engineered to your site's specific requirements. Choose from a wide range of pole styles and luminaires to match your project's wind loads, lighting output, and aesthetics. With lithium-ion batteries, built-in Illumience cloud connectivity, and Clear Blue's Energy-as-a-Service (EaaS), every system is proactively managed remotely for total peace of mind. Designed for roadways, parking lots, campuses, and remote areas where reliability is critical.

➤ Smaller Batteries & Longer Battery Life

Smart Off-Grid power management handles seasonal and extreme weather, allowing smaller, less costly battery configurations without sacrificing uptime.

➤ Your Site. Your Specs. Engineered For Reliability.

From decorative streetscape poles to intensive DOT standards, Cammi Lite pairs with the luminaire and pole configuration your project demands. Every system is purpose-built, not off-the-shelf.

TECHNICAL SPECIFICATIONS

Solar Panel:	225 W monocrystalline	Controller:	Clear Blue Technologies Controller
Panel Dimensions:	1360 × 786 × 30 mm	Battery Voltage:	12.8 V DC
Total Weight:	36.3 kg (80 lbs)	Max Battery Current:	20 A
Panel Certifications:	IEC 61215 / IEC 61730 / UL 61730	Max Load:	40W (no dimming) / 80W (dimming)
Battery Type:	Grade A* LiFePO4 Lithium-Ion	Communications:	Cellular, Mesh, or WiFi
Battery Capacity:	105 Ah / 1344 Wh per battery	Panel Warranty:	10 Years
Solar Mpp Voltage:	10-30 V DC	Cloud Management:	Illumience (web & mobile)

**Unlike many solar companies that rely on Grade B cells, Clear Blue specifies only Grade A, Tier 1 EVE LiFePO4 batteries in every system.*

Guaranteed Uptime • Predictable Costs • Hardware Replacement Included • 15+ Year System Life

Built for Infrastructure That Cannot Afford to Fail

Departments of Transportation, utilities, and public infrastructure operators require lighting systems that perform to design specifications every night not just when they leave the factory. Traditional warranties cover manufacturing defects. They do not cover battery degradation, seasonal underperformance, or the cost of reactive field maintenance. Clear Blue’s **Energy-as-a-Service (EaaS)** model was built specifically for this gap: a predictable annual subscription that delivers guaranteed performance, included hardware replacement, and 24/7 live expert management for the full life of the system.

Operational Reliability
Addresses real-world degradation, not just factory defects. If a battery drops to 50% capacity and lighting underperforms, EaaS covers it. Warranty does not.

Hardware Replacement Included
During active EaaS, solar panels, batteries, and controllers are supplied and shipped at no additional cost. No prorating. No surprise CAPEX.

Remote Management & Monitoring
Clear Blue’s operations center manages sites 24/7. Predictive analytics and weather forecasting reduce on-site visits by ~80% compared to reactive maintenance models.

WARRANTY vs. ENERGY-AS-A-SERVICE SIDE BY SIDE		
	Warranty	Energy-as-a-Service (EaaS)
Coverage Intent	Manufacturing defects; limited duration (5-10 yrs)	Managed performance to design goals (15-20+ yrs)
Operating Model	Reactive: break / fix	Active + 24/7 live expert monitoring & optimization
Software Access	Limited / not provided	Full Illumience access: schedules, brightness, alerts, reports
Site Visits	Frequent / reactive; owner managed	~80% fewer via remote ops (owner handles local labor only)
Components	Limited coverage; prorating applies	Controllers, batteries, solar panels supplied while active
Budgeting	Prorated / variable; surprise CAPEX	Flat, predictable annual fee
Cost Outcome	Higher long-term cost	~30-40% lower total cost over system lifespan

EaaS Coverage Details

- Included Term**
Standard 3-year EaaS included with system purchase; renewable for the life of the system.
- Included Replacements**
Solar panels, batteries, and controllers provided at no additional cost while EaaS is active.
- Year 15 Example**
Clear Blue ships and replaces failed components as part of the service. Customer pays local site visit time only.
- 10-Year Standard Warranty Included***
Covers manufacturing defects on all components. EaaS is the next tier covering operational realities and managed performance beyond what warranty provides.

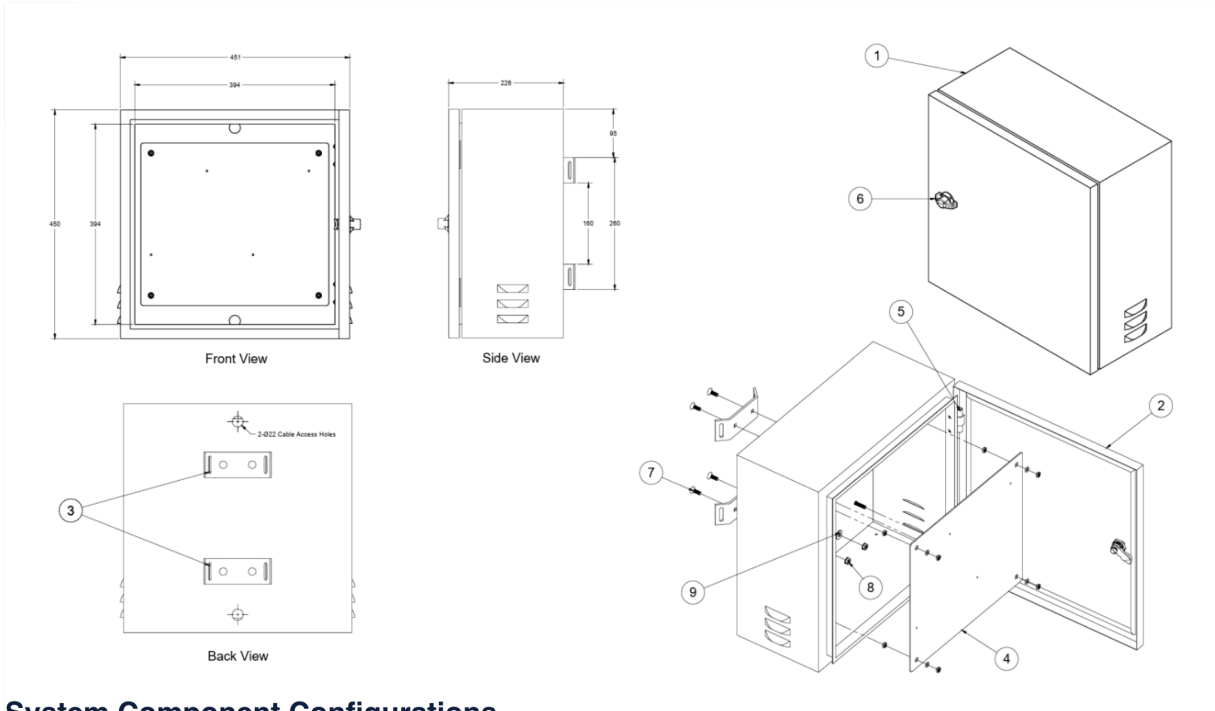
*10-Year warranty on solar panel. Other components have varying length of term associated with their manufacturer warranties.

Why Customers Choose EaaS

- ✓ Predictable annual opex eliminates surprise capital expenditures mid-cycle.
- ✓ Guaranteed photometric performance meets regulatory and safety obligations.
- ✓ Remote diagnostics and remediation reduce truck rolls and labor costs significantly.
- ✓ Battery health monitoring and proactive replacement prevent dark-road events.
- ✓ System life extended to 15-20+ years, lowering total cost of ownership by 30-40%.
- ✓ Illumience platform provides audit-ready reporting for compliance and management.

Guaranteed Uptime • Predictable Costs • Hardware Replacement Included • 15+ Year System Life

Load Outputs			
Load 1	Source Type: Constant Current or Constant Voltage		
		Constant Current	Constant Wattage/Voltage
		Voltage	20–38 V Max
		Current	0.8 A Max
Load 2	Source Type: Constant Voltage		
		Constant Voltage	
		Voltage	30V or 48V
		Current	3.3A@30V 2A@48 V
	Dimming (Optional): 10V – 10KHz PWM Signal		
		Wattage	100 W



System Component Configurations

- ✓ A: System Name - Cammi Lite (P)
- ✓ B: Number of Solar Panels - 1
- ✓ C: Solar Panel Roof Mount - Between 15° or 45°
- ✓ D: Enclosure External Finish - GR (Grey RAL 7035)
BK (Black RAL 9005)
XX (Custom Color)
- ✓ E: Motion Sensor Included - MS (Included)
N (Not Included)

Example:

Cammi Lite (P) - 1 - 15 - GR - N

A B C D E

Request a Quote or Book a Free Discovery Call

clearbluetechnologies.com | +1 647 748 4822 | sales@clearbluetechnologies.com