



# OLP + S1

Solar intelligence for  
Our future


## Universal Application (UA)

S1 is the universal application (UA) pole light where performance for roadway safety meets aesthetics for community placemaking.

The UA appeal and performance customization makes S1 a unique choice for achieving an overall cohesive public realm identity.





A night scene of a coastal road. On the left, a tall, modern streetlight with two horizontal arms and rectangular light fixtures stands on a sidewalk. The road is a two-lane highway with white dashed center lines and yellow solid edge lines. A car is visible in the distance on the right lane. To the left of the road is a body of water with a metal railing. In the background, there are city buildings under a dark sky.

When applied as streetlights, the full optical precision with 0° polarized lens can.

- Optimize elimination of all glare.
- Elevate road safety at all levels.
- Enhance overall light efficiency by 40%.



In cityscapes, S1 can

- Best render the nighttime color accuracy.
- Minimize light pollution.







### **Design simplicity meets ultimate performance**

High performance from optics (anti-glare technology), energy saving to lifespan.

### **Best lights year round**

Intelligent battery management system (BMS) runs energy discharge accordingly to local solar radiation and weather changes.

### **Future-proof all the way**

Design with smart pole IOT flexibilities + optimal solar sensor and rotational calibrator.

### **Built for sustainability**

Estimated 80-85% of all parts and components are recyclable.  
Fully embracing the concept of green environmental sustainability.

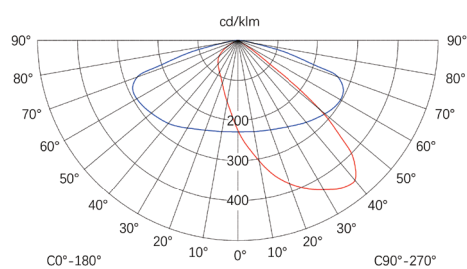
# S1



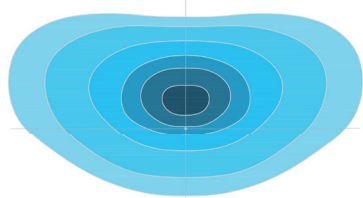
# S1-A

10m, 12m, 14m

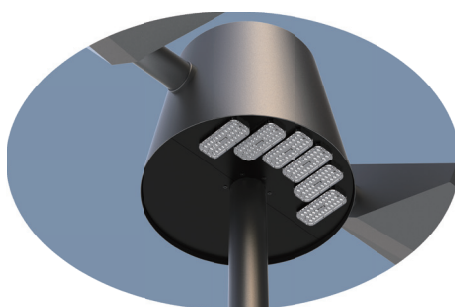
## Light distribution curve



## Light distribution diagram



Two-way lanes, arranged symmetrically.

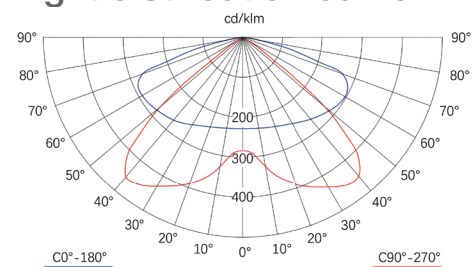




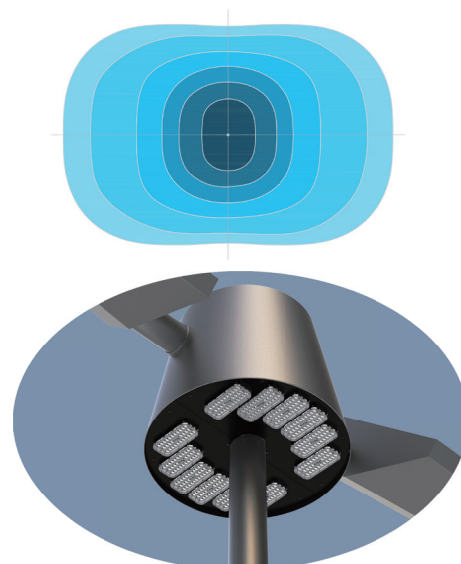
# S1-A

11m, 13m, 15m

Light distribution curve



Light distribution diagram



The dual carriageway is arranged along the central median strip.

15.00m

13.00m

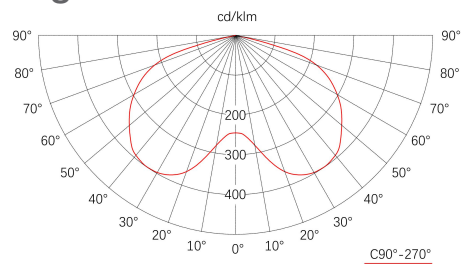
11.00m



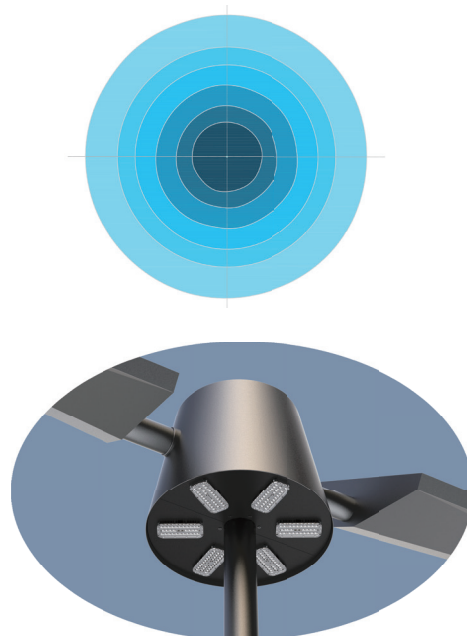


# S1-B

Light distribution curve

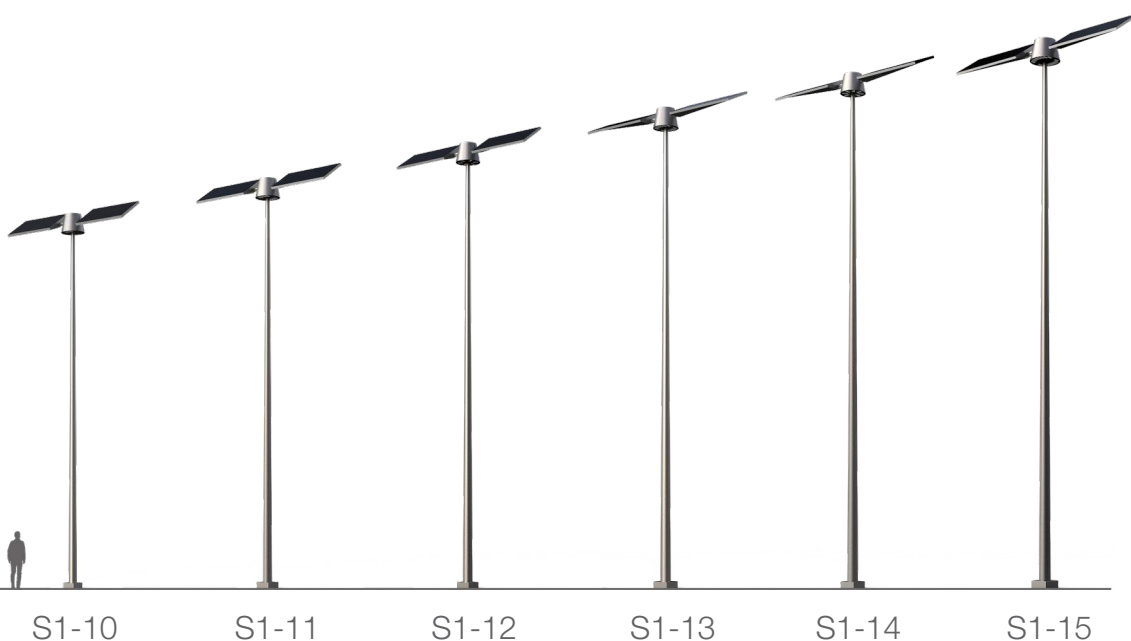


Light distribution diagram



Plaza / park / open space, 360° uniform illumination.

15.00m  
14.00m  
13.00m  
12.00m  
11.00m  
10.00m





# Technical Specification

<b>General</b>	
CE Marking	Yes
Warranty Period	3 years
Operating Temperature	-20°C to +60°C
<b>Material</b>	
Pole	Galvanized Steel
Accessories	Aluminum
Surface Treatment	Fluorocarbon Paint Spraying
Colors	Dark Grey/Customizable Colors
Impact Resistance	IK 08
<b>LED Module</b>	
Optical Protector	PC Integration
Protection Level	IP 65
Lighting efficiency	268 lm/W
LED Color Temperature	2700K / 3000K / 4000K
Color Rendering Index (CRI)	>70
Lifespan	500,000h - L95

<b>Battery</b>	
Technology	LiFePo4
Voltage	25.6V(LFP)
Capacity	Optional
Operating Temperature	-20~60°C (LFP)
Continuous Rainy Days	Areas with solar radiation & seasons ≥ 5h Areas with solar radiation & seasons ≥ 3h
Protection Level	IP65
Expected Lifespan	>10 years
<b>Solar Panel</b>	
Technology	Monocrystalline Silicon Cell Technology
Frame	Anodized Aluminum Alloy
Glass	Tempered Glass
Expected Lifespan	25 Years
<b>Controller / Optical Components / Battery</b>	
Independently Developed	
Adaptation to Local Conditions	Optional
Urban IoT	Optional

## CERTIFICATE

No. 0P250804.BOUQQ11

Test Report / Technical Construction File no. TLBJ25072873828, TEBJ25072873829

Certificate's Holder: Beijing OLP Urban Technology Co., Ltd.  
Room A-10554, Building 3, No. 20 Yang'an Road, Shilong  
Economic Development Zone, Mentougou District, Beijing,  
China

Manufacturer: Shandong YEDA OLP Urban Technology Co., Ltd.  
Room 332, 3rd Floor, Building 3, No. 277 Changjiang Road,  
Yantai Development Zone, Yantai Area, China (Shandong)  
Pilot Free Trade Zone, China



Product: Solar Street Light  
Model(s): (see the following annex)

Verification to: Standard:  
EN IEC 60598-1:2021+A11:2022,  
EN 60598-2-3:2003+A1:2011, EN 62493:2015+A1:2022,  
EN 62471:2008, EN IEC 62031:2020+A11:2021,  
EN IEC 55015:2019+A11:2020, EN IEC 61547:2023  
related to CE Directive(s):  
2014/35/EU (Low Voltage)  
2014/30/EU (Electromagnetic Compatibility)

**Remark:**  
The manufacturer has voluntarily decided to submit its documents concerning the above-mentioned product for verification. Ente Certificazione Macchine confirms that the documentation made available and immediately returned to it, as containing sensitive data, meets the essential requirements of the above-mentioned directive/standard. The verification activity carried out exclusively concerned the technical documentation and no verification was carried out on the product. This document cannot replace the EC Declaration of Conformity. This document was issued in accordance with regulation (RGVOLDI) published on the website of [www.entecerma.it](http://www.entecerma.it) and concerning voluntary certifications with a non-notified procedure.

Issuance date: 04 August 2025

Expiry date: 03 August 2030

For online check:



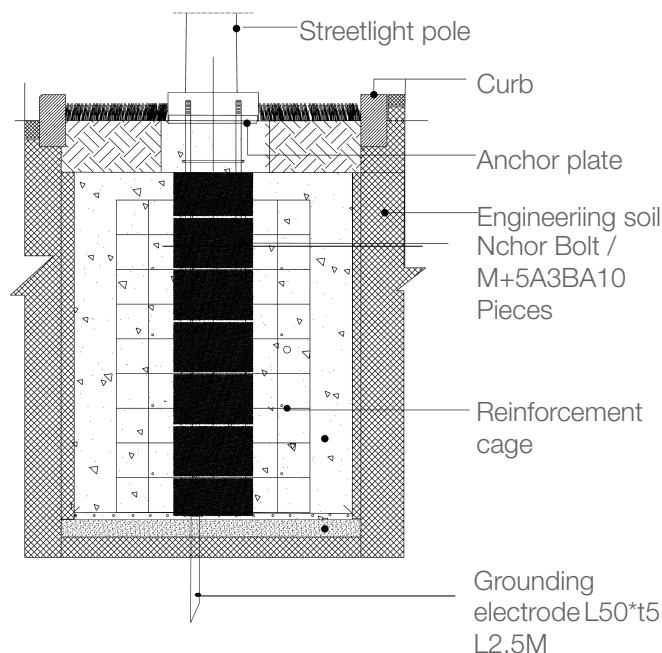
Approver  
Ente Certificazione Macchine  
Legal Representative  
Luca Bazzoni



Ente Certificazione Macchine Srl

Via Ca' Bella, 243 - Loc. Castello di Serravalle - 40053 Valsamoggia (BO) - ITALY  
☎ +39 051 6705141 📠 +39 051 6705156 ✉ info@entecerma.it 🌐 www.entecerma.it

## Foundation construction section view



# About OLP

## OLP Urban Technology

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### Brand Overview

Originally a design-driven company, OLP is dedicated to the innovative application of solar energy to transform human experiences. Our integrated design solutions seamlessly combine advanced technologies with contemporary aesthetics, creating human-centered, sustainable environments.

With over two decades of experience in urban lighting and street furniture design and implementation, we uphold our design ethos by blending the spirit of public art with robust technologies in optics and solar intelligence.

At OLP, we strive to build a more sustainable and “better-looking” world. We firmly believe that clean energy and clean aesthetics have the power to inspire change, transform communities, and illuminate a promising future.



## Our Vision

### Mission

To make light a daily source of freedom, clarity, and inspiration.

### Vision

Illuminating tomorrow, reliably, sustainably, elegantly.

### Value Proposition

We create solutions that are safe and reliable, trusted and professional, artfully designed to be seen and felt.

## Philosophy & Belief

We believe the sun gives more than light. It offers energy, rhythm, and order. Solar power is the driving force of future life: it lights spaces, powers infrastructure, mobilizes transportation, and inspires new ways of living.

What we pursue is not just an upgrade of lighting products, but a profound reinvention of how energy, design, and humanity connect, from a single light to the pulse of an entire city.

## Responsibility & Cultural Relevance

We are committed to sustainability, driving zero-carbon transformations in cities, actively practicing corporate social responsibility.

We believe a better city is defined not only by technology but also by the unity of human compassion and natural harmony.



Solar intelligence for Our future

the Hub  
@ Beijing

the Foundry  
@ Yantai

the Atelier  
@ Hongkong

+86 15510716985  
[arora.chen@olpolp.com](mailto:arora.chen@olpolp.com)