



PV
LIGHTING
SOLUTIONS

Western CO.

Filosofia

Guardare al futuro è un dovere per tutte le aziende che vogliono stare al passo con il mercato. Proiettata verso dinamiche di sviluppo internazionali la nostra azienda trae quotidianamente ispirazione da forti valori come innovazione, integrità, eccellenza nel servizio e rispetto dell'ambiente per raggiungere elevati livelli di qualità e affidabilità. I know-how acquisiti dal nostro team rendono oggi la Western CO. un'azienda di riferimento nel settore dell'energia fotovoltaica, off-grid. I nostri sistemi soddisfano le esigenze delle persone senza ricorrere ad incentivi o ad aiuti esterni.

Oggi possiamo finalmente affermare che sui sistemi di illuminazione a LED da fotovoltaico come pure sui sistemi di produzione e accumulo di energia, questo risultato è stato pienamente raggiunto. Continueremo sulla strada dello sviluppo sostenibile per migliorare la qualità della vita di tutti negli anni a venire.

[eng]

Philosophy

Looking to the future is a duty for all companies that want to keep up with the market. Projected towards international development dynamics, our company draws daily inspiration from strong values such as innovation, integrity, excellence in service and respect for the environment to achieve high levels of quality and reliability. The know-how acquired by our team makes Western CO. today a reference company in the off-grid photovoltaic energy sector. Our systems meet people's needs without the use of incentives or external help. Today we can finally say that on the photovoltaic LED lighting systems as well as on the energy production and storage systems this result has been fully achieved. We will continue on the path of sustainable development to improve everyone's quality of life for years to come.

[fra]

Philosophie

Regarder vers l'avenir est un devoir pour toutes les entreprises qui souhaitent suivre le marché. Projetée vers une dynamique de développement international, notre entreprise s'inspire quotidiennement à de valeurs fortes telles que l'innovation, l'intégrité, l'excellence du service et le respect de l'environnement pour atteindre des niveaux élevés de qualité et de fiabilité. Le savoir-faire acquis par notre équipe fait de Western CO. aujourd'hui une entreprise de référence dans le secteur de l'énergie photovoltaïque hors réseau. Nos systèmes répondent aux besoins de la population sans recourir à des incitations ou à une aide extérieure. Aujourd'hui, nous pouvons enfin dire que sur les systèmes d'éclairage à LED photovoltaïques ainsi que sur les systèmes de production et de stockage d'énergie, ce résultat a été pleinement atteint. Nous continuerons sur la voie du développement durable pour améliorer la qualité de vie de chacun pour les années à venir.

R&D

Ricerca e Sviluppo
Research and Development
Recherche et Développement

IDEA

Progettazione e Tecnologia
Design and Technology
Conception et Technologie

SALES

Miglior esperienza
Best experience
La meilleure expérience

MANUFACTURING

Migliori prestazioni
Best performing
Meilleure performance





RENEWABLE ENERGY

Per il nostro pianeta
For our planet
Pour notre planète

OFF-GRID SYSTEM PV LIGHTING

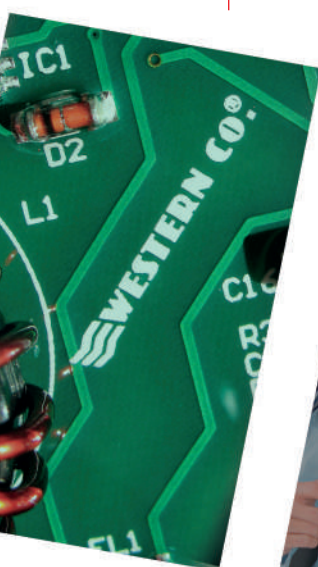
Leader mondiali
World leader
Les leaders mondiaux

CUSTOMER SERVICE

Comunicazione chiara
Clear Communication
Une communication claire

100%

Prodotto in Italia
Made in Italy
Produit en Italie



PV lighting solutions

Vantaggi dei lampioni fotovoltaici

I lampioni fotovoltaici consentono di illuminare strade e aree distanti dalla rete elettrica, luoghi poco accessibili, quali zone montane e rurali, oppure parchi e giardini dove non è stata prevista l'elettificazione. Se configurati correttamente, riescono a garantire la totale illuminazione notturna con un'autonomia in condizioni di assenza di sole pari a 3 giorni, così da raggiungere le medesime prestazioni dei lampioni collegati alla rete pubblica.

[eng]

Advantages of photovoltaic streetlamps

Photovoltaic streetlamps allow to light up roads and areas far from the electricity grid, places that are not easily accessible, such as mountain and rural areas, or parks and gardens where electrification has not been foreseen. If configured correctly, they are able to guarantee total night lighting with an autonomy of 3 days in the absence of sunshine, so as to achieve the same performance as the streetlamps connected to the public network.

[fra]

Avantages des lampadaires photovoltaïques

Les lampadaires photovoltaïques vous permettent d'éclairer les routes et les zones éloignées du réseau électrique, les endroits difficiles d'accès, tels que les montagnes et les zones rurales, ou les parcs et jardins où l'électrification n'a pas été prévue. S'ils sont configurés correctement, ils peuvent garantir un éclairage nocturne total avec une autonomie de 3 jours en absence de soleil, afin d'atteindre les mêmes performances que les lampadaires connectés au réseau public.



Benefici operativi



Low maintenance costs



Low environmental impact

[eng]

Operational benefits



Savings for the electrification of the affected area

[fra]

Avantages opérationnels



Possibility of lighting places that cannot be reached by the electricity grid

Lampade LED

La serie **Sun Light** è stata **progettata appositamente** per lampioni fotovoltaici e permette di ottenere la massima efficienza in termini di consumo e durata. Adatta ad installazioni esterne, garantisce il suo funzionamento anche in luoghi con elevata umidità e forte escursione termica (Um: 60%; T° -40 ÷ +57°C).

La lampada **Sun Light** è una **lampada professionale** con tecnologia a LED che consente di risparmiare fino al 90% di energia rispetto a una lampada tradizionale, producendo la stessa emissione luminosa.

La **Sun Light** è un **prodotto intelligente** che mantiene l'operatività in ogni condizione climatica. Grazie ad uno speciale regolatore di carica (SPB-LS), con riduzione di flusso automatica o settabile, riesce a garantire la certezza del servizio nonostante le giornate nuvolose. Disponibile in varie taglie (da 12W a 130W) e in due colori (grigio e nero) è il prodotto ideale per ottenere in qualsiasi luogo il massimo delle prestazioni, un esempio di alta qualità e tecnologia targata Western CO.

[eng] LED Lighting

The **Sun Light** series has been **specially designed** for photovoltaic streetlamps and allows to obtain maximum efficiency in terms of consumption and duration. Suitable for outdoor installations, it guarantees its operation even in places with high humidity and high temperature range (Hum: 60%; T° -40 ÷ +57°C).

The **Sun Light** luminaire is a **professional** one with LED technology that allows you to save up to 90% of energy compared to a traditional luminaire, producing the same light emission.

The **Sun Light** is an **intelligent product** that maintains operation in all weather conditions. Thanks to a special charge controller (SPB-LS), with automatic or settable flow reduction, it manages to guarantee the certainty of the service despite the cloudy days. Available in various sizes (from 12W to 130W) and in two colors (gray and black), it is the ideal product for obtaining maximum performance anywhere, an example of high quality and technology by Western CO.

[fra] Éclairage LED

La série **Sun Light** a été **spécialement conçue** pour les lampadaires photovoltaïques et permet d'obtenir une efficacité maximale en termes de consommation et de durée. Adapté aux installations extérieures, il garantit son fonctionnement même dans des endroits à forte humidité et plage de température élevée (Um: 60%; T° -40 ÷ +57°C).

La lampe **Sun Light** est une **lampe professionnelle** avec technologie LED qui vous permet d'économiser jusqu'à 90% d'énergie par rapport à une lampe traditionnelle, produisant la même émission lumineuse.

Le **Sun Light** est un **produit intelligent** qui maintient son fonctionnement dans toutes les conditions météorologiques. Grâce à un régulateur de charge spécial (SPB-LS), avec réduction de flux automatique ou réglable, il peut garantir la sécurité du service malgré les jours nuageux. Disponible en différentes tailles (de 12W à 130W) et en deux couleurs (gris et noir), c'est le produit idéal pour obtenir des performances maximales partout, un exemple de haute qualité et de technologie Western CO.



Benefici operativi



LED driver with ceramic capacitors



IP65 with moisture extractor



Efficiency range Lumen/Watt
120÷138



Automatic or preset (by Western CO. charge controller) flux reduction

[eng] Operational benefits



Tempered glass



Self-management algorithm



Operating temperature range:
-40°C +57°C



Class of insulation

[fra] Avantages opérationnels



Extruded aluminum body



Different optics in PMMA



Battery voltage 12 / 24V



Compliant to
EN 13201

Street lighting

PV solution for road applications

SSL-Li

PAG. 08



SSL

PAG. 14



Parks and gardens lighting

PV solution for urban applications

SPL

PAG. 20



GIOTTO

PAG. 28



**GIOTTO
ARM**

PAG. 32



Components



Sun Light

PAG. 36



Sunny One

PAG. 42



Charge controllers

PAG. 44

Other applications

PV solutions

**ENTRY
PV KIT**

PAG. 52



WLB

PAG. 54



Street lighting

PV solution for road applications





SSL-Li

SSL-Li



Descrizione prodotto

Lampione ad alimentazione fotovoltaica per illuminazione di strade o parcheggi con lampada a LED ad alta efficienza e batteria al litio (LiFePO₄) di nuova generazione grazie alla quale il lampione SSL-Li presenta un design compatto e gradevole, bassi costi di manutenzione, massima funzionalità, efficienza 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 for street or parking lighting with high efficiency LED luminaire and new generation lithium battery (LiFePO₄) thanks to which the SSL-Li streetlamp has a compact and pleasant design, low maintenance costs, maximum functionality, efficiency and reliability.

Available in different sizes of: luminaire power, battery and PV module to adapt to installations all over the world.

[fra]

Description du produit

Lampadaire photovoltaïque pour l'éclairage des rues ou des parkings avec lampe à LED à haute efficacité et batterie au lithium de nouvelle génération (LiFePO₄) grâce à laquelle le lampadaire SSL-Li a un design compact et agréable, de faibles coûts d'entretien, une fonctionnalité maximale, efficacité et fiabilité.

Disponibile en différentes tailles de: puissance de la lampe, batterie et module PV pour s'adapter aux installations du monde entier.



PV tilt 50°

SSL-Li 50



PV tilt 25°

SSL-Li 25

Caratteristiche prodotto

LiFePO₄ 12 VDC battery,
longlife and high performance



High efficiency LED lamps

[eng]

Product features

MPPT technology charge
controller



Flux reduction self management
to prevent low battery level

[fra]

Caractéristiques du produit

Bluetooth
control & monitoring



Compact design
all-in-one power box

Lampade disponibili

[eng] Available lamps

[fra] Lampes disponibles



Sun Light Silver XS 24-42
LED lamp



Sun Light Silver S 60-84
LED lamp

Pag. 36

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

Batterie disponibili

[eng] Available batteries

[fra] Batteries disponibles



60Ah - LiFePO₄
Battery capacity



100Ah - LiFePO₄
Battery capacity

Monitoraggio e Controllo

Il lampione SSL-Li 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-20-4G con modem 4G per controllo e monitoraggio a distanza.

[eng]

Monitoring and control

The SSL-Li 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-20-4G controller with 4G modem for remote control and monitoring.

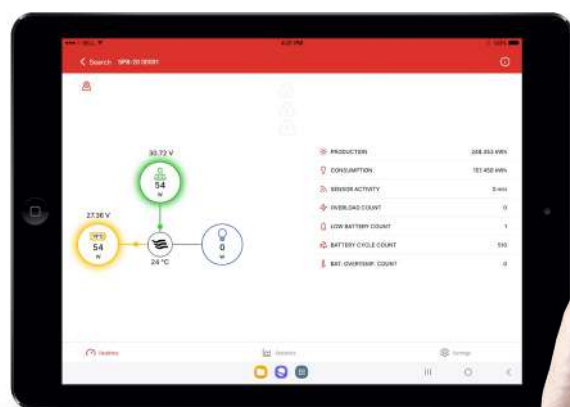
[fra]

Surveillance et contrôle

Le lampadaire SSL-Li 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.

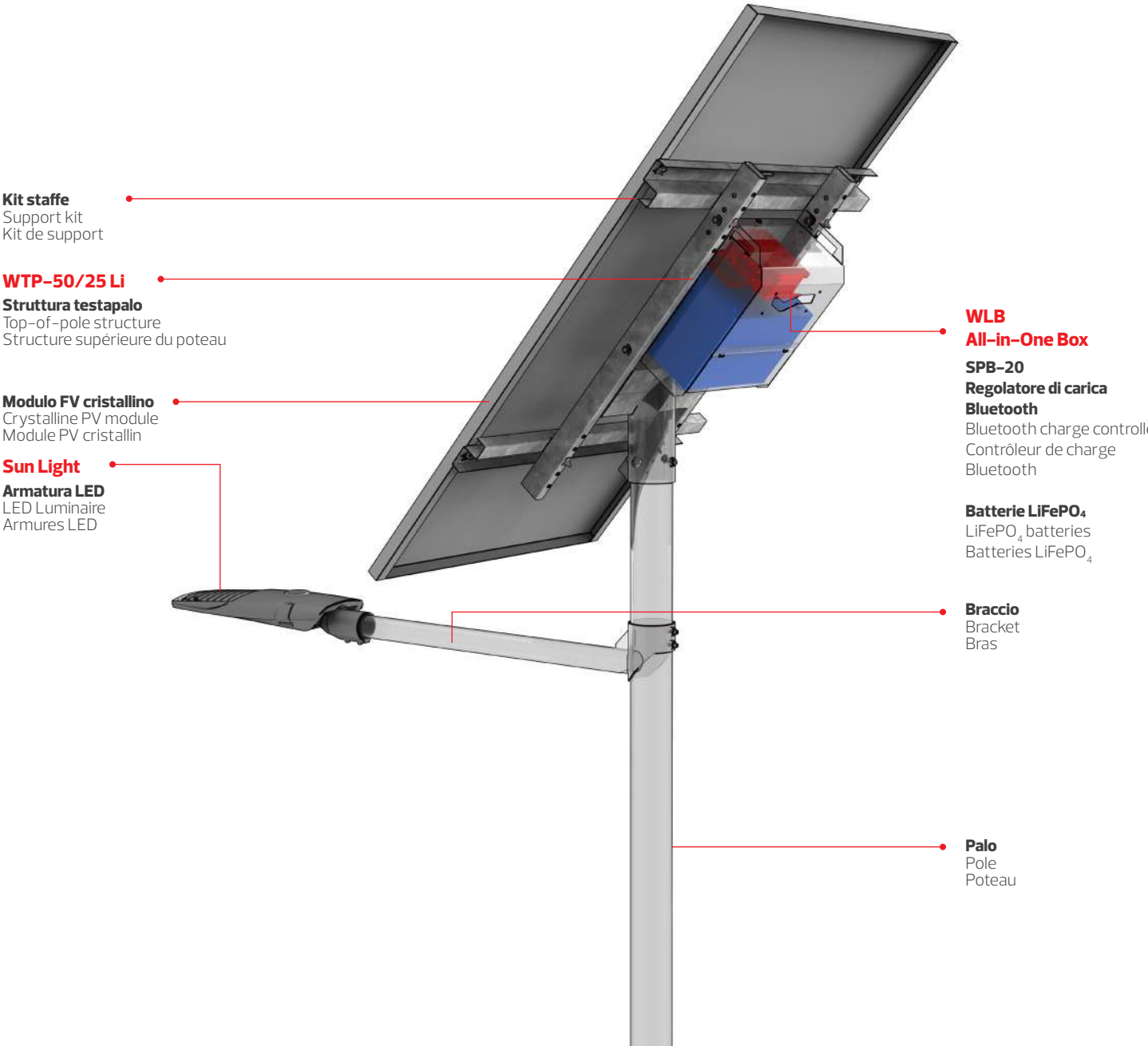
Ce système facilite l'installation et le contrôle du lampadaire, assurant une maintenance efficace et efficiente. Sur demande, le lampadaire peut être fourni avec le contrôleur SPB-20-4G avec modem 4G pour le contrôle et la surveillance à distance.



**Bluetooth control
included as standard**

Pv module	300W / 150W monocrystalline Two versions available with tilt angle 50° or 25° for optimum installation at different latitudes.
Battery	LiFePO ₄ >3500Cycles (80%DOD) 12V 60Ah / 12V 100Ah
Charge controller *	SPB-20 Bluetooth connection by smartphone or PC. MPPT high efficiency (> 95%)
Street lamp	Sun Light Western CO. Available models: 24W 3502lm / 30W 4274lm / 36W 5075lm / 42W 5704lm / 60W 8422lm / 72W 10241lm / 84W 11666lm
Color temperature – CRI	4000°K – CRI>70
Optic	Asymmetric for street and wide area lighting, suitable for ME class as UNI 11248 and UNI 13201-2. PMMA material protected by flat glass.
Light control	Self-management flux reduction to maximize lamp operation during cloudy days.
Mechanical parts	Top of pole battery box steel made hot deep galvanized. Wind load resistance in accordance to Eurocode 0-1-3 and production compliant to EN1090-2. Pole: 7mt high above the ground, steel made and hot deep galvanized.

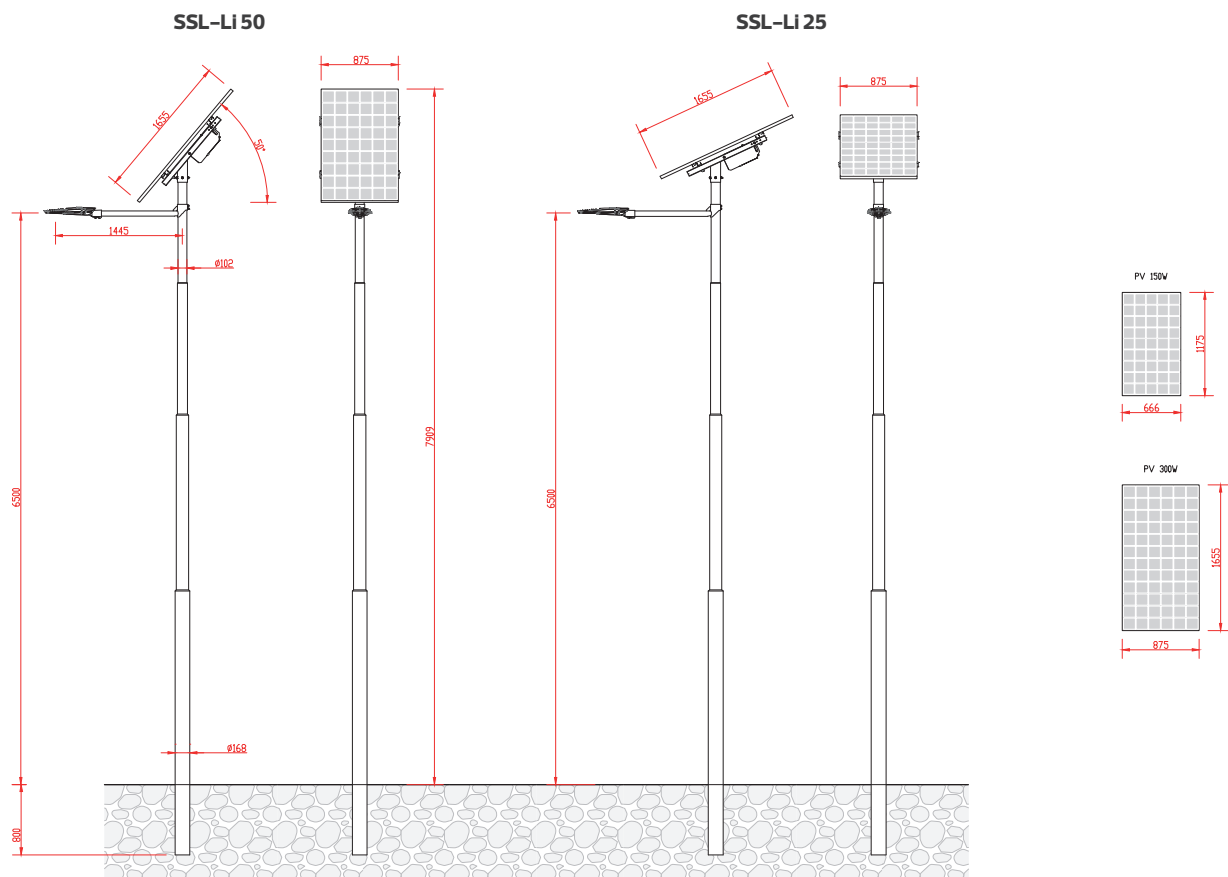
*on demand may be supplied SPB-20-4G charge controller with 4G modem with data monitoring through Western CO. web portal mySUNLIGHT



Dimensioni del prodotto

[eng]
Product dimensions

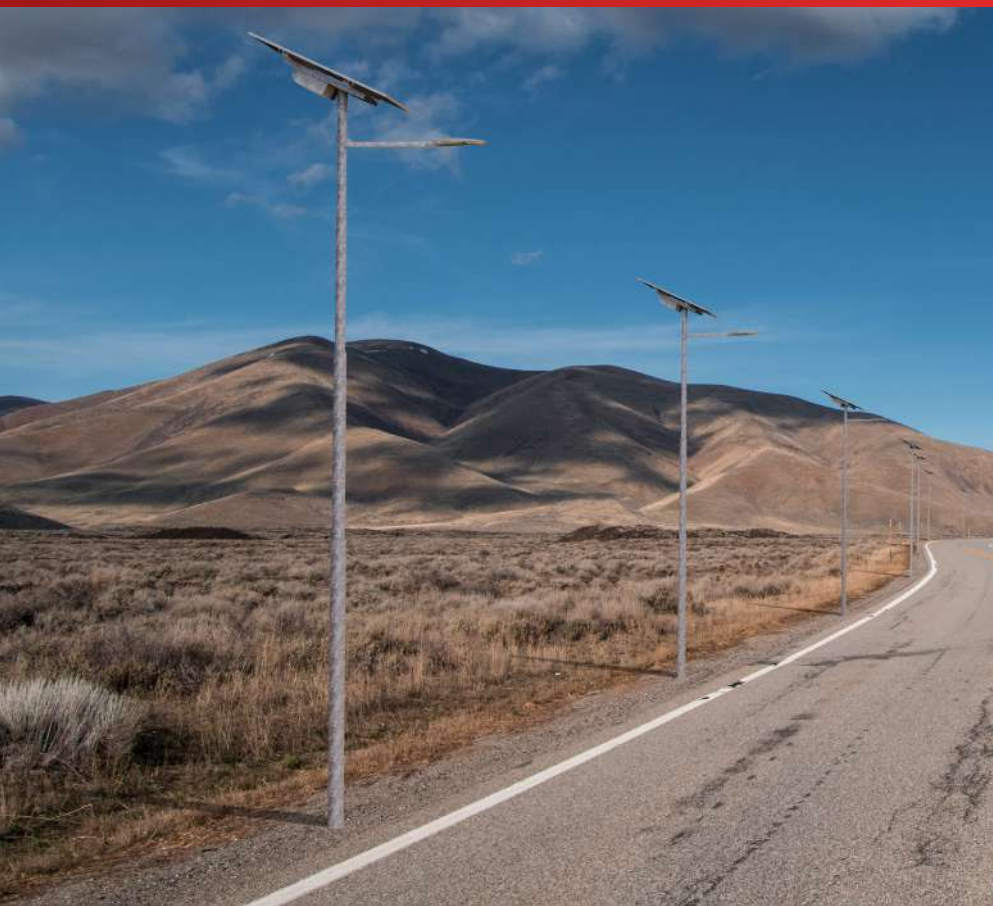
[fra]
Dimensions du produit



Realizzazioni

[eng]
Realizations

[fra]
Réalisations



Street lighting

PV solution for road applications





SSL

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 fonctionnalité et une fiabilité maximales 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

Pag. 36

(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-20-4G con modem 4G 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-20-4G controller with 4G modem for remote control and monitoring.

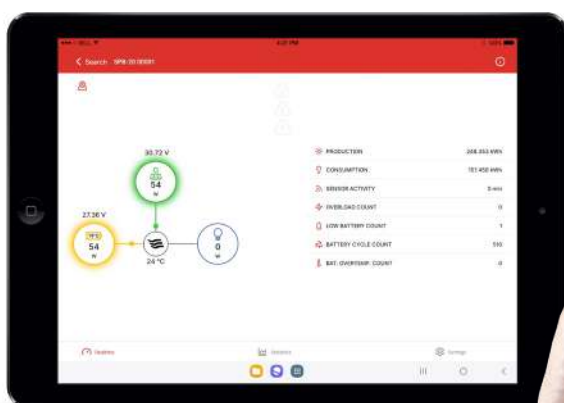
[fra]

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 SPB-20-4G avec modem 4G pour le contrôle et la surveillance à distance.



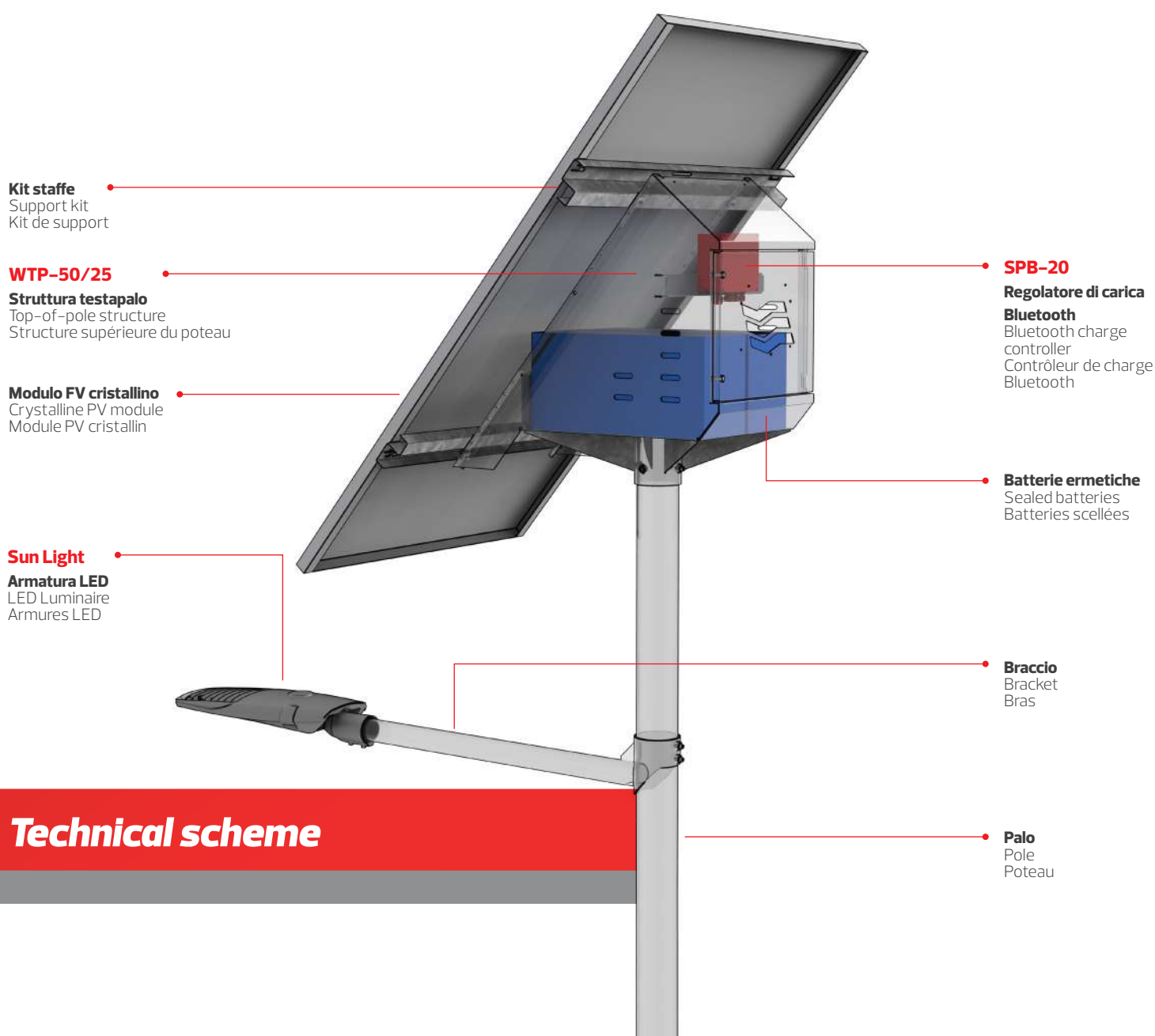
**Bluetooth control
included as standard**

Caratteristiche tecniche

[eng]
Technical characteristics[fra]
Caractéristiques techniques

Pv module	300W / 150W monocrystalline. Two versions available with tilt angle 50° or 25° for optimum installation at different latitudes.
Battery	Pb Gel deep cycles >1500 (60% DOD) 12V-150Ah / 12V-200Ah / 12V-300Ah / 24V-100Ah / 24V-150Ah
Charge controller *	SPB-20 Bluetooth connection by smartphone or PC. MPPT high efficiency (> 95%)
Street lamp	Sun Light Western CO. Available models: 24W 3502lm / 30W 4274lm / 36W 5075 lm / 42W 5704lm / 60W 8422lm / 72W 10241lm / 84W 11666lm
Color temperature – CRI	4000°K – CRI>70
Optic	Asymmetric for street and wide area lighting, suitable for ME class as UNI 11248 and UNI 13201-2 . PMMA material protected by flat glass.
Light control	Self-management flux reduction to maximize lamp operation during cloudy days.
Mechanical parts	Top of pole battery box steel made hot deep galvanized. Wind load resistance in accordance to Eurocode 0-1-3 and production compliant to EN1090-2 . Pole: 7mt high above the ground, steel made and hot deep galvanized .

*on demand may be supplied **SPB-20-4G** charge controller with **4G** modem with data monitoring through Western CO. web portal **mySUNLIGHT**

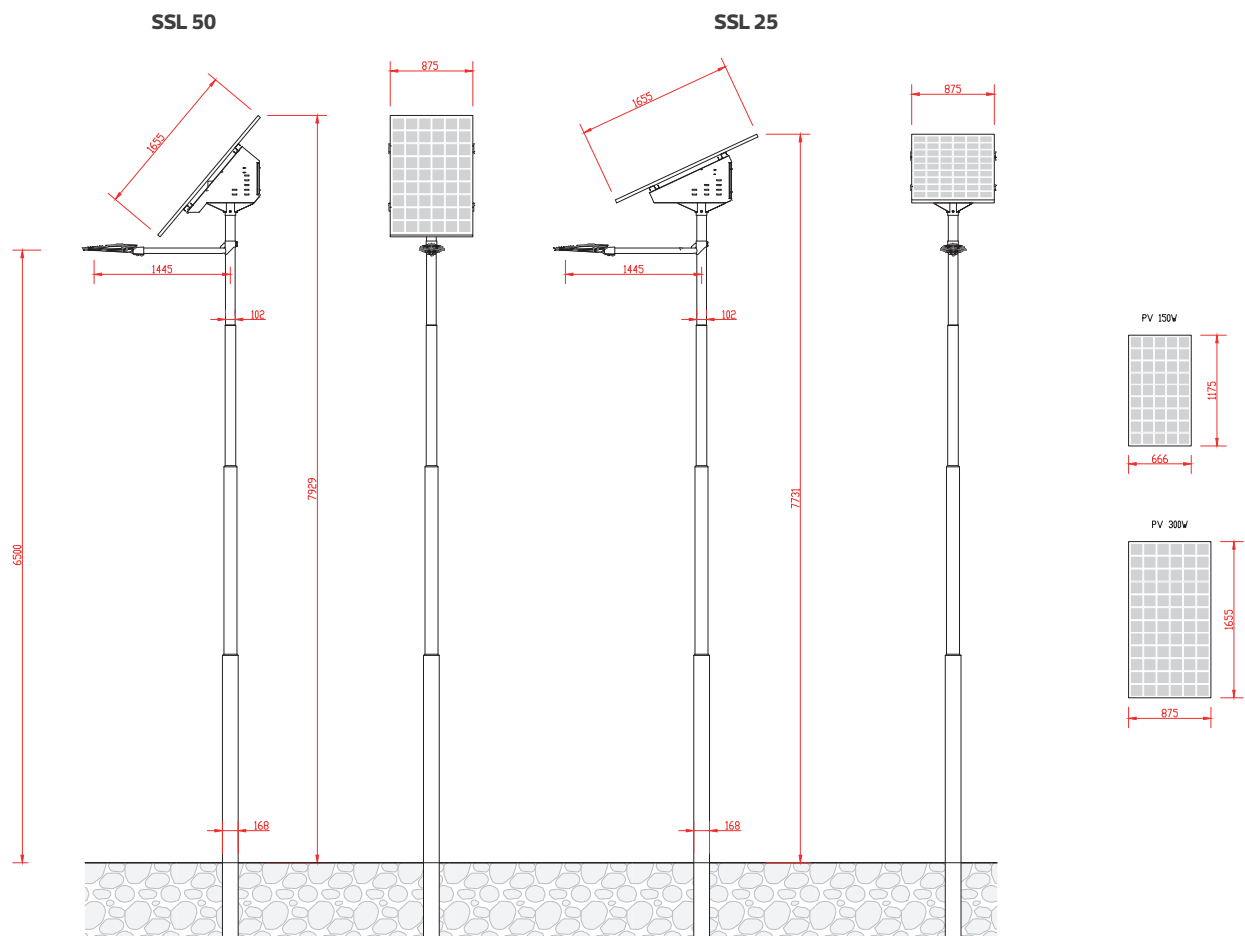


Technical scheme

Dimensioni del prodotto

[eng]
Product dimensions

[fra]
Dimensions du produit



Realizzazioni

[eng]
Realizations

[fra]
Réalisations



Parks and gardens lighting

PV solution for urban applications





—
SPL

SPL



Descrizione prodotto

Lampione ad alimentazione fotovoltaica per illuminazione di giardini, parchi, marciapiedi e piste ciclabili. Dal design compatto e struttura in acciaio verniciato grigio micaceo è disponibile con batteria al litio (LiFePO_4) di ultima generazione o batteria al Piombo Gel ad alto numero di cicli (>1500 cicli DOD 50%).

[eng]

Product description

Photovoltaic powered streetlamp for lighting gardens, parks, sidewalks and cycle paths. With a compact design and structure in micaceous gray painted steel, it is available with the latest generation lithium battery (LiFePO_4) or lead gel battery with a high number of cycles (> 1500 DOD 50%).

[fra]

Product description

Lampadaire photovoltaïque pour l'éclairage de jardins, parcs, trottoirs et pistes cyclables. Avec une conception et une structure compactes en acier peint gris micacé, il est disponible avec une batterie au lithium de dernière génération (LiFePO_4) ou une batterie au plomb gel à cycle élevé (> 1500 DOD 50% cycles).



SPL-12W | SPL-18W | SPL-12W-Li-30Ah | SPL-18W-Li-30Ah | SPL-18W-Li-60Ah

Caratteristiche prodotto

Long life (>1500 cycles 50% DOD) deep cycles Pb Gel battery or LiFePO₄ battery long life and high performance



High efficiency LED lamps

[eng]

Product features

High reliability PWM technology charge controller



Flux reduction self management to prevent low battery level

[fra]

Caractéristiques du produit

Easy to install and maintenance



Installation on gardens, parks, sidewalks, bicycle lanes and parking area

Lampade disponibili

[eng] Available lamps

[fra] Lampes disponibles



Sun Light XS 12-18 DARK GREY
LED lamp

Pag. 36

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

Batterie disponibili

[eng] Available batteries

[fra] Batteries disponibles



60Ah – Pb Gel
SPL12-W
SPL18-W



30Ah – LiFePO₄
SPL-12W-Li-30Ah
SPL-18W-Li-30Ah



60Ah – LiFePO₄
SPL-18W-Li-60Ah

Controllo

Regolatore PWM specifico per illuminazione a LED 10A – IP56. Impostabile sia per batterie a Piombo che per batterie LiFePO₄.

[eng]

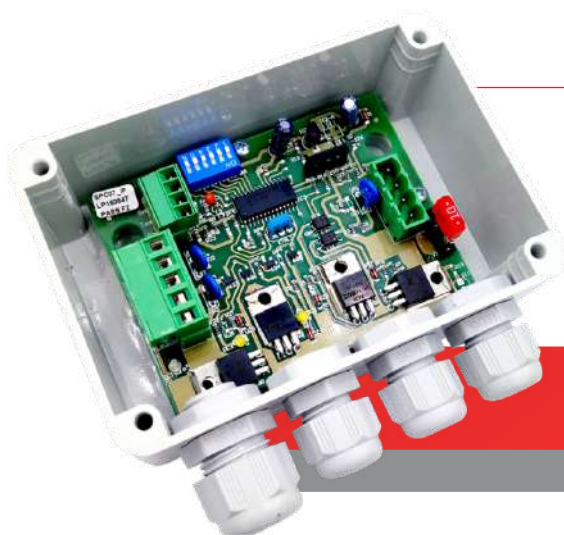
Control

Specific PWM controller for LED lighting 10A – IP56. Can be set for both lead-acid and LiFePO₄ batteries.

[fra]

Contrôle

Régulateur PWM spécifique pour éclairage LED 10A – IP56. Réglable pour les batteries au plomb et LiFePO₄.

**SPC07-IP2**

Can be set for both lead-acid and LiFePO₄ batteries.

Caratteristiche tecniche

[eng] Technical characteristics

[fra] Caractéristiques techniques

Pv module	100W monocrystalline. Adjustable tilt angle 60° or 30° for optimum installation at different latitudes.
Battery	1x12V 56Ah Pb Gel deep cycles >1500 (60% DOD) for SPL12-W and SPL18-W models. 1x30Ah LiFePO₄ >3500 cycles (80%DOD) for SPL-12W-Li-30Ah and SPL-18W-Li-30Ah models. 11x60Ah LiFePO₄ >3500 cycles (80%DOD) for SPL-18W-Li60Ah model.
Charge controller	SPC07-IP2
Street lamp	Sun Light Western CO. Available models: 12W 1850lm / 18W 2740lm
Color temperature – CRI	4000°K – CRI>70
Optic	Asymmetric, suitable for gardens, parks, walkways, bicycle lanes, and parking areas. PMMA material protected by flat glass.
Mechanical parts	Top of pole battery box steel made treated with cataphoresis process and dark gray painted. Wind load resistance in accordance to Eurocode 0-1-3 and production compliant to EN1090-2 . Pole: 7mt high above the ground, steel made, hot deep galvanized and dark gray painted.

Struttura testapalo
Top-of-pole structure
Structure supérieure du poteau

Kit staffe
Support kit
Kit de support

Modulo FV cristallino
Crystalline PV module
Module PV cristallin

SPC07-IP2
Regolatore di carica
Charge Controller
Contrôleur de charge

Batterie ermetiche
Sealed batteries
Batteries scellées

Braccio
Bracket
Bras

Sun Light
Armatura LED
LED Luminaire
Armures LED

Palo
Pole
Poteau

Technical scheme

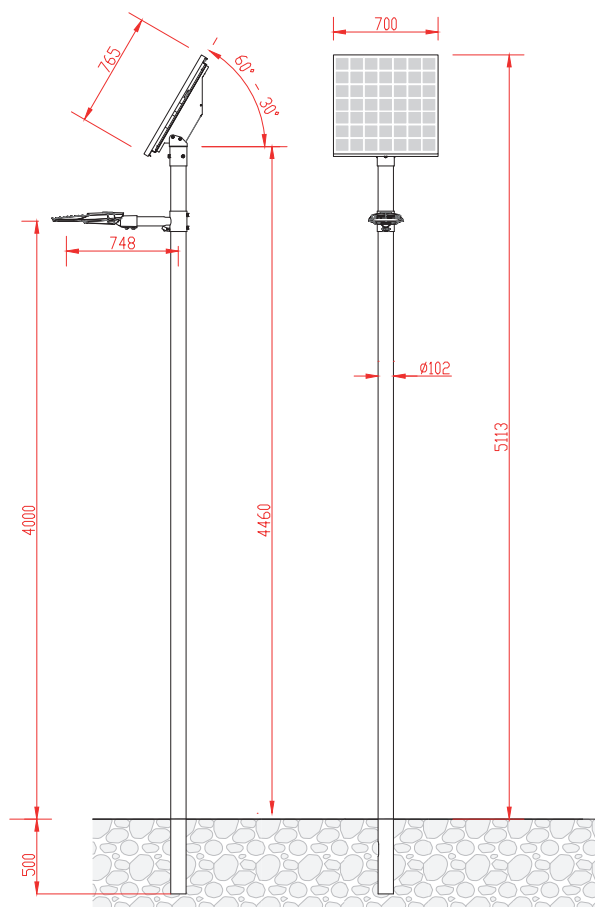


Dimensioni del prodotto

[eng]
Product dimensions

[fra]
Dimensions du produit

100W PV



Realizzazioni

[eng]
Realizations

[fra]
Réalisations



Parks and gardens lighting

PV solution for urban applications





GIOTTO

GIOTTO



Descrizione prodotto

Il lampione solare Giotto ha un approccio illuminotecnico all-in-one completamente diverso e innovativo grazie al modulo FV verticale e la batteria LiFePO₄ integrati al palo. Giotto si presenta quindi come un oggetto di design ideale per parchi, giardini, zone ciclopedonali, zone di pregio e arredo urbano. Ha una lampada LED circolare con ottica simmetrica e un altoparlante stereo Bluetooth a disposizione degli utenti. È dotato di un sensore IR che, rilevando la presenza di persone in prossimità del lampione, aumenta la luminosità della lampada in modo da migliorare il comfort visivo mantenendo contenuti i consumi energetici.

[eng]

Product description

Giotto solar street lamp has a completely different and innovative all-in-one lighting approach thanks to the vertical PV module and the LiFePO₄ battery integrated into the pole. Giotto therefore presents itself as an ideal design object for parks, gardens, cycle and pedestrian areas, prestigious areas and urban applications. It has a circular LED lamp with symmetrical optics and a Bluetooth stereo speaker available to users. It is equipped with an IR sensor which, by detecting the presence of people near the street lamp, increases the flux of the lamp in order to improve visual comfort while keeping energy consumption low.

[fra]

Product description

Le lampadaire solaire Giotto a une approche d'éclairage "all-in-one" complètement différente et innovatif grâce au module photovoltaïque vertical et à la batterie LiFePO₄ intégrée au mât. Giotto se présente donc comme un objet de design idéal pour les parcs, les jardins, les zones cyclables et piétonnes, les espaces prestigieux et les applications urbaines. Il dispose d'une lampe LED circulaire à optique symétrique et d'un haut-parleur stéréo Bluetooth à la disposition des utilisateurs. Il est équipé d'un capteur IR qui, en détectant la présence de personnes à proximité du lampadaire, augmente la luminosité de la lampe afin d'améliorer le confort visuel tout en maintenant une faible consommation d'énergie.



GIOTTO

Caratteristiche prodotto



LiFePO₄ battery long life and high performance



Flux reduction self management to prevent low battery level

[eng] Product features



Bluetooth speakers



High efficiency LED lamps

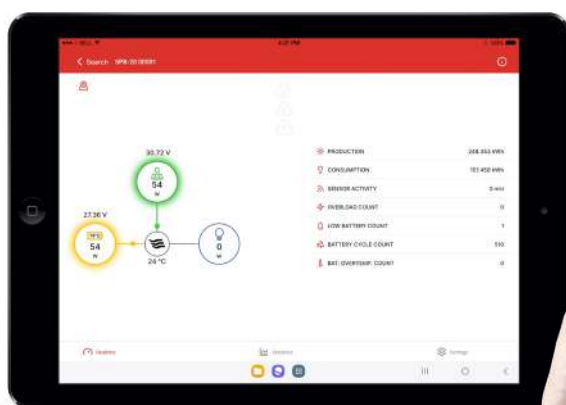
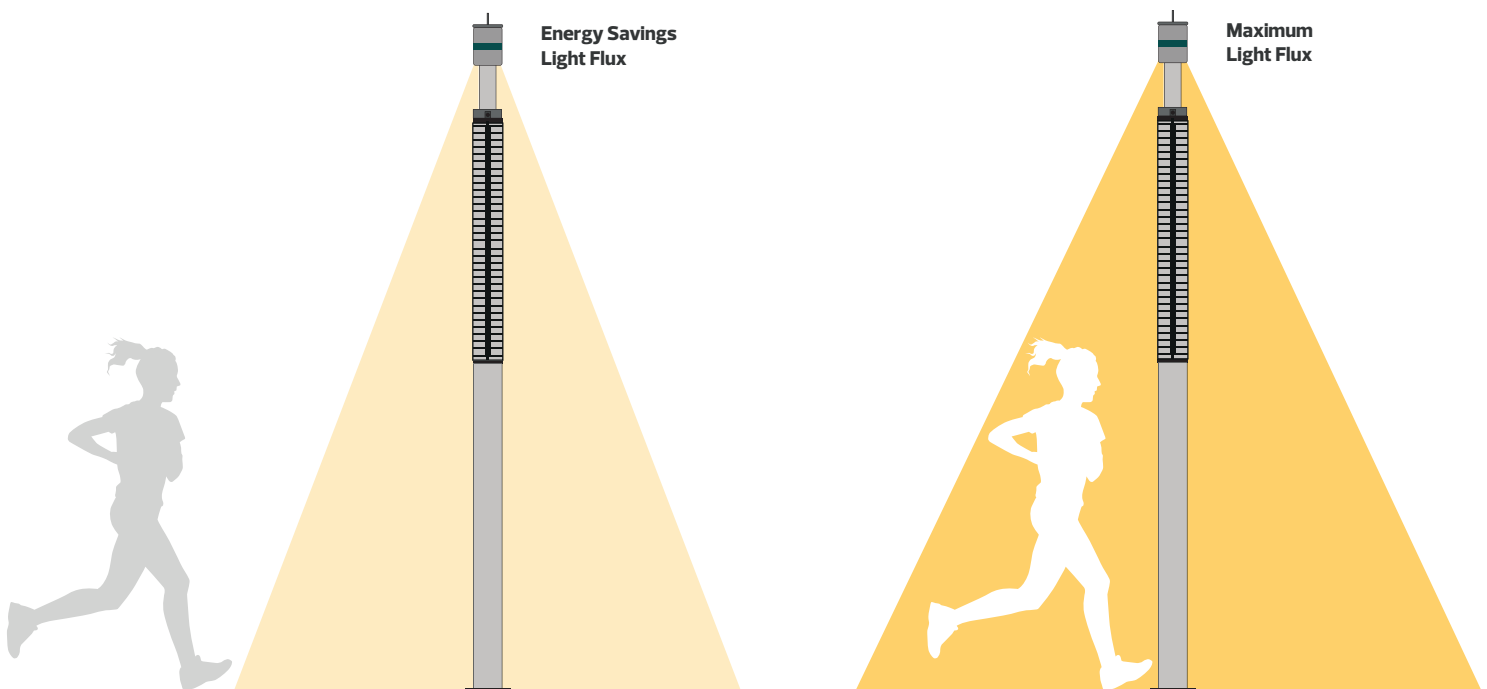
[fra] Caractéristiques du produit



Installation in gardens, parks, sidewalks, bicycle lanes and parking areas



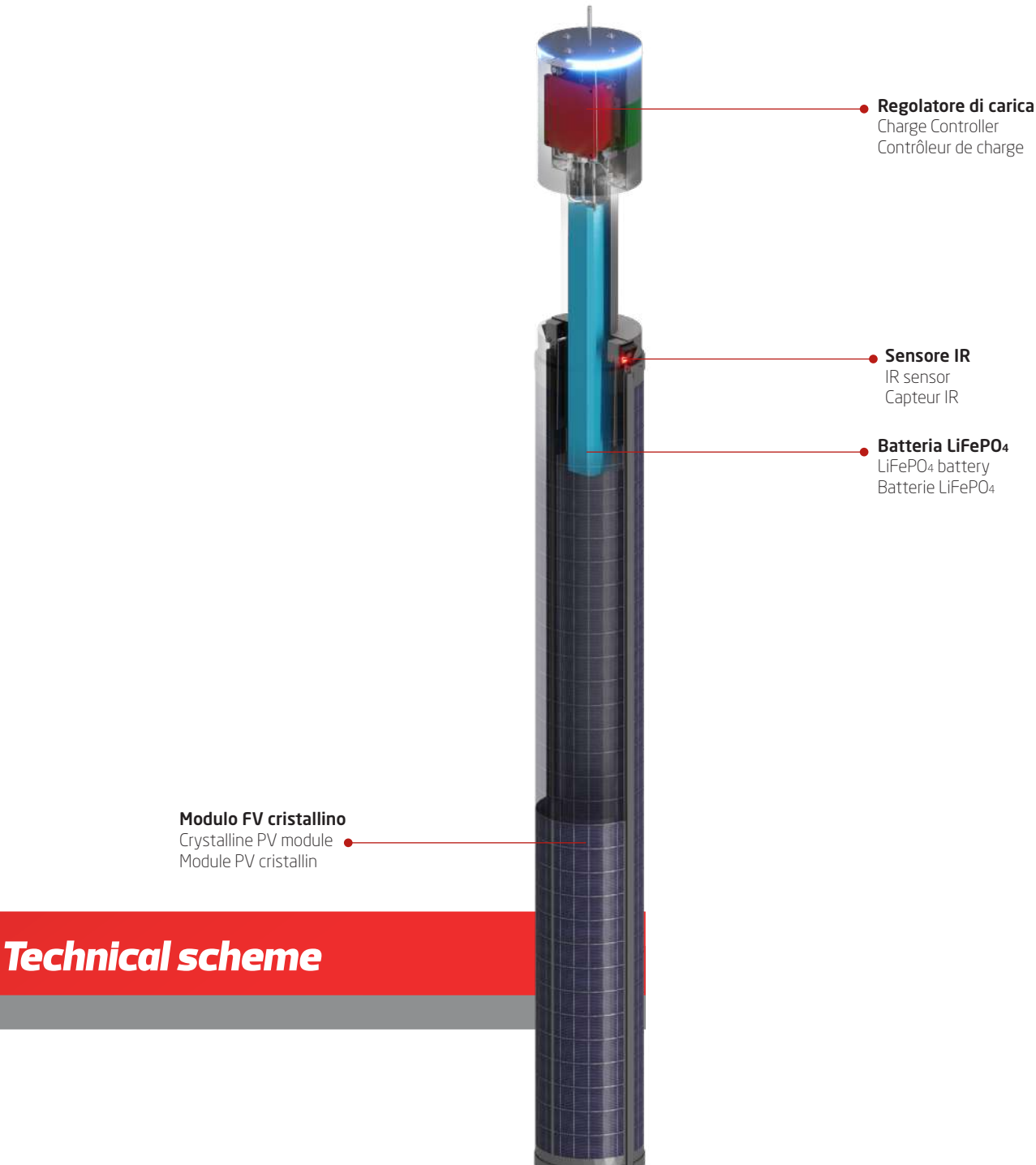
Easy to install and maintenance



**Bluetooth control
included as standard**



Pv module	240W monocrystalline cylindrical shape	
Battery	LiFePO ₄ >3500Cycles (80%DOD) installed inside the pole 12,8V 42Ah	
Charge controller*	SPB-20	Bluetooth connection by smartphone or PC.
	MPPT high efficiency (> 95%)	
Street lamp	Integrated lamp power 30W 4274lm	
Color temperature – CRI	4000°K – CRI>70	
Optic	Symmetric for wide area lighting – gardens and parks PMMA material	
Light control	Self-management flux reduction to maximize lamp operation during cloudy days.	
Mechanical parts	Pole: 5mt high above the ground, steel made and hot deep galvanized and painted RAL 7043 Wind load resistance in accordance to Eurocode 0-1-3 and production compliant to EN1090-2	

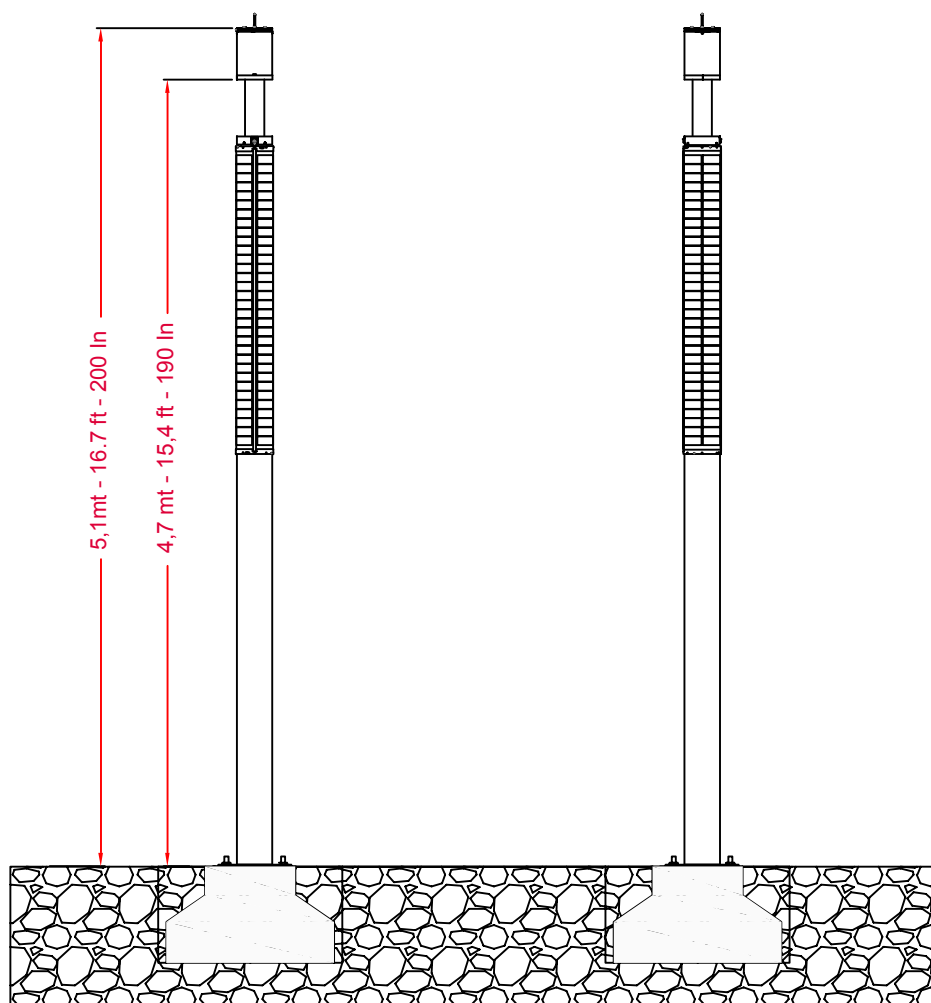


Technical scheme

Dimensioni del prodotto

[eng]
Product dimensions

[fra]
Dimensions du produit



Realizzazioni

[eng]
Realizations

[fra]
Réalisations



GIOTTO ARM



Descrizione prodotto

Il lampione solare Giotto Arm ha un approccio illuminotecnico all-in-one completamente diverso e innovativo grazie al modulo FV verticale e la batteria LiFePO₄ integrati al palo.

Giotto Arm si presenta quindi come un oggetto di design ideale per parchi, giardini, zone ciclopeditoni, zone di pregio e arredo urbano.

È dotato di un sensore IR che, rilevando la presenza di persone in prossimità del lampione, aumenta la luminosità della lampada in modo da migliorare il comfort visivo mantenendo contenuti i consumi energetici.

[eng]

Product description

Giotto Arm solar street lamp has a completely different and innovative all-in-one lighting approach thanks to the vertical PV module and the LiFePO₄ battery integrated into the pole. Giotto Arm therefore presents itself as an ideal design object for parks, gardens, cycle and pedestrian areas, prestigious areas and urban applications.

It is equipped with an IR sensor which, by detecting the presence of people near the street lamp, increases the flux of the lamp in order to improve visual comfort while keeping energy consumption low.

[fra]

Product description

Le lampadaire solaire Giotto Arm a une approche d'éclairage "all-in-one" complètement différente et innovatif grâce au module photovoltaïque vertical et à la batterie LiFePO₄ intégrée au mât. Giotto se présente donc comme un objet de design idéal pour les parcs, les jardins, les zones cyclables et piétonnes, les espaces prestigieux et les applications urbaines.

Il est équipé d'un capteur IR qui, en détectant la présence de personnes à proximité du lampadaire, augmente la luminosité de la lampe afin d'améliorer le confort visuel tout en maintenant une faible consommation d'énergie.



GIOTTO ARM

Caratteristiche prodotto



LiFePO₄ battery long life and high performance



Flux reduction self management to prevent low battery level

[eng] Product features



Bluetooth speakers



High efficiency LED lamps

[fra] Caractéristiques du produit



Installation in gardens, parks, sidewalks, bicycle lanes and parking areas

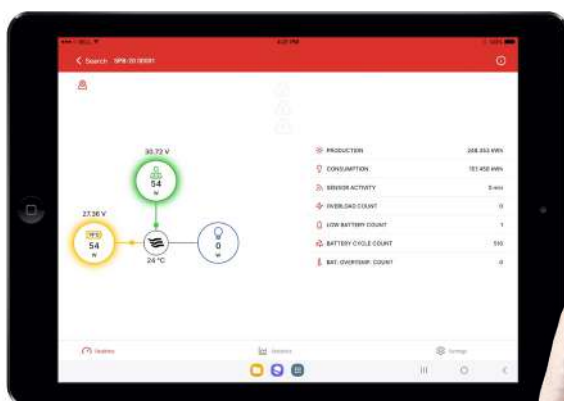


Easy to install and maintenance

Energy Savings
Light Flux

Maximum
Light Flux

**Bluetooth control
included as standard**



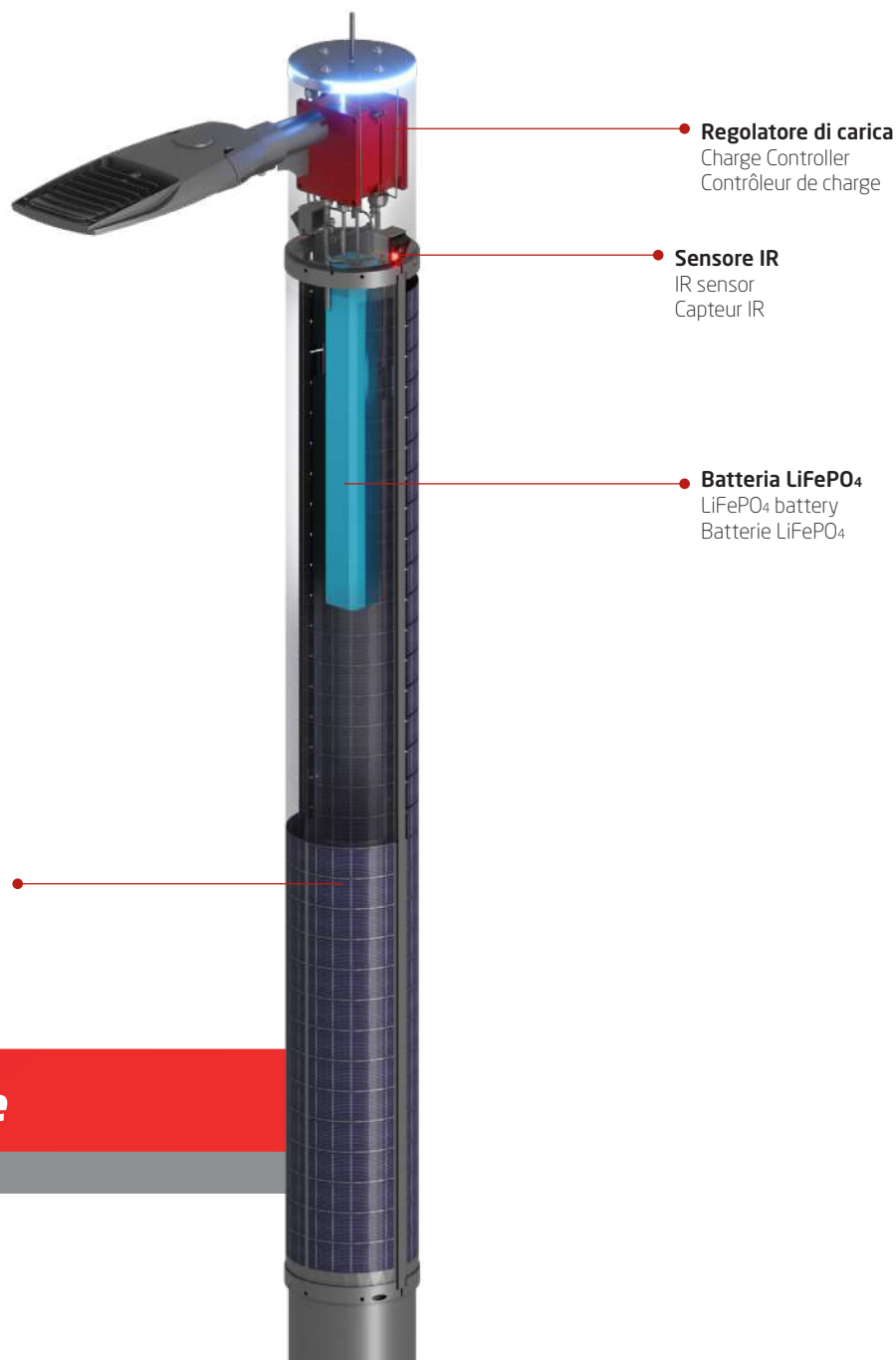
Caratteristiche tecniche

[eng] Technical characteristics

[fra] Caractéristiques techniques

Pv module	Giotto Arm with a height of 4.5mt: 240W monocrystalline cylindrical shape	
Battery	Giotto Arm with a height of 4.5mt**: LiFePO ₄ >3500Cycles (80%DOD) installed inside the pole - 12,8V 42Ah	
Charge controller*	SPB-20	Bluetooth connection by smartphone or PC.
	MPPT high efficiency (> 95%)	
Street lamp	Sun Light Western CO. Available models: 30W 4274lm	
Color temperature – CRI	4000°K – CRI>70	
Optic	Asymmetric for street and wide area lighting, suitable for ME Class as UNI11248 and UNI13201-2 . PMMA material protected by flat glass	
Light control	Self-management flux reduction to maximize lamp operation during cloudy days.	
Mechanical parts	Pole: 5mt high above the ground, steel made and hot deep galvanized and painted RAL 7043 . Wind load resistance in accordance to Eurocode 0-1-3 . and production compliant to EN1090-2 .	

Modulo FV cristallino
Crystalline PV module
Module PV cristallin

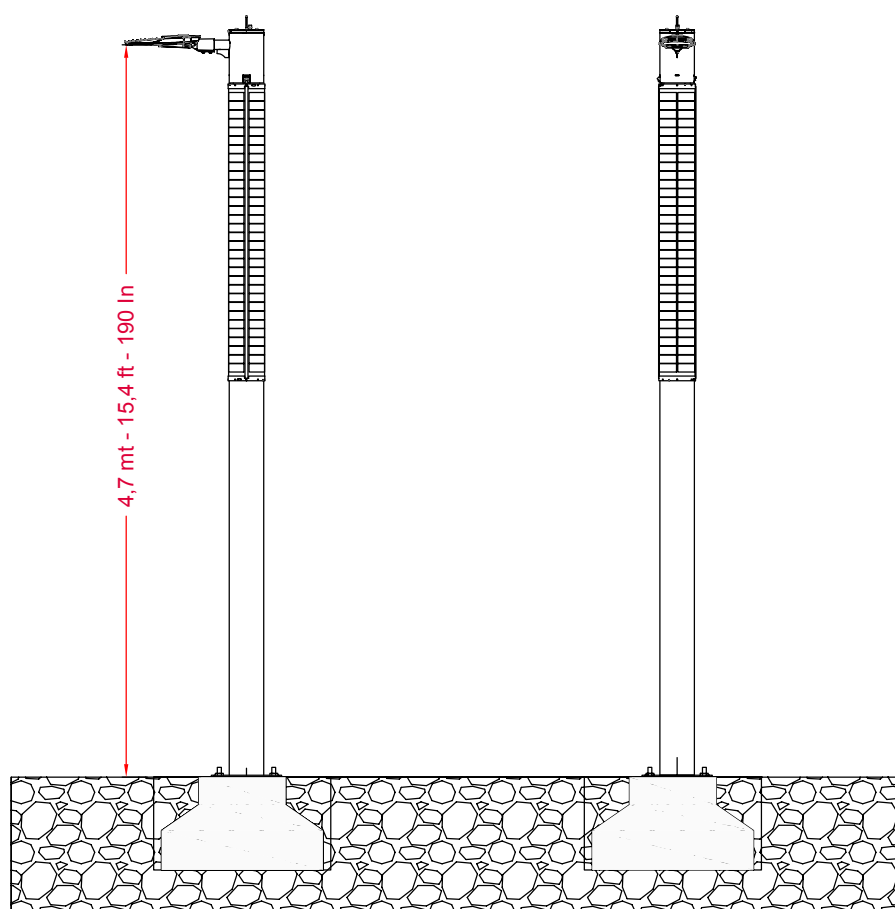


Technical scheme

Dimensioni del prodotto

[eng]
Product dimensions

[fra]
Dimensions du produit

**Realizzazioni**

[eng]
Realizations

[fra]
Réalisations



Sun Light

High efficiency LED lighting appliance

Descrizione prodotto

Sun Light è un apparecchio di illuminazione a LED ad alta efficienza per illuminazione stradale progettato per essere alimentato a batteria 12 o 24V, ideale per realizzare lampioni stradali ad alimentazione fotovoltaica. Disponibile in diverse taglie, potenze, temperature di colore, ottiche e attacchi per essere usato in varie applicazioni.

[eng]

Product description

Sun Light is a high efficiency LED lighting fixture for street lighting designed to be powered by 12 or 24V battery, ideal for making photovoltaic powered streetlamps. Available in different sizes, powers, color temperatures, optics and couplers to be used in various applications.

[fra]

Description du produit

Sun Light est un appareil d'éclairage à LED à haute efficacité pour l'éclairage public conçu pour être alimenté par une batterie 12 ou 24V, idéal pour la fabrication de lampadaires à alimentation photovoltaïque. Disponible en différentes tailles, puissances, températures de couleur, optiques et attaques pour être utilisé dans diverses applications.

Caratteristiche generali



Tempered glass



Different optics in PMMA



Battery voltage 12 / 24V



Compliant to
EN 13201

[eng]

General features



IP65 with moisture extractor



Efficiency range Lumen/Watt
120÷138



Flow reduction automatic or
control LED by Western CO.
charge controller

[fra]

Caractéristiques générales



Self-management algorithm



Operating temperature range:
-20°C +57°C



Class of insulation



Sun Light
XS / S / M

Sun Light XS DARK GREY

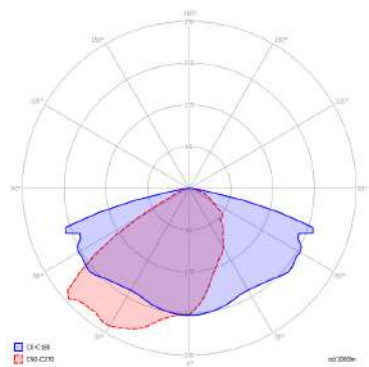
Versione con attacco a braccio tondo D60mm. RAL7043.

[eng]

Version with D60mm round arm coupler. RAL7043

[fra]

Version avec connexion à bras rond D60mm. RAL7043



NAME	NUMBER OF LEDs	COLOR TEMPERATURE / CRI	LUMINAIRE POWER @ Ta=25°C [W]	LED CURRENT [mA]	NOMINAL LED FLUX @ Tj=85°C [lm]	LUMINAIRE FLUX @ Ta=25°C [lm]	LUMINAIRE EFFICIENCY @ Ta=25°C [lm/W]	WEIGHT [kg]
Sun Ligth XS 12 Dark Grey	16	4000°K / >70	11.7	261	2015	1850	158	2.8
Sun Ligth XS 18 Dark Grey	16	4000°K / >70	18.2	371	3121	2740	151	
Sun Ligth XS 24 Dark Grey	16	4000°K / >70	24.3	500	4111	3502	144	
Sun Ligth XS 30 Dark Grey	16	4000°K / >70	31.1	636	5096	4274	137	
Sun Ligth XS 36 Dark Grey	16	4000°K / >70	39.3	797	6199	5075	129	
Sun Ligth XS 42 Dark Grey	16	4000°K / >70	46.5	932	7061	5704	123	

Sun Light XS SILVER

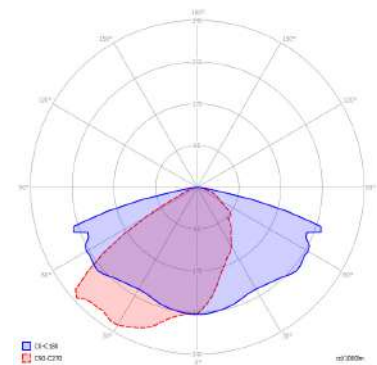
**Versione con attacco a braccio tondo
D60mm. RAL9006**

[eng]

Version with D60mm round arm coupler.
RAL9006

[fra]

Version avec fixation à bras rond D60mm.
RAL9006



NAME	NUMBER OF LEDs	COLOR TEMPERATURE / CRI	LUMINAIRE POWER @ Ta=25°C [W]	LED CURRENT [mA]	NOMINAL LED FLUX @ Tj=85°C [lm]	LUMINAIRE FLUX @ Ta=25°C [lm]	LUMINAIRE EFFICIENCY @ Ta=25°C [lm/W]	WEIGHT [kg]
Sun Ligth XS 24 Silver	16	4000°K / >70	24.3	500	4111	3502	144	2.8
Sun Ligth XS 30 Silver	16	4000°K / >70	31.1	636	5096	4274	137	
Sun Ligth XS 36 Silver	16	4000°K / >70	39.3	797	6199	5075	129	
Sun Ligth XS 42 Silver	16	4000°K / >70	46.5	932	7061	5704	123	
Sun Ligth XS 24 Silver / 3000K	16	3000°K / >70	23.3	500	3846	3177	136	
Sun Ligth XS 30 Silver / 3000K	16	3000°K / >70	30.1	636	4754	3927	130	
Sun Ligth XS 36 Silver / 3000K	16	3000°K / >70	38.1	797	5774	4768	125	
Sun Ligth XS 42 Silver / 3000K	16	3000°K / >70	45.2	932	6569	5426	120	

Sun Light S SILVER

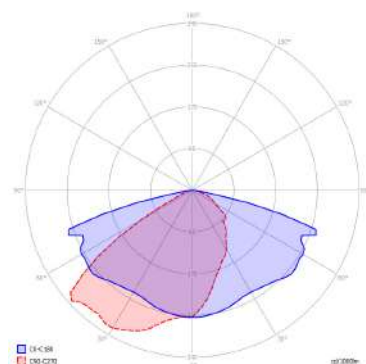
Versione con attacco a braccio tondo
D60mm. RAL9006

[eng]

Version with D60mm round arm coupler.
RAL9006

[fra]

Version avec fixation à bras rond D60mm.
RAL9006



NAME	NUMBER OF LEDs	COLOR TEMPERATURE / CRI	LUMINAIRE POWER @ Ta=25°C [W]	LED CURRENT [mA]	NOMINAL LED FLUX @ Tj=85°C [lm]	LUMINAIRE FLUX @ Ta=25°C [lm]	LUMINAIRE EFFICIENCY @ Ta=25°C [lm/W]	WEIGHT [kg]
Sun Ligth S 60 Silver	32	4000°K / >70	61.3	636	10191	8422	137	4.55
Sun Ligth S 72 Silver	32	4000°K / >70	76.2	797	12399	10241	134	
Sun Ligth S 84 Silver	32	4000°K / >70	90.5	932	14124	11666	128	
Sun Ligth S 60 Silver / 3000K	16	3000°K	60.1	636	9509	7855	130	4.55
Sun Ligth S 72 Silver / 3000K	16	3000°K	76.2	797	11547	9538	125	
Sun Ligth S 84 Silver / 3000K	16	3000°K	90.5	932	13138	10852	120	

Sun Light M SILVER

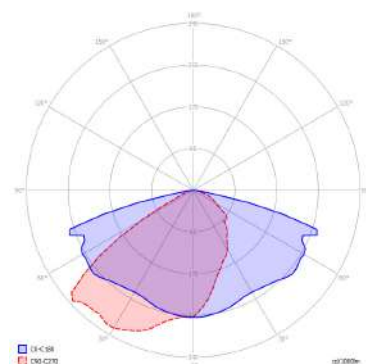
**Versione con attacco a braccio tondo
D60mm. RAL9006**

[eng]

Version with D60mm round arm coupler.
RAL9006

[fra]

Version avec fixation à bras rond D60mm.
RAL9006



NAME	NUMBER OF LEDs	COLOR TEMPERATURE / CRI	LUMINAIRE POWER @ Ta=25°C [W]	LED CURRENT [mA]	NOMINAL LED FLUX @ Tj=85°C [lm]	LUMINAIRE FLUX @ Ta=25°C [lm]	LUMINAIRE EFFICIENCY @ Ta=25°C [lm/W]	WEIGHT [kg]
Sun Ligth M 110 Silver	48	4000°K / >70	114.3	797	18470	15255	133	5.60
Sun Ligth M 130 Silver	48	4000°K / >70	135.7	932	21037	17377	128	

La Western CO. si riserva di aggiornare i flussi e l'efficienza degli apparecchi riportati in questo catalogo in base all'evoluzione tecnologica dei dispositivi LED.

[eng]

Western CO. reserves the right to update the flows and efficiency of the luminaires shown in this catalog based on the technological evolution of LED devices.

[fra]

Western CO. se réserve le droit de mettre à jour les flux et l'efficacité des luminaires présentés dans ce catalogue en fonction de l'évolution technologique des appareils LED.

Sunny One XS 30

lampada all-in-one 30w



Descrizione prodotto

Armatura All-in-one solare con modulo FV 45W integrato, potenza lampada LED 30W, batteria LiFePO4 36Ah e 2 giorni di autonomia in assenza di sole.

[eng]

Product description

All-in-one solar lighting fixture with integrated 45W PV module, 30W LED lamp power, 36Ah LiFePO4 battery and 2 days of autonomy in the absence of sun.

[fra]

Description du produit

Luminaire solaire tout-en-un avec module PV intégré de 45W, puissance de la lampe LED de 30W, batterie LiFePO4 de 36Ah et 2 jours d'autonomie en l'absence de soleil.

Sunny One XS 30



PARAMETER	TECHNICAL DATA
PV module	45W,18V, Monocrystalline silicon
Battery	12.8V, 36Ah, LiFePO ₄
Charge Controller	MPPT 60W
Lifetime	>60,000 hrs LM70,Ta 50°C
Power	30W
Light efficiency	150lm/W
Nominal LED flux (lm)	4740
Discharging	2 no-sun days
LED quantity	48
Lens type	T2
CRI	≥ 70
Color temperature	4000°K
Operation voltage	DC24V
Current	835mA
Driver isolation	Class III
Operating temperature	-20°C~ + 50°C~ / 10% ~ 95% (humidity)
Body parts material	ADC12 (standard)
Optic	PC (standard)
Screen	Flat tempered glass 5mm thickness
Gasket	Silicone
Lamp size	893*365*134 mm
Weight	17Kg
Warranty	5 years

Charge controllers

Especially designed for PV lighting

Descrizione prodotto

Regolatori di carica per lampioni fotovoltaici stradali. Disponibili con interfaccia utente Bluetooth® o con controllo remoto 4G.

[eng]

Product description

Charge controllers for photovoltaic streetlamps. Available with Bluetooth® user interface or with 4G remote control.

[fra]

Description du produit

Régulateurs de charge pour lampadaires photovoltaïques. Disponible avec interface utilisateur Bluetooth® ou avec commande à distance 4G.

Caratteristiche generali



PWM/MPPT charge



Protections:
 – battery polarity inversion
 – low voltage battery disconnect
 – output overload protection
 – internal over-temperature

[eng]

General features



Battery Pb AGM/GEL or lithium



IP66 Aluminium enclosure

[fra]

Caractéristiques générales



Self-management lamp flux



Pre-assembled cables



SPC07-IP2 | SPB-20 | SPB-LS GSM

SPC07-IP2



Descrizione prodotto

Ricarica PWM da fotovoltaico le batterie al piombo o litio e gestisce l'accensione automatica del lampione al crepuscolo con controllo del flusso luminoso per un utilizzo ottimale dell'energia in batteria.

[eng] Product description

PWM charging of lead-acid or lithium batteries by photovoltaics and manages the automatic lighting of the streetlight at dusk with luminous flux control for optimal use of battery energy.

[fra] Description du produit

Il recharge les batteries au plomb ou au lithium du PWM photovoltaïque et gère l'éclairage automatique du lampadaire au crépuscule avec contrôle du flux lumineux pour une utilisation optimale de l'énergie de la batterie.

Descrizione algoritmo autogestione:

[eng] Description of self-management algorithm:

[fra] Description de l'algorithme d'autogestion :

Alla prima attivazione del Self-management, l'SPC07-IP2 setta il ProgTimer: At the first activation of the Self-management, the SPC07-IP2 sets the ProgTimer: Lors de la première activation de l'autogestion, le SPC07-IP2 définit le ProgTimer:	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	
Se il sistema incontra alcuni giorni di bel tempo l'SPC07-IP2 incrementa il numero di ore di accensione alla massima luminosità. If the system encounters a few days of good weather, the SPC07-IP2 increases the number of hours of switching on at maximum brightness. Si le système rencontre quelques jours de beau temps, le SPC07-IP2 augmente le nombre d'heures d'allumage à luminosité maximale.	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	after 1 day after 2 days after 3 days
Se il sistema incontra alcuni giorni di cattivo tempo l'SPC07-IP2 decrementa le ore alla massima luminosità. If the system encounters a few days of bad weather, the SPC07-IP2 decreases the hours to maximum brightness. Si le système rencontre quelques jours de mauvais temps, le SPC07-IP2 diminue les heures à la luminosité maximale.	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	after 1 day after 2 days after 3 days Minimum

SPB-20



Descrizione prodotto

Il regolatore SPB-20 ha un'interfaccia utente (UI) attraverso app Android/iOS connessa in Bluetooth® con la quale l'installatore può verificare il funzionamento del lampione, impostare diversi parametri e analizzare i dati del logger interno per la manutenzione predittiva del lampione.

[eng]

Product description

The SPB-20 controller has an user interface (UI) via an Android/iOS app connected in Bluetooth® with which the installer can check the operation of the streetlamp, set different parameters and analyze the data of the internal logger for predictive maintenance of the streetlamp.

[fra]

Description du produit

Le contrôleur SPB-20 a une interface utilisateur (UI) via une application Android/iOS connectée en Bluetooth® avec laquelle l'installateur peut vérifier le fonctionnement du lampadaire, définir différents paramètres et analyser les données de l'enregistreur interne pour une maintenance prédictive du lampadaire.



Download APP
Western Monitor



Download APP
Western Monitor



App Western Monitor

SPB-20-4G



Descrizione prodotto

Il regolatore SPB-20-4G ha un modem che attraverso la rete cellulare mobile (4G) connette il lampione a Internet e ne permette un controllo remoto con il quale si può verificare il funzionamento, si possono impostare diversi parametri e analizzare i dati del logger per la manutenzione predittiva del lampione.

[eng]

Product description

The SPB-20-4G controller connects the streetlamp to the Internet via the mobile phone network (4G) and allows remote control with which operation can be verified, various parameters can be set and the logger data can be analyzed for predictive maintenance of the streetlamp.

[fra]

Description du produit

Le contrôleur SPB-20-4G dispose d'un modem qui connecte le lampadaire à Internet via le réseau portable mobile (4G) et permet un contrôle à distance avec lequel le fonctionnement peut être vérifié, divers paramètres peuvent être définis et les données de l'enregistreur analysées pour une maintenance prédictive du lampadaire.



Energy statistics



Remote Monitoring

Regolatore di carica
Charge Controller
Contrôleur de charge

Tipologia di manutenzione
Type of maintenance
Type d'entretien

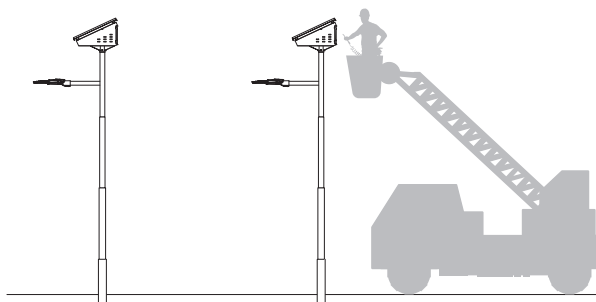
SPC07-IP2



Manutenzione classica:
richiede accesso al vano
batteria

Classic maintenance: requires
access to the battery
compartment

Entretien classique: nécessite
l'accès au compartiment de la
batterie



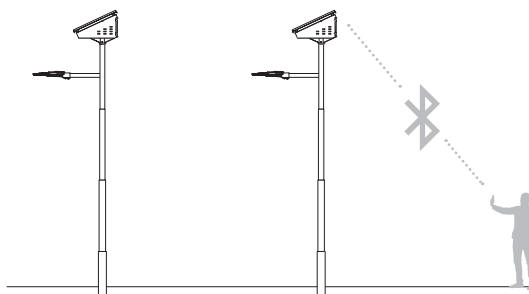
SPB-20



Manutenzione semplificata:
accesso ai parametri di
funzionamento del sistema
da base palo tramite app
Bluetooth®

Simplified maintenance: access
to the operating parameters of
the system from the pole base
via Bluetooth® app

Maintenance simplifiée:
accès aux paramètres de
fonctionnement du système
depuis la base des pôles via
l'application Bluetooth®



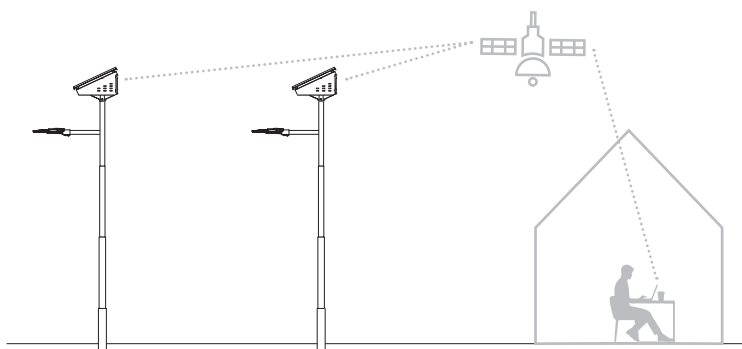
SPB-20-4G



Manutenzione semplificata:
accesso ai parametri di
funzionamento del sistema da
remoto tramite portale web
mySUNLIGHT

Simplified maintenance:
remote access to the operating
parameters of the system via
the mySUNLIGHT web portal

Maintenance simplifiée: accès
à distance aux paramètres de
fonctionnement du système via
le portail web mySUNLIGHT



Other applications

PV solutions





ENTRY PV KIT - WLB

ENTRY PV KIT



Descrizione prodotto

Kit per alimentazione fotovoltaica composto da modulo PV batteria regolatore di carica con ancoraggio a palo (diametro 60-102 mm) o a parete. Può alimentare una lampada (proponiamo la lampada modello WLK 12/18N con aggancio a zanca) oppure altri dispositivi quali telecamere, antenne Wi-Fi, insegne luminose o altro che sia alimentato da una batteria a 12V.

[eng]

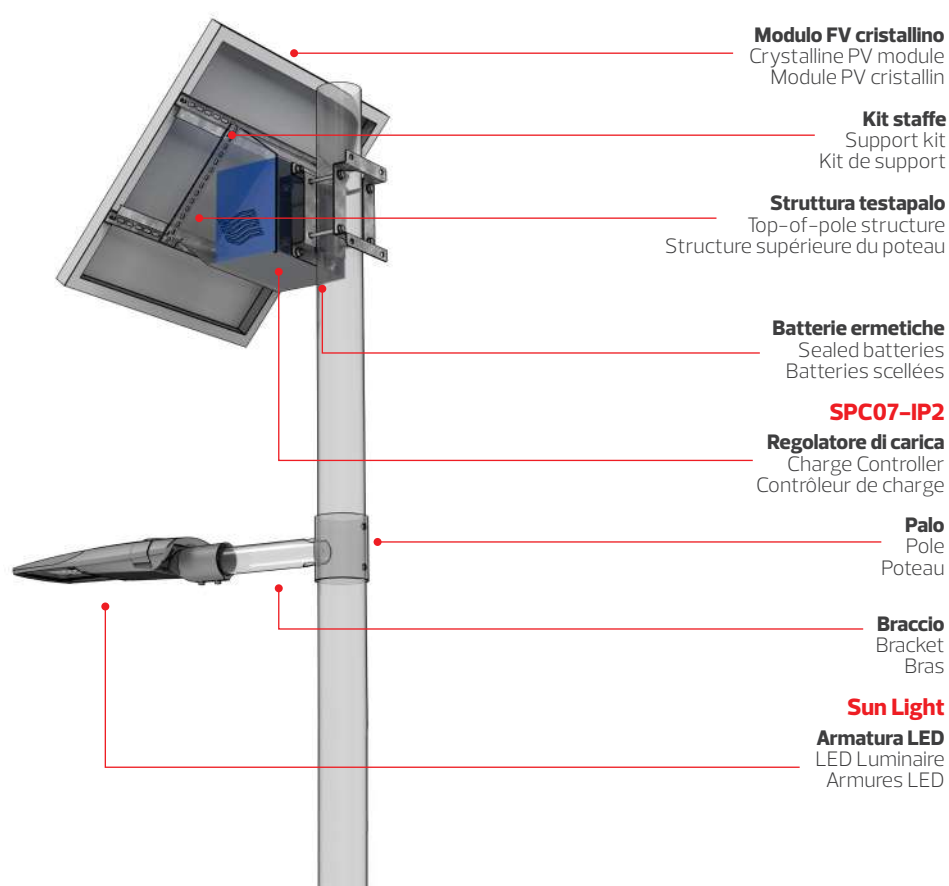
Product description

Photovoltaic power supply kit consisting of PV module, battery, charge controller with pole fixing (diameter 60-102 mm) or wall. It can power a luminaire (we propose the luminaire model WLK 12 / 18N with coupler with clamps) or other devices such as cameras, Wi-Fi antennas, electric signs or anything else that is powered by a 12V battery.

[fra]

Description du produit

Kit d'alimentation photovoltaïque composé d'un contrôleur de charge, batterie et module PV avec ancrage de poteau (diamètre 60-102 mm) ou mur. Il peut alimenter une lampe (nous proposons le modèle de lampe WLK 12 / 18N avec couplage par crochet) ou d'autres appareils tels que des caméras, des antennes Wi-Fi, des enseignes lumineuses ou tout autre élément alimenté par une batterie 12V.



Caratteristiche prodotto

Pole installation D60-102 with coupler with clamps or on the wall



PWM Charge Controller

[eng]

Product features

PV module 20W / 40W / 60W
slope 50° / 25°



IP 65 with moisture extractor

[fra]

Caractéristiques du produit

Lead Acid Battery
GEL 58Ah / LiFePO₄ 60Ah



Insulation class

Lampade disponibili

[eng] Available lamps

[fra] Lampes disponibles



Sun Light Silver XS 24-42
LED lamp



Sun Light Silver S 60-84
LED lamp

Pag.36

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

Batterie disponibili

[eng] Available batteries

[fra] Batteries disponibles

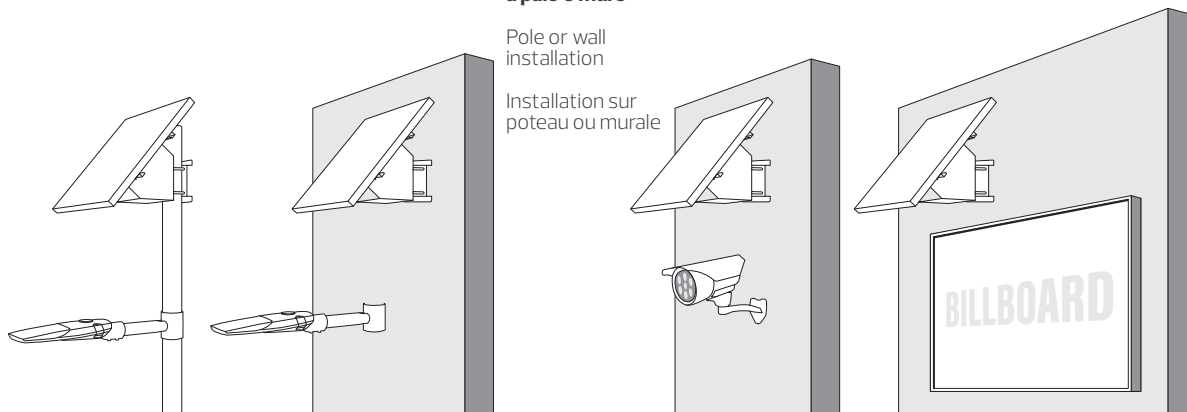


60Ah Pb GEL / 60Ah LiFePO₄
Battery capacity

Installazione a palo o muro

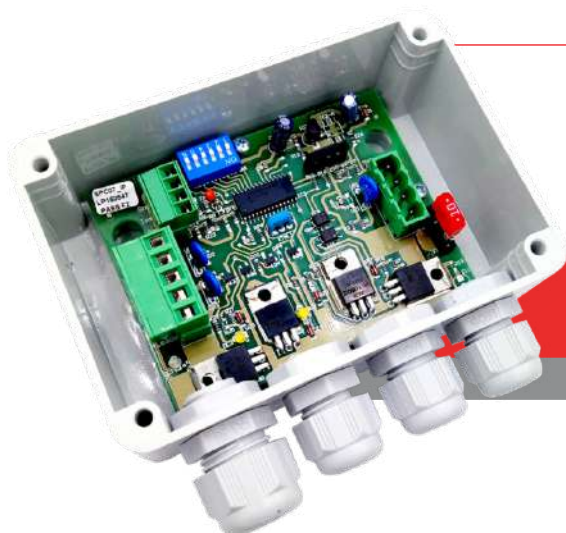
Pole or wall
installation

Installation sur
poteau ou murale

**Possibilità di alimentazione di TVCC (telecamere di sicurezza) e tabelloni pubblicitari**

Possibility of feeding of
CCTV (security cameras)
and billboards

Possibilité de l'alimenta-
tion des CCTV (caméras
de sécurité) et panneaux
d'affichage

**SPC07-IP2**

Specific PWM controller for LED lighting
10A IP54. Can be set for both lead-acid and
LiFePO₄ batteries.

WLB



Descrizione prodotto

Box All-in-One per batteria **LiFePO₄** (> 3.500 cicli) da 60Ah o 100Ah con **regolatore di carica SPB-20** con controllo **Bluetooth integrato**. Collegando al WLB un modulo fotovoltaico e una lampada Sun Light realizziamo un sistema di illuminazione fotovoltaica da installare a palo, a muro o su ogni altra struttura che necessita di illuminazione fotovoltaica stand-alone. Il sistema può anche essere usato per alimentare un carico a 12V in continua.

[eng]

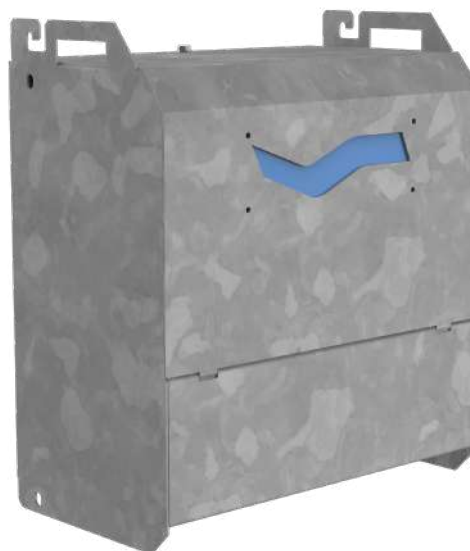
Product description

All-in-One box for **LiFePO₄** battery (> 3.500 cycles) of 60Ah or 100Ah with **charge controller SPB-20** with **integrated Bluetooth** control. By connecting a photovoltaic module and a Sun Light luminaire to the WLB, we create a photovoltaic lighting system to be installed on a pole, on the wall or on any other structure that requires stand-alone photovoltaic lighting. The system can also be used to power a 12V DC load.

[fra]

Product description

Boîtier tout-en-un pour une batterie **LiFePO₄** (> 3.500 cycles) de 60 Ah ou 100 Ah avec un **contrôleur de charge SPB-20** avec contrôle **Bluetooth intégré**. En connectant un module photovoltaïque et une lampe Sun Light au WLB, nous créons un système d'éclairage photovoltaïque à installer sur un poteau, sur le mur ou sur toute autre structure nécessitant un éclairage photovoltaïque autonome. Le système peut également être utilisé pour alimenter une charge de 12 V CC.



Caratteristiche prodotto



Pole D60-102 or
wall installation



Flux reduction to prevent low
battery level

[eng]

Product features



12V Pb-Gel or LiFePO₄ batteries

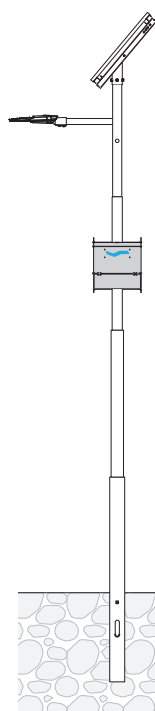
[fra]

Caractéristiques du produit



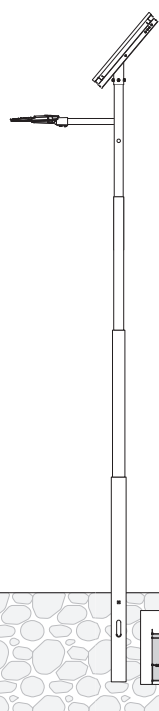
MPPT Charge

Possibili installazioni



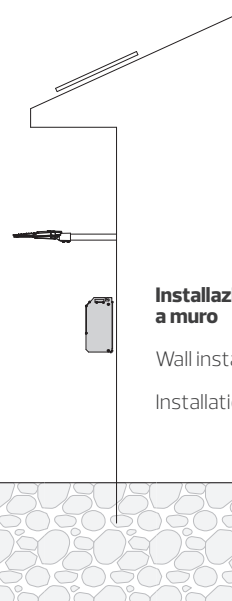
Installazione a palo

Pole
installation
Installation sur
poteau



Installazione a pozzetto

Cable pit
installation
Installation au
puisard



Installazione a muro

Wall installation
Installation murale

Monitoraggio e Controllo

Il Box All-in-one WLB monta 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 sistema. A richiesta può essere fornito il lampione con il regolatore SPB-LS GSM con modem 2G per controllo e monitoraggio a distanza.

[eng]

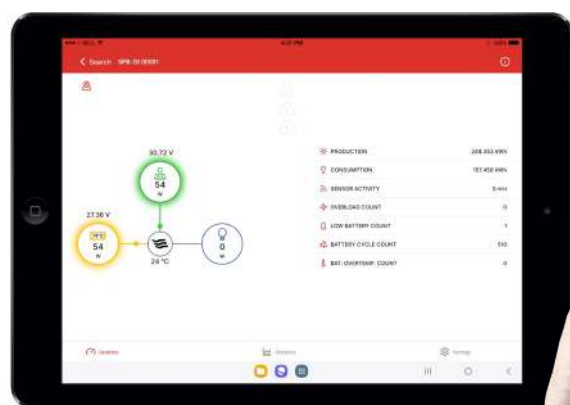
Product description

The All-in-one WLB Box is equipped with a Western CO. SPB-20 charge controller with integrated Bluetooth® remote control. Through application on smartphone or PC, it is possible to view the functioning of the entire system. 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 boîtier WLB tout-en-un est équipé d'un régulateur de charge de CO Western. SPB-20 avec commande à distance Bluetooth® intégrée. Grâce à l'application sur smartphone ou PC, il est possible de visualiser le fonctionnement de l'ensemble du système. 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

4G version available on request

Wide choice of applications

The versatility of our solutions

Doppia lampada Sun Light

Double Sun Light
luminaire

Lampe double
Sun Light

2 Stan Tower e batteria su armadio a base palo che alimenta stazione meteo/controllo qualità dell'aria

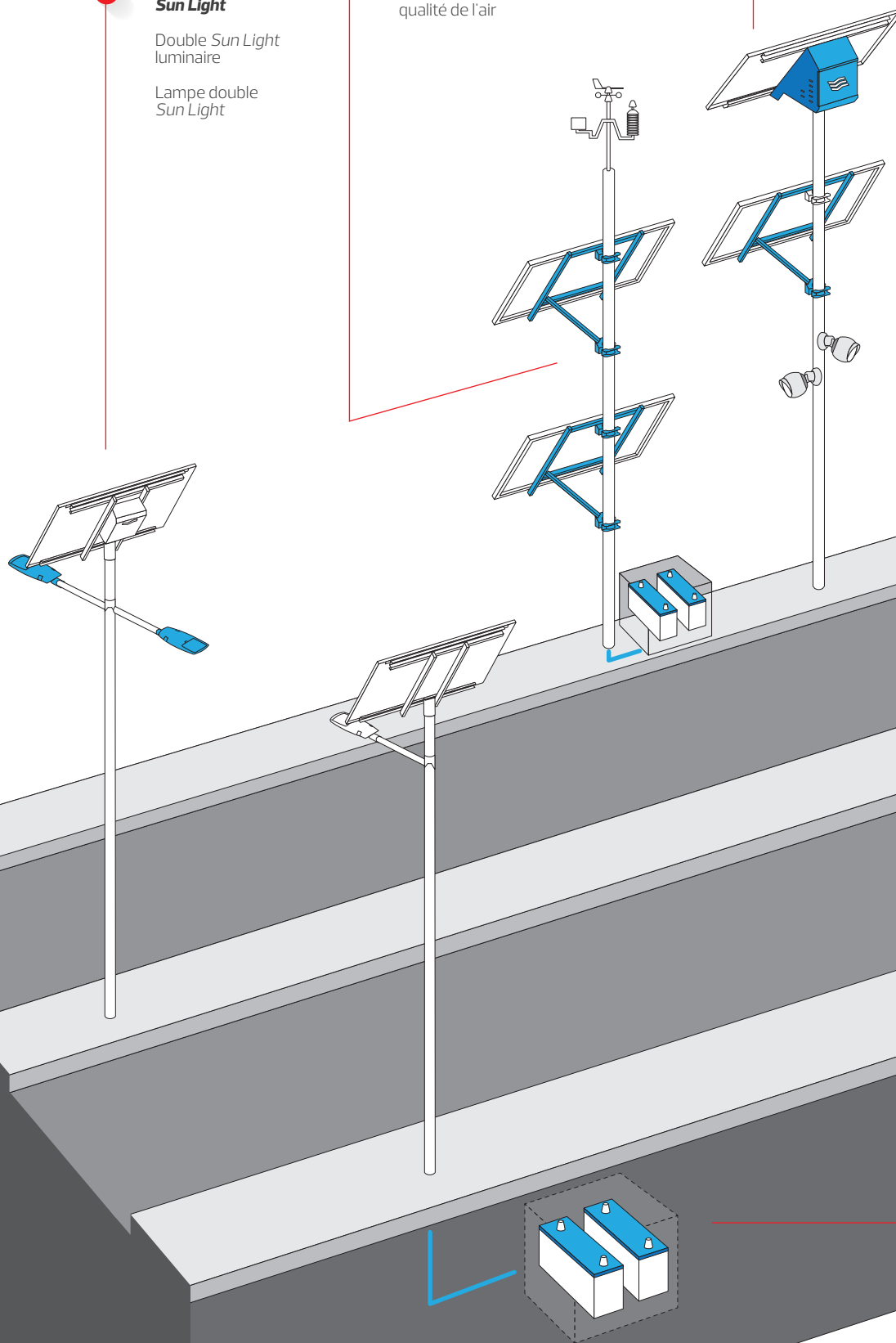
2 Stan Tower and battery in ground
box at the bottom of the pole
powering weather / air quality
monitoring station

2 Stan Tower et batterie sur
armoire à poteau qui alimente
la station météo/contrôle de la
qualité de l'air

Stan Tower e testapalo WTP che alimentano telecamere Wi-Fi per videosorveglianza

Stan Tower and WTP top-of-pole
powering Wi-Fi security cameras

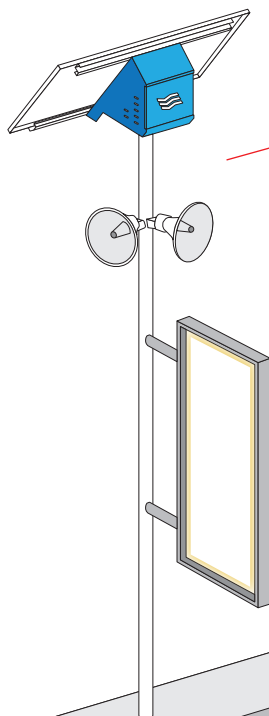
Stan Tower et Tête-poteau WTP qui
fournit des caméras Wi-Fi pour la
vidéosurveillance



Testapalo WTP che alimenta un tabellone pubblicitario retroilluminato e apparecchi audiofonici

WTP top-of-pole that powers a backlit advertising board and speakers and sound systems equipment

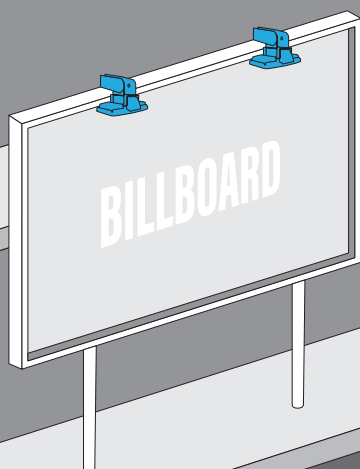
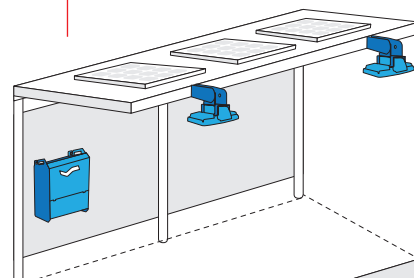
Tête-Poteau WTP qui alimente un panneau publicitaire rétro-éclairé et des appareils audiophoniques



Pensilina fermata autobus illuminata da lampade Billboard alimentate da WLB e modulo FV

Bus stop shelter lit by Billboard luminaires powered by WLB and PV module

Abri d'arrêt de bus éclairé par des lampes Billboard alimentées par WLB et module PV



Installazione batteria a pozzetto

Well-type battery installation

Installation de la batterie au plinthe

Tabellone pubblicitario illuminato da lampade Billboard alimentate da testapalo WTP

Advertising board illuminated by Billboard luminaires powered by WTP top-of-pole

Tableau éclairé par des lampes Billboard alimentées par un Tête-poteau WTP



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