

SENTI

All-in-One Smart Off-Grid Lighting Solution for Park & Pathway Applications

Intelligent solar lighting effortlessly illuminates parks, pathways, parking lots, and urban corridors. Whether off-grid or grid-connect, it maximizes light that work for through:

- > **Energy Forecasting & Management**
- > **Remote Troubleshooting & Remediation**



Maximum Uptime

Enhance uptime with our comprehensive solution, integrating predictive analytics, precise weather forecasts, and adaptable light profiles. Through proactive analysis, we anticipate and address potential issues, while tailored weather insights empower strategic planning.



Long Life

Our dynamic charging algorithm uniquely focusses on battery charging to ensure optimal battery management for longer system life and maximum reliability.



Easy Installation & Maintenance

More than 80% of all issues are managed and eliminated through Clear Blue's remote management service. Installers and customers get peace of mind through our commissioning & provisioning services to ensure you get it right the first time, every time.



Hands Free Management

Discover effortless management with our service team. We monitor and manage your systems using advanced predictive analytics like potential energy and weather forecasts, freeing you from the hassle.

Project Information

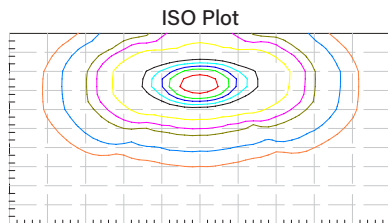
Project Name	
Type	CBT-SE-
Quantity	

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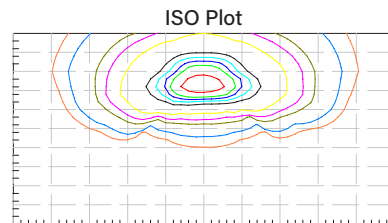
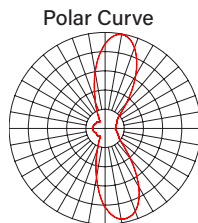
Lighting Specifications

Light Specifications	
Performance	9.6W with a total fixture efficacy (lumen output) up to 1600 lumens, range of user selectable intensity profiles to suit your specific needs. Choose from consistent High, Mid, or Low Intensity options for tailored illumination. For energy efficiency with on-demand brightness, our Motion-Activated Profiles provide High or Low Intensity power boost only when triggered. Ultra Low Intensity mode for minimal energy consumption.
Colour Temperature (K)	LED Colour temperature (CCT) Options – 2200K, 3000K, 4200K*, 5000K or Amber colour for coastal regions to preserve wildlife
CRI	70% minimum, higher CRI available upon request.
Fixture Colors	Black* (RAL 9011), grey (RAL 7004), dark bronze (RAL 8041)
EPA	Side EPA it is 0.108m ² and front EPA 0.127m ²

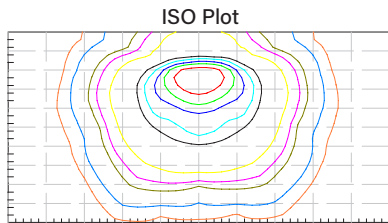
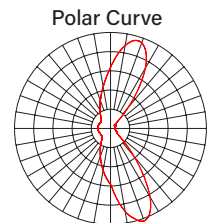
Photometrics



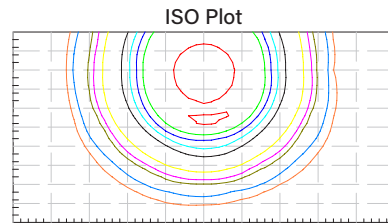
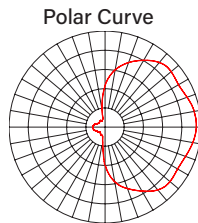
T2M - Type II Medium
at 10m / 33ft



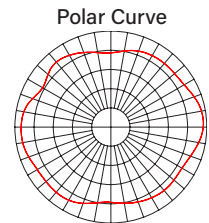
T3M - Type III Medium
at 10m / 33ft



T4M - Type IV Medium
at 10m / 33ft



T5W - Type V Wide
at 10m / 33ft



How to Order

CBT-SE- - - - - - - - -

Distribution	CRI & CCT	Batteries	Solar	Comms	Mounting Type	Colour	Grid Support	Pole
T2 : Type 2 Urban*	722 : 70CRI, 2200K	1B : 30Ah LiFePO4*	30 : 30W*	C : Cellular*	SF : Slip Fit*	BK : Black*	NG : No Grid*	NPP : None*
T3 : Type 3 Urban	730 : 70CRI, 3000K	2B : 60Ah LiFePO4*		W : WiFi*	WM : Wall Mount / Surface Mount	BZ : Bronze	GC : Grid Connect*	P10 : 10ft/3.1m
T4 : Type 4 Urban	740 : 70CRI, 4000K*					GR : Grey		P12 : 12ft/3.7m
T5 : Type 5 Urban Wide	750 : 70CRI, 5000K							P14 : 14ft/4.3m
	840 : 80CRI, 4000K							P16 : 16ft/4.9m
	850 : 80CRI, 5000K							P18 : 18ft/5.5m

*Regularly stocked

Example

CBT-SE-T2-740-2B-30-C-SF-BK-NG-NPP

User Selectable Light Intensity Profiles			
High Intensity with Motion	On at 50% from sunset to sunrise - motion set to 100%	Low Intensity with Motion	On at 20% from sunset to sunrise - motion set to 50%
Evening High Intensity with Motion	On at 50% from sunset to 11PM - motion set to 100%	Evening Low Intensity with Motion	On at 20% from sunset to 11PM - motion set to 50%
High Intensity	On at 100% from sunset to sunrise	Mid Intensity	On at 75% from sunset to sunrise
Low Intensity	On at 50% from sunset to sunrise	Ultra Low Intensity	On at 20% from sunrise to sunset

custom profiles available upon request



Illumience System Hub - Remote Monitoring and Management



System Wifi App - Local Monitoring and Management



Energy as a Service

EaaS ensures lifetime replacement of aged electrical components, monitoring and replacing batteries, solar panels, and controllers as needed. Customers enjoy peace of mind with fixed operating expenses, avoiding unexpected costs, downtime, and warranty hassles, while a professional team ensures peak system performance.



Illumience

Illumience Smart Off-Grid offers 24x7 remote monitoring, proactive servicing, and efficient management for lights, enhancing reliability and performance. Clear Blue's predictive analytics, weather forecasting, and individual load control ensure maximum uptime with reduced installation and maintenance costs.



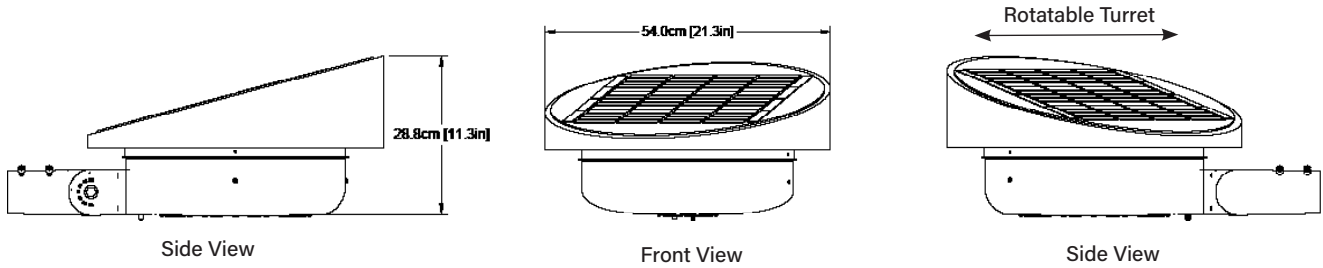
Service Support

Clear Blue's service team, comprised of dedicated power professionals, supports systems from installation to day-to-day operation, ensuring maximum uptime. Trained to diagnose various field issues, such as shading on solar panels, battery degradation, short circuits, and weather-related performance concerns, their services are included in the Illumience subscription.

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Mechanical and Power Specifications

Mechanical



Mounting options	Wall mount/surface mount or slip-on mount (1.625" - 2.375" OD tenon mount)
Light Fixture Weight	33lbs (15kgs) max

Pole Options

Pole Height	10ft, 12ft, 14ft and 18ft pole are optional. Customer can supply their own pole if preferred.
Pole Type	Aluminum pole
Pole Colour	Black, Grey, Brown. Colours can be customized (see sales representative for details)

Power Components

Solar Panel	30W. Rotatable turret allows for solar panel to be oriented in the best direction to optimize solar generation in any location in the world.
Batteries	1 or 2x30Ah LiFePO4 batteries.
Optional Grid Connect	Solar-grid hybrid solutions are available for both grid retrofit and grid backup solutions.

Visuals

