

# Street lighting

PV solution for road applications



# SSL



## Descrizione prodotto

Lampione ad alimentazione fotovoltaica con batterie al Piombo Gel ad alto numero di cicli (>1500 cicli con DOD 50%) e lampada a LED ad alta efficienza. Il regolatore di carica Western CO. è dotato di tutte le protezioni necessarie per mantenere efficiente e funzionale la batteria al Piombo in qualsiasi condizione, anche con 3 giorni di assenza sole. Ciò garantisce alla serie di lampioni SSL contenuti costi di manutenzione e massima funzionalità e affidabilità. Disponibile in diverse taglie di potenza lampada, batteria e modulo FV per adattarsi a installazioni in tutto il mondo.

[eng]

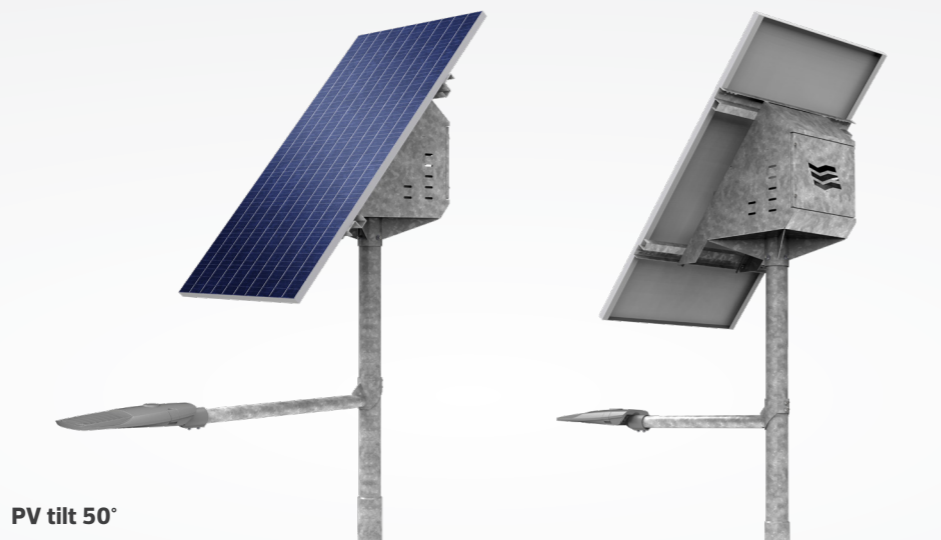
## Product description

Photovoltaic powered streetlamp with high-cycle lead gel batteries (> 1500 cycles with 50% DOD) and high efficiency LED luminaire. The Western CO. charge controller is equipped with all the protections necessary to keep the Lead battery efficient and functional in any condition, even with 3 days of absence of sun. This guarantees low maintenance costs and maximum functionality and reliability to the series of SSL streetlamps. Available in different sizes of luminaire power, battery and PV module to adapt to installations all over the world.

[fra]

## Description du produit

Lampadaire à énergie photovoltaïque avec batteries au plomb gel à cycle élevé (> 1500 cycles avec 50% de DOD) et lampe à LED à haute efficacité. Le contrôleur de charge Western CO. il est équipé de toutes les protections nécessaires pour maintenir la batterie au plomb efficace et fonctionnelle dans toutes les conditions, même avec 3 jours d'absence de soleil. Cela garantit de faibles coûts de maintenance et une fiabilité maximale à la série de lampadaires SSL. Disponible en différentes tailles de lampes, batteries et modules photovoltaïques pour s'adapter aux installations du monde entier.



PV tilt 50°

SSL 50



PV tilt 25°

SSL 25

## Caratteristiche prodotto



Long life (>1500 cycles 50% DOD) deep cycles Pb GEL battery



High efficiency LED lamps

[eng]

## Product features



High efficiency MPPT technology charge controller



Flux reduction self management to prevent low battery level

[fra]

## Caractéristiques du produit



Remote control by Bluetooth App or by 2G modem and WCloud web application



Low maintenance cost

## Lampade disponibili

[eng] Available lamps

[fra] Lampes disponibles



Sun Light Silver XS 24-42  
LED lamp



Sun Light Silver S 60-84  
LED lamp

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(Maggiori informazioni - More info - Plus d'informations)

## Batterie disponibili

[eng] Available batteries

[fra] Batteries disponibles



150Ah - Pb Gel  
Battery capacity



200Ah - Pb Gel  
Battery capacity



300Ah - Pb Gel  
Battery capacity

## Monitoraggio e Controllo

Il lampione SSL monta il regolatore di carica Western CO. SPB-20 con controllo remoto Bluetooth® integrato. Attraverso applicazione su smartphone o PC, è possibile visualizzare il funzionamento dell'intero lampione, in particolare permette di:

- misurare la corrente / tensione del modulo FV, della batteria e della lampada;
- settare i parametri di accensione della lampada;
- visualizzare i dati del logger.

Questo sistema facilita l'installazione e il controllo del lampione garantendo un'efficace ed efficiente manutenzione.

A richiesta può essere fornito il lampione con il regolatore SPB-LS GSM con modem 2G per controllo e monitoraggio a distanza.

[eng]

## Monitoring and control

The SSL streetlamp has a Western CO. SPB-20 charge controller with integrated Bluetooth® remote control. Through application on smartphone or PC, it is possible to view the operation of the entire streetlamp, in particular it allows you to:

- measure the current / voltage of the PV module, the battery and the luminaire;
- set the luminaire ignition parameters;
- view the logger data.

This system facilitates the installation and control of the streetlamp, ensuring effective and efficient maintenance. On request, the streetlamp can be supplied with the SPB-LS GSM controller with 2G modem for remote control and monitoring.

[fra]

## Surveillance et contrôle

Le lampadaire SSL possède un contrôleur de charge Western CO. SPB-20 avec commande à distance Bluetooth® intégrée. Grâce à une application sur smartphone ou ordinateur, il est possible de visualiser le fonctionnement de l'ensemble du lampadaire, en particulier il vous permet de:

- mesurer le courant / la tension du module PV, de la batterie et de la lampe;
- définir les paramètres d'allumage de la lampe;
- afficher les données de l'enregistreur.

Ce système facilite l'installation et le contrôle du lampadaire, assurant une maintenance efficace et efficiente. Sur demande, le lampadaire peut être fourni avec le contrôleur GSM SPB-LS avec modem 2G pour le contrôle et la surveillance à distance.



**Bluetooth control  
included as standard**

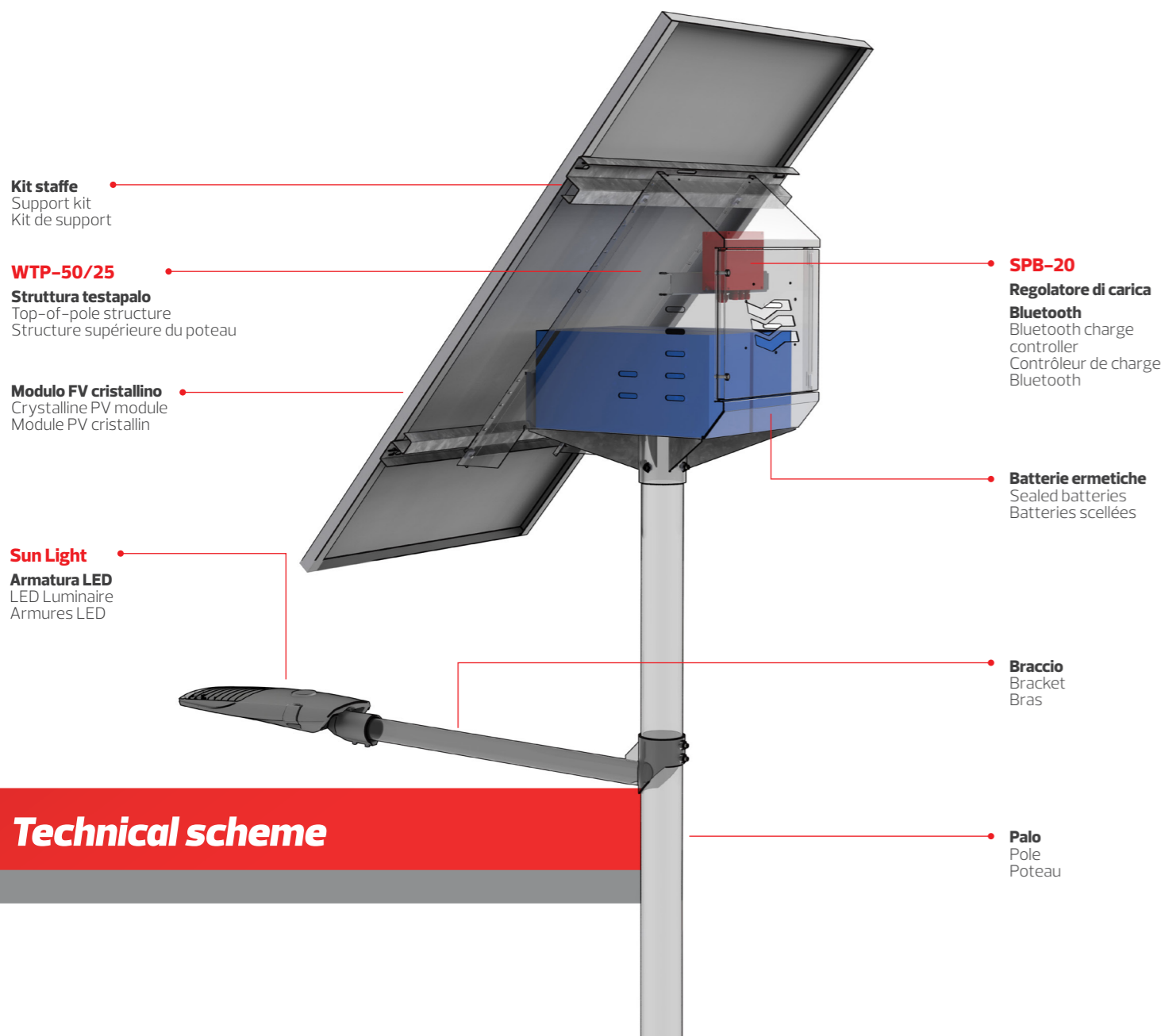
**Caratteristiche tecniche**

[eng] Technical characteristics

[fra] Caractéristiques techniques

<b>Pv module</b>	300W / 150W monocrystalline. Two versions available with tilt angle 50° or 25° for optimum installation at different latitudes.
<b>Battery</b>	<b>Pb Gel</b> deep cycles >1500 (60% DOD) 12V-150Ah / 12V-200Ah / 12V-300Ah / 24V-100Ah / 24V-150Ah
<b>Charge controller *</b>	SPB-20 <b>Bluetooth</b> connection by smartphone or PC. MPPT high efficiency (> 95%)
<b>Street lamp</b>	<b>Sun Light</b> Western CO. Available models: 24W 3418lm / 30W 4209lm / 36W 5044lm / 42W 5697lm / 60W 8422lm / 72W 10088lm / 84W 11394lm
<b>Color temperature – CRI</b>	4000°K – CRI>70
<b>Optic</b>	Asymmetric for street and wide area lighting, suitable for <b>ME</b> class as <b>UNI 11248</b> and <b>UNI 13201-2</b> . PMMA material protected by flat glass.
<b>Light control</b>	Self-management flux reduction to maximize lamp operation during cloudy days.
<b>Mechanical parts</b>	Top of pole battery box steel made hot deep galvanized. Wind load resistance in accordance to <b>Eurocode 0-1-3</b> and production compliant to <b>EN1090-2</b> . Pole: 7mt high above the ground, steel made and <b>hot deep galvanized</b> .

\*on demand may be supplied **SPB-LS/GSM** charge controller with **2G** modem with data monitoring through Western CO. web application (**WCloud**).

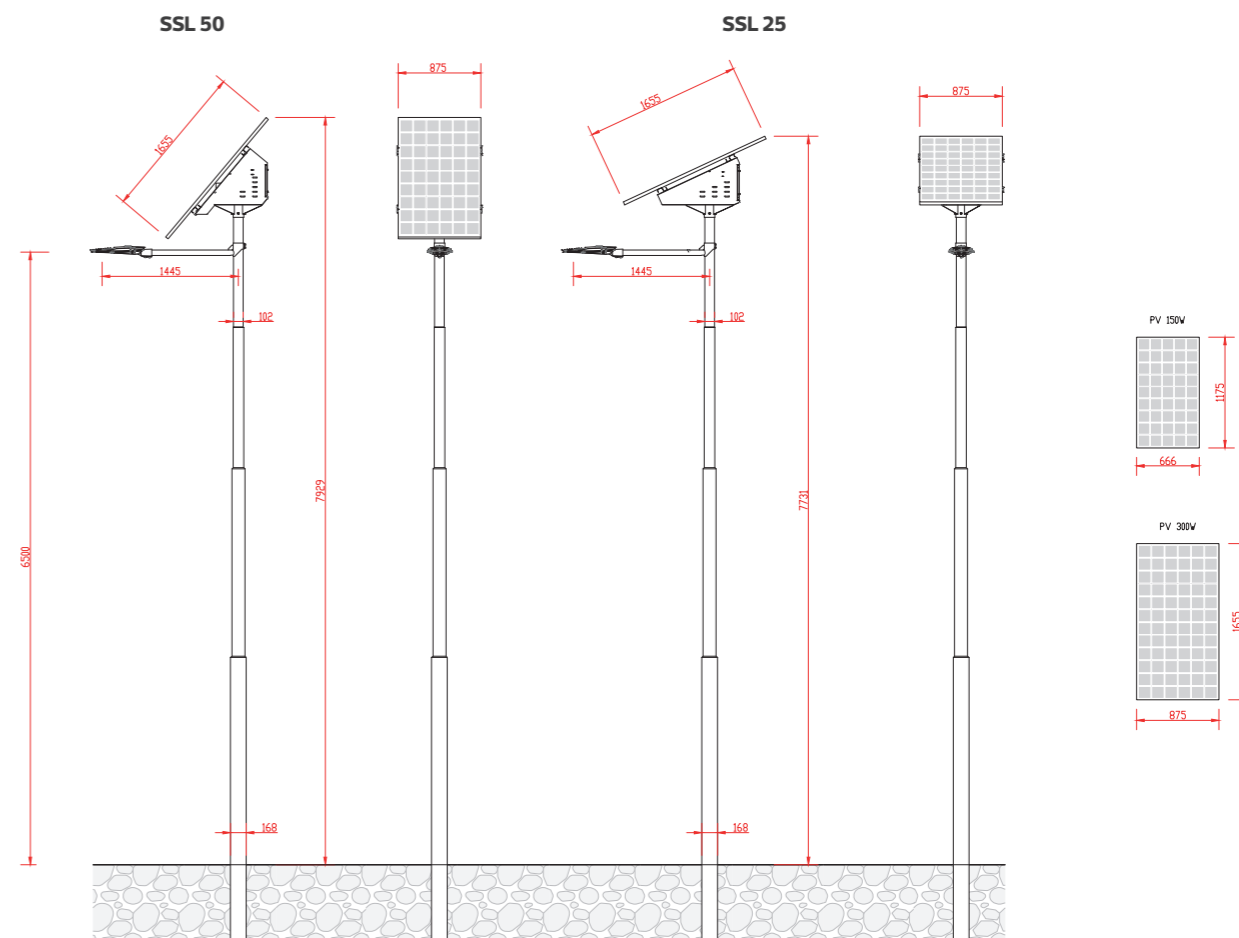


**Technical scheme**

**Dimensioni del prodotto**

[eng] Product dimensions

[fra] Dimensions du produit



**Realizzazioni**

[eng] Realizations

[fra] Réalisations

