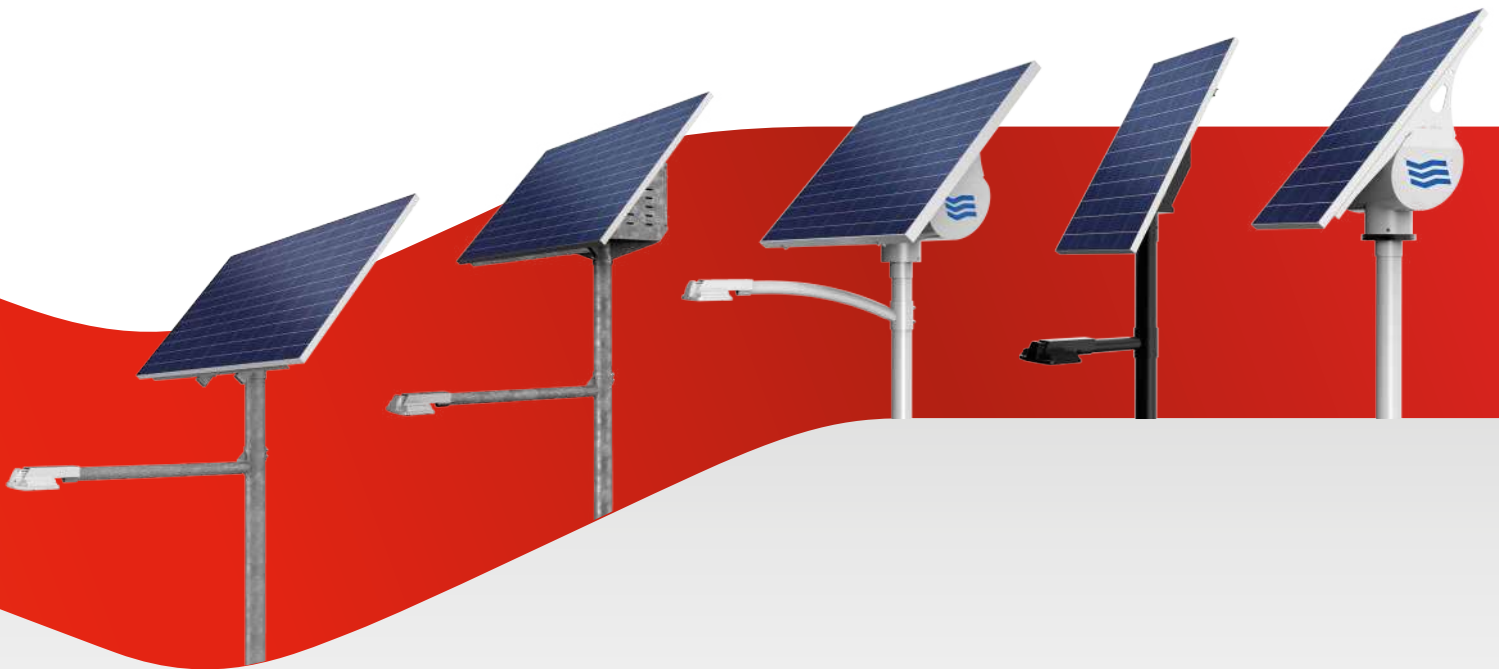# PV
LIGHTING
SOLUTIONS

PV
LIGHTING
SOLUTIONS

Western CO.

Filosofia

Guardare al futuro è un dovere per tutte le azien-de che vogliono stare al passo con il mercato. Proiettata verso dinamiche di sviluppo internazio-nali la nostra azienda trae quotidianamente ispi-razione 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 sosteni-bile 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.

Member of CISQ Federation

RINA
CERTIFIED MANAGEMENT SYSTEM
ISO 9001

RINA
CERTIFIED PROCESS
EN 1090-1
Metal Structures

RENEWABLE ENERGY
Per il nostro pianeta
For our planet
Pour notre planète

OFF-GRID SYSTEM PV LIGTHING
Leader mondiali
World leader
Les leaders mondiaux

CUSTOMER SERVICE
Comunicazione chiara
Clear Communication
Une communication claire

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

100%
Prdotto 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'elettrificazione. 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.

Lampade LED

La serie **W–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 **W–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 **W–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 **W–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 **W–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 **W–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 **W–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 **W–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 **W–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

🔧 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

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

🔴 III Class of insulation

[fra]
Avantages opérationnels

🔴 Extruded aluminum body

🔴 Different optics in PMMA

🔴 **12-24** Battery voltage 12 / 24V

🔴 Compliant to EN 13201

Index

Street lighting
PV solution for road applications

Components

Parks and gardens lighting
PV solution for urban applications

Other applications
PV solutions

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 (LiFePO$_4$) 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 (LiFePO$_4$) 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 (LiFePO$_4$) grâce à laquelle le lampadaire SSL-Li a un design compact et agréable, de faibles coûts d'entretien, une fonctionnalité maximale, efficacité et fiabilité.
Disponible 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

[eng]
Product features

[fra]
Caractéristiques du produit

Li — LiFePO$_4$ 12 VDC battery, longlife and high performance

High efficiency LED lamps

MPPT technology charge controller

Flux reduction self management to prevent low battery level

Bluetooth control & monitoring

Compact design all-in-one power box

Lampade disponibili

[eng] **Available lamps**

[fra] **Lampes disponibles**

W–Light 24N–42N
LED lamp

W–Light 60N–84N
LED lamp

Pag. 46
(Maggiori informazioni – More info – Plus d'informations)

Batterie disponibili

[eng] **Available batteries**

[fra] **Batteries disponibles**

60Ah – LiFePO$_4$
Battery capacity

100Ah – LiFePO$_4$
Battery capacity

Monitoraggio e Controllo

Il lampione SSL–Li monta il regolatore di carica Western CO. SPB–LS BT 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–Li streetlamp has a Western CO. SPB–LS BT 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–Li possède un contrôleur de charge Western CO. SPB–LS BT 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.
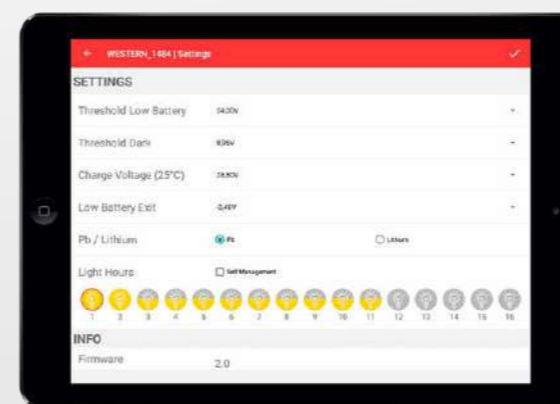
Bluetooth control included as standard

Also available with GSM version (more info pag. 54)

Caratteristiche tecniche

[eng] Technical characteristics

[fra] Caractéristiques techniques

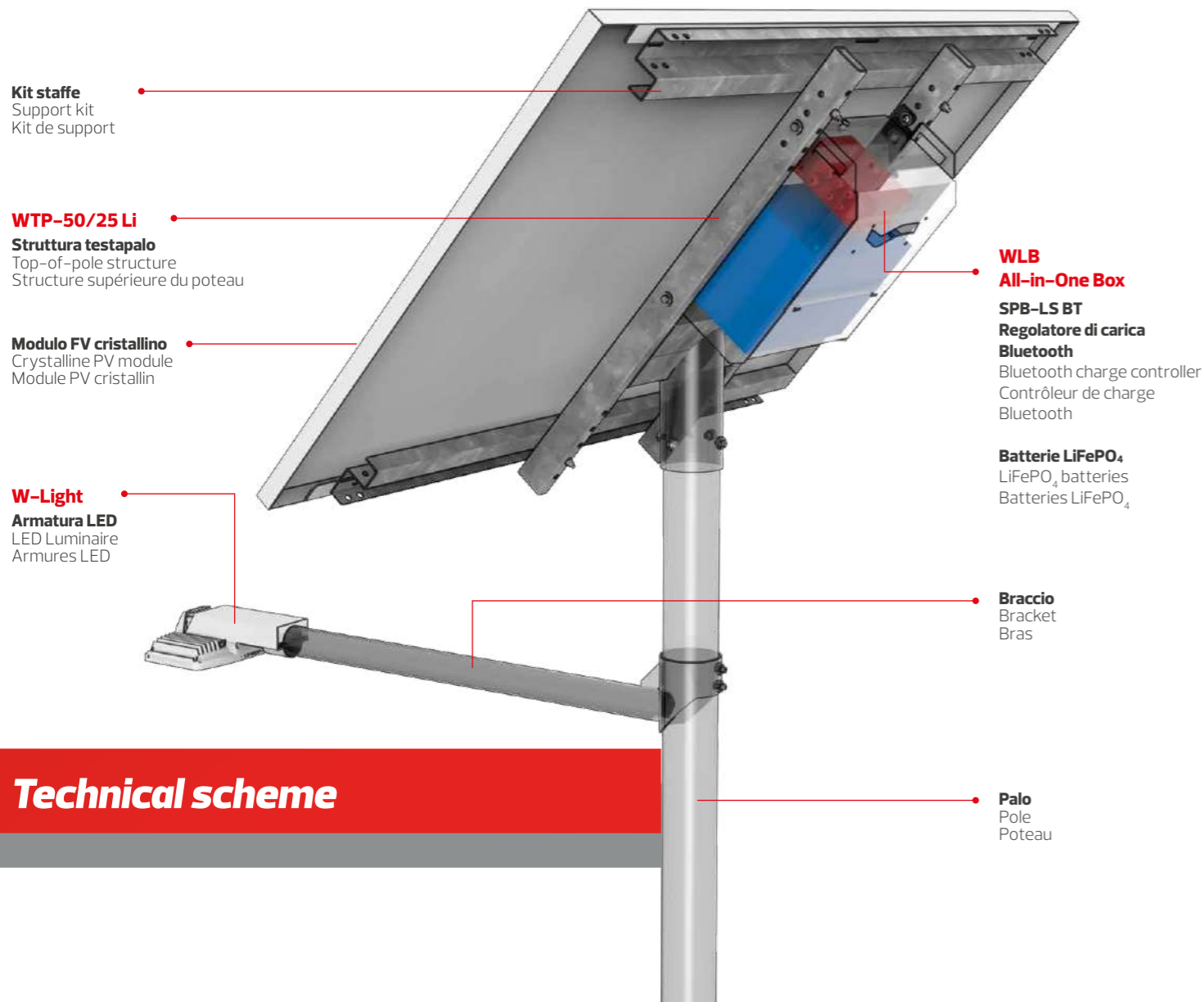|	
Pv module	160W / 300W monocristalline PERC. Two versions available with tilt angle 50° or 25° for optimum installation at different latitudes.
Battery	LiFePO$_4$ >3500Cycles (80%DOD) 12V 60Ah / 12V 100Ah
Charge controller *	SPB–LS/BT **Bluetooth** connection by smartphone or PC. MPPT high efficiency (> 95%)
Street lamp	**W–Light** Western CO. Available models: 30W 3800lm / 36W 4360lm / 42W 5080lm / 60W 7620lm / 72W 8730lm / 84W 10160lm
Color temperature – CRI	4000K – 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: 7m high above the ground, steel made and **hot deep galvanized.**

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

Kit staffe
Support kit
Kit de support

WTP–50/25 Li
Struttura testapalo
Top–of–pole structure
Structure supérieure du poteau

Modulo FV cristallino
Crystalline PV module
Module PV cristallin

W–Light
Armatura LED
LED Luminaire
Armures LED

WLB
All–in–One Box

SPB–LS BT
Regolatore di carica
Bluetooth
Bluetooth charge controller
Contrôleur de charge
Bluetooth

Batterie LiFePO₄
LiFePO$_4$ batteries
Batteries LiFePO$_4$

Braccio
Bracket
Bras

Palo
Pole
Poteau

Technical scheme

Dimensioni del prodotto

[eng] Product dimensions

[fra] Dimensions du produit

SSL–Li 50   **SSL–Li 25**
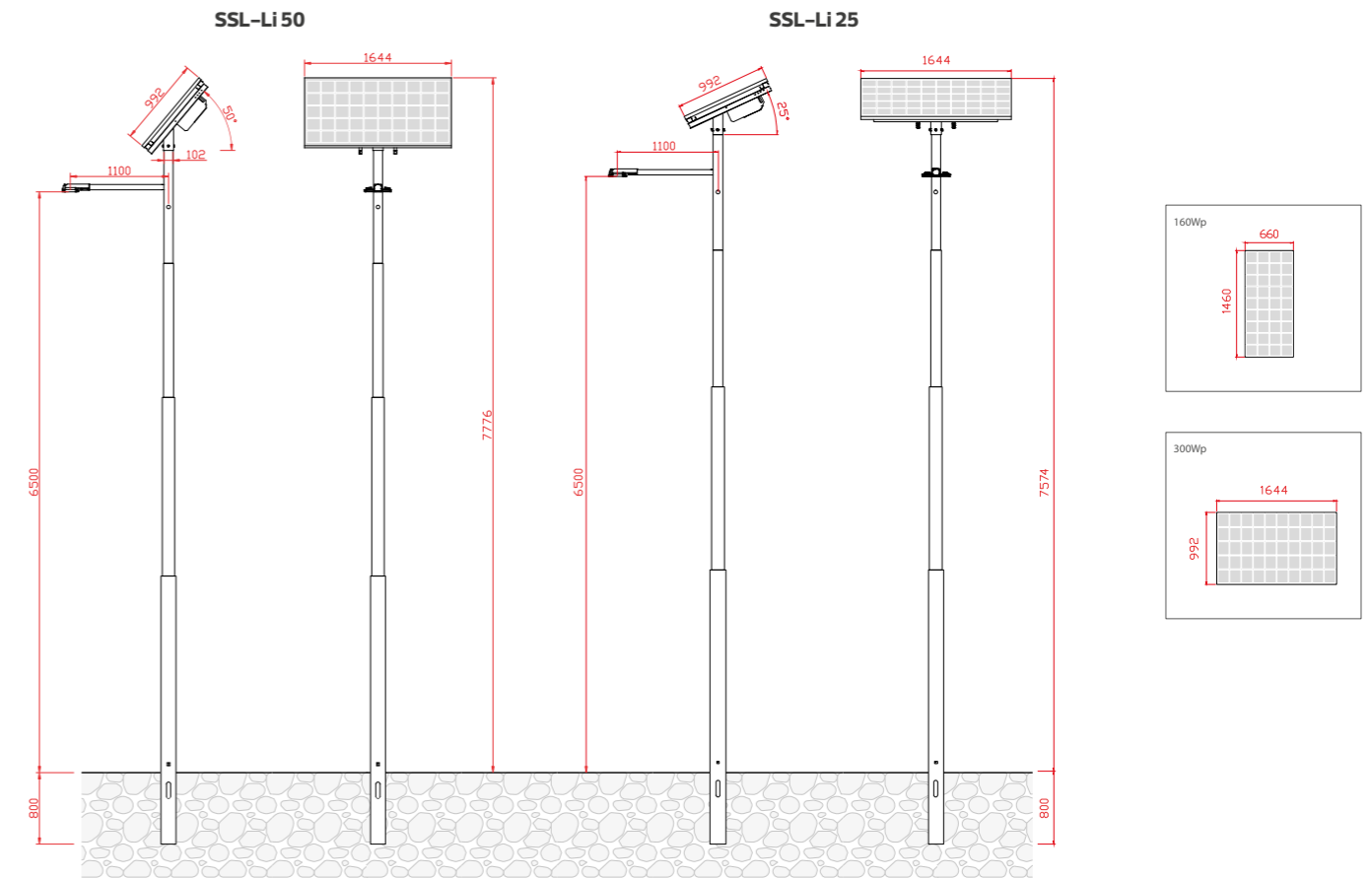
Realizzazioni

[eng] Realizations

[fra] Réalisations

SSL-Li - Configurazione Italia

Usa il QRCode e configura il tuo lampione
Use the QRCode and configure your streetlamp
Utilisez le QRCode et configurez votre lampadaire

Individua la zona di installazione.

ZONA 1	
ZONA 2	SUD (Campania, Puglia, Basilicata, Calabria, Sardegna, Sicilia)
ZONA 3	CENTRO (Toscana, Marche, Umbria, Lazio, Abruzzo, Molise)
ZONA 4	NORD (Val d'Aosta, Piemonte, Liguria, Lombardia, Trentino Alto Adige, Veneto, Friuli Venezia Giulia, Emilia Romagna)
ZONA 5	

Componi il codice

SSL–Lixx/xx/SPB–xx/PVxxx/Lixx

① ② ③ ④

MODELLO	LAMPADA LED INTELLIGENTE	BOX TESTAPALO WTP–Li	REGOLATORI DI CARICA		MODULO FV					CAPACITÀ BATTERIA LITIO
			SPB–LS BT	SPB–LS GSM	ZONA 1	ZONA 2	ZONA 3	ZONA 4	ZONA 5	
NORD (Val d'Aosta, Piemonte, Liguria, Lombardia, Trentino Alto Adige, Veneto, Friuli Venezia Giulia, Emilia Romagna)										
SSL-Li30-N	W-Light 30N	50	SPB-LS BT	SPB-LS GSM	–	–	300Wp	300Wp**	300Wp	1x60Ah 12V
SSL-Li36-N*	W-Light 36N	50	SPB-LS BT	SPB-LS GSM	–	–	300Wp	300Wp**	300Wp	1x60Ah 12V
CENTRO (Toscana, Marche, Umbria, Lazio, Abruzzo, Molise)										
SSL-Li30-C	W-Light 30N	50	SPB-LS BT	SPB-LS GSM	–	160Wp	160Wp**	300Wp	–	1x60Ah 12V
SSL-Li36-C	W-Light 36N		SPB-LS BT	SPB-LS GSM	–	160Wp	300Wp**	300Wp	–	1x60Ah 12V
SSL-Li42-C	W-Light 42N		SPB-LS BT	SPB-LS GSM	–	160Wp	300Wp**	–	–	1x100Ah 12V
SUD (Campania, Puglia, Basilicata, Calabria, Sardegna, Sicilia)										
SSL-Li30-S	W-Light 30N	50	SPB-LS BT	SPB-LS GSM	160Wp	160Wp**	300Wp	300Wp	–	1x60Ah 12V
SSL-Li36-S	W-Light 36N		SPB-LS BT	SPB-LS GSM	160Wp	160Wp**	300Wp	–	–	1x60Ah 12V
SSL-Li42-S	W-Light 42N		SPB-LS BT	SPB-LS GSM	160Wp	160Wp**	300Wp	–	–	1x100Ah 12V
SSL-Li60-S	W-Light 60N		SPB-LS BT	SPB-LS GSM	300Wp	300Wp**	–	–	–	1x100Ah 12V
SSL-Li72-S	W-Light 72N		SPB-LS BT	SPB-LS GSM	300Wp	300Wp**	–	–	–	1x100Ah 12V
SSL-Li84-S*	W-Light 84N		SPB-LS BT	SPB-LS GSM	300Wp	300Wp**	–	–	–	1x100Ah 12V

*Consigliamo versione con riduzione di flusso al 50%

ESEMPIO DI INSTALLAZIONE A MILANO – SSL–Li30–N/50/SPB–LS BT/PV300/B1x60 :

SSL-Li30-N	50	SPB-LS BT				300	1x60Ah 12V

** moduli FV consigliati – AUTONOMIA: 3gg consecutivi NO SUN | ACCENSIONE: 12ore/notte in modalità autogestione | INTERDISTANZA: 20÷25m

---

① Seleziona la lampada LED.

NOME	NUMERO LED	POTENZA APPARECCHIO @ Tq=25°C [W]	CORRENTE LED [mA]	FLUSSO NOMINALE LED @ Tj=85°C [lm]	FLUSSO APPARECCHIO @ Tq=25°C [lm]	EFFICIENZA APPARECCHIO @ Tq=25°C [lm/W]	PESO [kg]	LATERALE/PIANTA SUPERFICIE [mm2]
W-Light 24N	12	23.0	650	3785	3090	134	6.0	0.02 / 0.10
W-Light 30N	12	29.7	820	4655	3805	128		
W-Light 36N	12	35.1	960	5338	4365	124		
W-Light 42N	12	42.5	1150	6210	5080	119		
W-Light 60N	24	59.4	820	9310	7620	128	8.3	0.03 / 0.10
W-Light 72N	24	70.0	960	10677	8734	125		
W-Light 84N	24	85.0	1150	12423	10160	119		

② Seleziona il codice del regolatore di carica.

SPB – LS BT
Centralina IP66, 15A e Voc 100V con algoritmo MPPT 12V/24V con modulo di controllo **Bluetooth**.

SPB – LS GSM
Centralina IP66, 15A e Voc 100V con algoritmo MPPT 12V/24V con modulo di controllo remoto **GSM**.

③ Abbina il modulo FV in base alla zona.

④ Abbina la batteria corrispondente.

SSL-Li - World configuration

Usa il QRCode e configura il tuo lampione
Use the QRCode and configure your streetlamp
Utilisez le QRCode et configurez votre lampadaire

Individua la zona di installazione.

[eng]
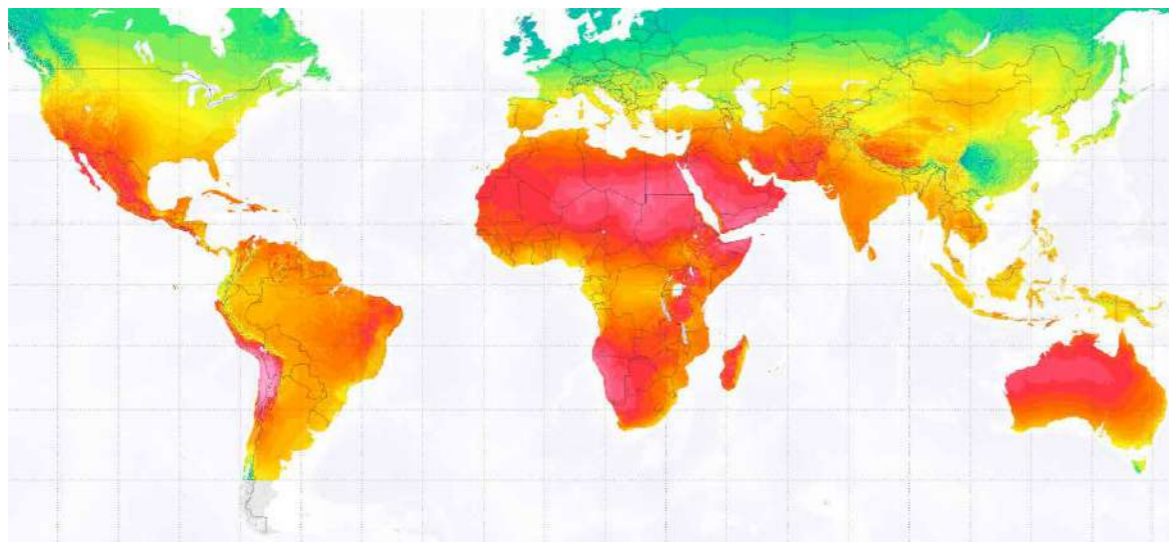Identify the installation area.

[fra]
Identifier la zone d'installation.

ZONE 1
ZONE 2
ZONE 3
ZONE 4
ZONE 5

Componi il codice

[eng]
Compose the code

[fra]
Composer le code

①②③④⑤

SSL–Lixx/xx/SPB–xx/PVxxx/Lixx

PV STREET LIGHT		TOP OF POLE	CHARGE CONTROLLER		PV MODULE					LITHIUM BATTERY CAPACITY
MODEL	INTELLIGENT LED LAMP	WTP-Li	SPB–LS BT	SPB–LS GSM	ZONE 1	ZONE 2	ZONE 3	ZONE 4	ZONE 5	
SSL–Li 24	W-Líght 24N	25°/50°	SPB–LS BT	SPB–LS GSM	100Wp	100Wp	160Wp	160Wp	160Wp	1x60Ah–12V
SSL–Li 30	W-Light 30N				100Wp	160Wp	160Wp	250÷270Wp	250÷270Wp	1x60Ah–12V
SSL–Li 36	W-Light 36N				160Wp	160Wp	250÷270Wp	250÷270Wp	250÷270Wp	1x60Ah–12V
SSL–Li 42	W-Light 42N				160Wp	250÷270Wp	250÷270Wp	250÷270Wp	–	1x100Ah–12V
SSL–Li 60	W-Light 60N				250÷270Wp	250÷270Wp	300Wp	–	–	1x100Ah–12V
SSL–Li 72	W-Light 72N				250÷270Wp	300Wp	–	–	–	1x100Ah–12V
SSL–Li 84	W-Light 84N				250÷270Wp	300Wp	–	–	–	1x100Ah–12V

EXAMPLE OF INSTALLATION ROME – SSL–Li 30/50/SPB–LS BT/PV160/B1x60 :

SSL-Li 30		50°	SPB–LS BT				160			1x60Ah–12V

ALL STREET LIGHTS: 2 days no sun | 12 hours of self–management | pole spacing 20÷25m

---

① Seleziona la lampada LED.

[eng]
Select the LED lamp.
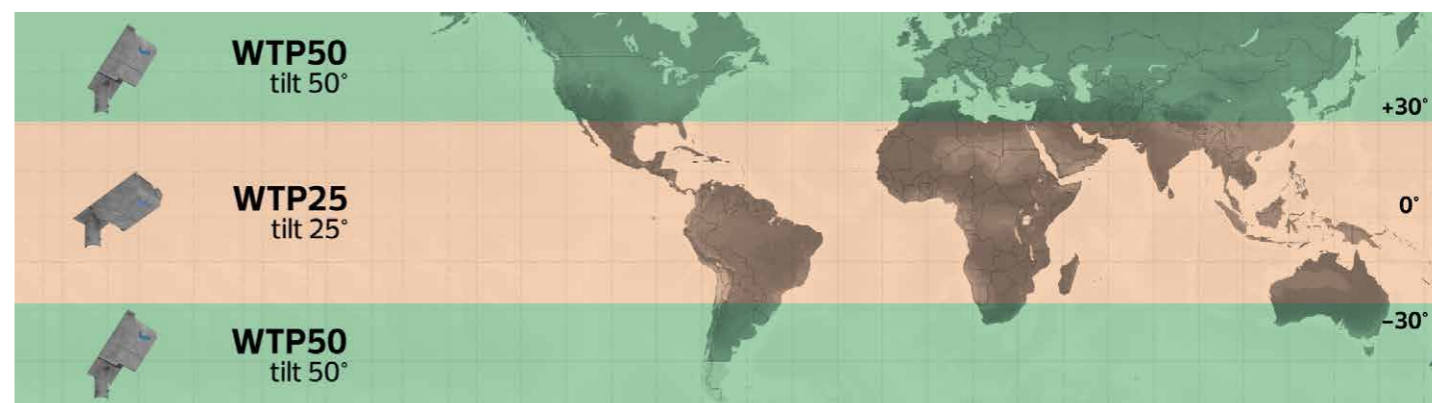
[fra]
Sélectionne la lampe LED.

NAME	NUMBER OF LEDs	LUMINAIRE POWER @ Tq=25°C [W]**	LED CURRENT [mA]	NOMINAL LED FLUX @Tj=85°C [lm]*	LUMINAIRE FLUX @ Tq=25°C [lm]**	LUMINAIRE EFFICIENCY @ Tq=25°C [lm/W]**	WEIGHT [kg]	SIDE–TOP SURFACE [mm2]
W–Light 24N	12	23.0	330	3785	3090	134	6.0	0.03 / 0.10
W–Light 30N	12	29.7	400	4655	3805	128		
W–Light 36N	12	35.1	480	5338	4365	124		
W–Light 42N	12	42.5	550	6210	5080	119		
W–Light 60N	24	59.4	800	9310	7620	128	8.3	0.05 / 0.15
W–Light 72N	24	70.0	480	10677	8734	125		
W–Light 84N	24	85.0	550	12423	10160	119		

② Individua l'inclinazione in base alla mappa.

[eng]
Choose the tilt according to the map.

[fra]
Repère l'inclinaison par carte.

WTP50 tilt 50°   +30°
WTP25 tilt 25°   0°
WTP50 tilt 50°   –30°

③ Seleziona il codice del regolatore di carica.

[eng]
Select the charge controller code.

[fra]
Sélectionne le code du régulateur de charge.

SPB – LS BT
15A charge controller for PV lighting, MPPT algorithm – Voc 100Vdc with 12/24V self–detect, IP66 with **Bluetooth control.**

SPB – LS GSM
15A charge controller for PV lighting, MPPT algorithm – Voc 100Vdc with 12/24V self–detect, IP66 with **GSM control.**

④ Abbina il modulo FV in base alla zona.

[eng]
Match the PV module by zone.

[fra]
Faites correspondre le module PV par zone.

⑤ Abbina la batteria corrispondente.

[eng]
Match the corresponding battery.

[fra]
Faites correspondre la batterie correspondante.

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
[eng] **Product features**
[fra] **Caractéristiques du produit**

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

High efficiency LED lamps

High efficiency MPPT technology charge controller

Flux reduction self management to prevent low battery level

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

Low maintenance cost

Lampade disponibili
[eng] **Available lamps**
[fra] **Lampes disponibles**

W–Light 24N–42N LED lamp

W–Light 60N–84N LED lamp

Pag.46
(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
[eng] **Monitoring and control**
[fra] **Surveillance et contrôle**

Il lampione SSL può montare il regolatore di carica SPB–LS BT con controllo remoto Bluetooth® oppure il regolatore di carica SPB–LS GSM con modem 2G con controllo a distanza attraverso applicazione web WCloud.

The SSL streetlamp can mount the SPB–LS BT charge controller with Bluetooth® remote control or the SPB–LS GSM charge controller with 2G modem with remote control via the WCloud web application.
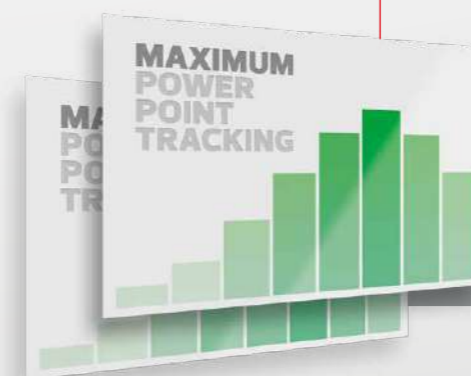
Le lampadaire SSL peut monter le contrôleur de charge SPB–LS BT avec commande à distance Bluetooth® ou le contrôleur de charge SPB–LS GSM avec modem 2G avec commande à distance via l'application Web WCloud.

MPPT technology charge controller
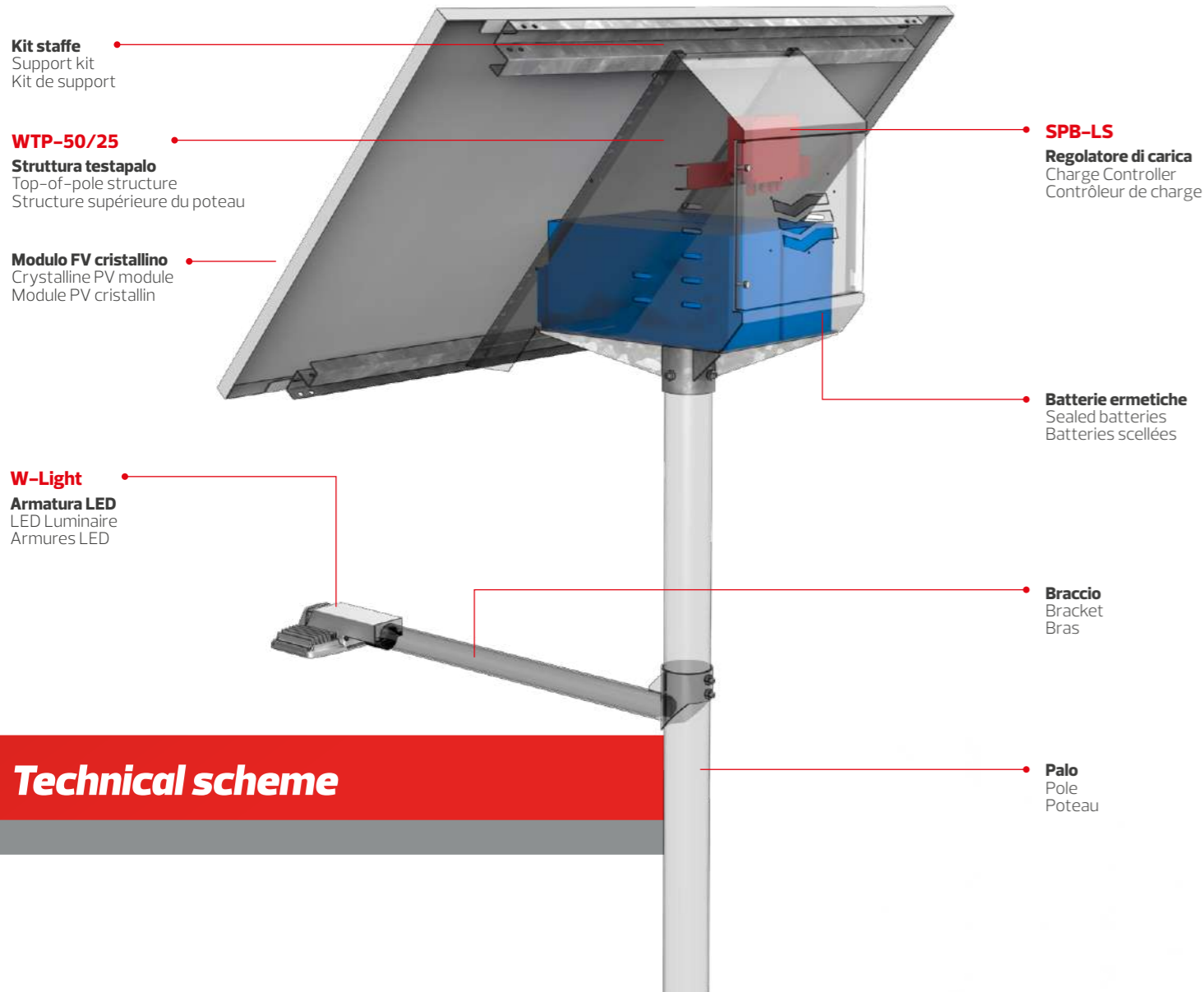Also available with BLUETOOTH and GSM versions (more info pag. 54)

MAXIMUM POWER POINT TRACKING

Caratteristiche tecniche

[eng] Technical characteristics

[fra] Caractéristiques techniques

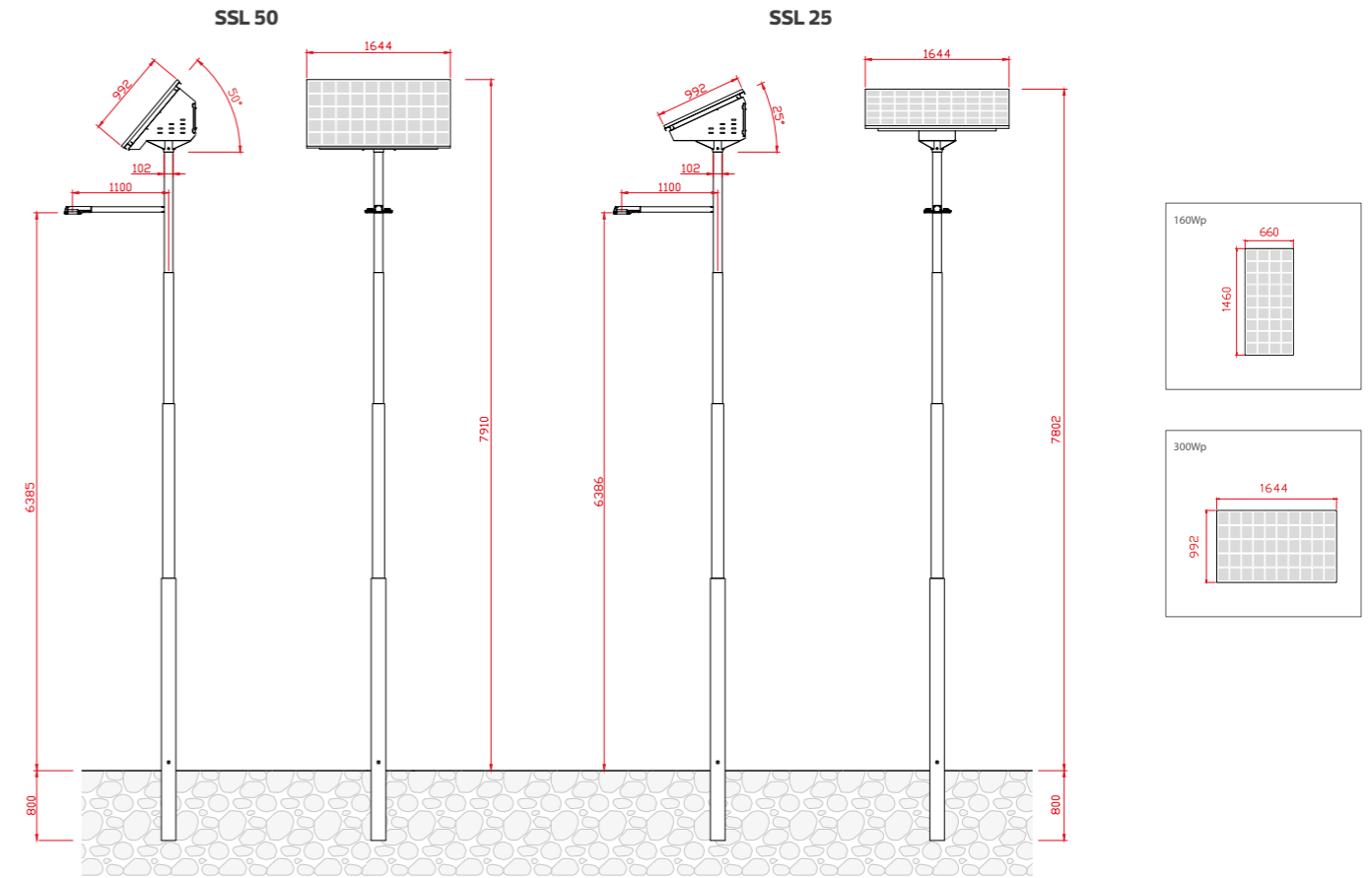|	
Pv module	160W / 300W monocristalline PERC. Two versions available with tilt angle 50° or 25° for optimum installation at different latitudes.
Battery	**Pb Gel** deep cycles >1500 (60% DOD) 12V–150Ah / 12V–200Ah / 12V–300Ah / 24V–100Ah /24V–150Ah
Charge controller	Available models:
	SPB–LS
	SPB–LS/BT **Bluetooth** connection by smartphone or PC.
	SPB–LS/GSM **2G** modem with data monitoring through Western CO. web application (WCloud).
	MPPT hight efficiency (> 95%)
Street lamp	**W–Light** Western CO. Available models: 24W 3090lm / 30W 3800lm / 36W 4360lm / 42W 5080lm / 60W 7620lm / 72W 8730lm / 84W 10160lm
Color temperature – CRI	4000K – 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: 7m high above the ground, steel made and **hot deep galvanized.**

Kit staffe
Support kit
Kit de support

WTP–50/25
Struttura testapalo
Top-of-pole structure
Structure supérieure du poteau

Modulo FV cristallino
Crystalline PV module
Module PV cristallin

W–Light
Armatura LED
LED Luminaire
Armures LED

SPB–LS
Regolatore di carica
Charge Controller
Contrôleur de charge

Batterie ermetiche
Sealed batteries
Batteries scellées

Braccio
Bracket
Bras

Palo
Pole
Poteau

Technical scheme

Dimensioni del prodotto

[eng] Product dimensions

[fra] Dimensions du produit

SSL 50

SSL 25

Realizzazioni

[eng] Realizations

[fra] Réalisations

SSL - Configurazione Italia

Usa il QRCode e configura il tuo lampione
Use the QRCode and configure your streetlamp
Utilisez le QRCode et configurez votre lampadaire

Individua la zona di installazione.

ZONA 1	
ZONA 2	SUD (Campania, Puglia, Basilicata, Calabria, Sardegna, Sicilia)
ZONA 3	CENTRO (Toscana, Marche, Umbria, Lazio, Abruzzo, Molise)
ZONA 4	NORD (Val d'Aosta, Piemonte, Liguria, Lombardia, Trentino Alto Adige, Veneto, Friuli Venezia Giulia, Emilia Romagna)
ZONA 5	

1 Seleziona la lampada LED.

NOME	NUMERO LED	POTENZA APPARECCHIO @ Tq=25°C [W]	CORRENTE LED [mA]	FLUSSO NOMINALE LED @ Tj=85°C [lm]	FLUSSO APPARECCHIO @ Tq=25°C [lm]	EFFICIENZA APPARECCHIO @ Tq=25°C [lm/W]	PESO [kg]	LATERALE/PIANTA SUPERFICIE [mm2]
W–Light 24N	12	23.0	650	3785	3090	134	6.0	0.02 / 0.10
W–Light 30N	12	29.7	820	4655	3805	128		
W–Light 36N	12	35.1	960	5338	4365	124		
W–Light 42N	12	42.5	1150	6210	5080	119		
W–Light 60N	24	59.4	820	9310	7620	128	8.3	0.03 / 0.10
W–Light 72N	24	70.0	960	10677	8734	125		
W–Light 84N	24	85.0	1150	12423	10160	119		

2 Seleziona il codice del regolatore di carica.

SPB – LS
Centralina IP66, 15A e Voc 100V con algoritmo MPPT 12V/24V.

SPB – LS BT
Centralina IP66, 15A e Voc 100V con algoritmo MPPT 12V/24V con modulo di controllo **Bluetooth**.

SPB – LS GSM
Centralina IP66, 15A e Voc 100V con algoritmo MPPT 12V/24V con modulo di controllo remoto **GSM**.

Componi il codice

① ② ③ ④

SSLxx/50/SPB–xx/PVxxx/Bxxx

MODELLO	LAMPADA LED INTELLIGENTE	BOX TESTAPALO	REGOLATORI DI CARICA			MODULO FV					CAPACITÀ BATTERIA
		WTP	SPB–LS	SPB–LS BT	SPB–LS GSM	ZONA 1	ZONA 2	ZONA 3	ZONA 4	ZONA 5	
NORD (Val d'Aosta, Piemonte, Liguria, Lombardia, Trentino Alto Adige, Veneto, Friuli Venezia Giulia, Emilia Romagna)											
SSL24–N	W–Light 24N	50	SPB–LS	SPB–LS BT	SPB–LS GSM	–	–	160Wp	300Wp*	300Wp	1x150Ah 12V
CENTRO (Toscana, Marche, Umbria, Lazio, Abruzzo, Molise)											
SSL24–C	W–Light 24N	50	SPB–LS	SPB–LS BT	SPB–LS GSM	–	160Wp	160Wp*	300Wp	–	1x150Ah 12V
SSL30–C	W–Light 30N		SPB–LS	SPB–LS BT	SPB–LS GSM	–	160Wp	300Wp*	–	–	1x150Ah 12V
SSL36–C	W–Light 36N		SPB–LS	SPB–LS BT	SPB–LS GSM	–	300Wp	300Wp*	–	–	2x100Ah 12V
SUD (Campania, Puglia, Basilicata, Calabria, Sardegna, Sicilia)											
SSL24–S	W–Light 24N	50	SPB–LS	SPB–LS BT	SPB–LS GSM	150Wp	160Wp*	160Wp	–	–	1x150Ah 12V
SSL30–S	W–Light 30N		SPB–LS	SPB–LS BT	SPB–LS GSM	150Wp	160Wp*	300Wp	–	–	1x150Ah 12V
SSL36–S	W–Light 36N		SPB–LS	SPB–LS BT	SPB–LS GSM	150Wp	300Wp*	300Wp	–	–	2x100Ah 12V
SSL42–S	W–Light 42N		SPB–LS	SPB–LS BT	SPB–LS GSM	300Wp	300Wp*	–	–	–	2x100Ah 12V
SSL60–S	W–Light 60N		SPB–LS	SPB–LS BT	SPB–LS GSM	300Wp	300Wp*	–	–	–	2x150Ah 12V

ESEMPIO DI INSTALLAZIONE A MILANO – SSL24N/50/SPB–LS BT/PV300/B1x150 :

	SSL24N	50		SPB–LS BT				300			1x150Ah 12V

* moduli FV consigliati – AUTONOMIA: 3gg consecutivi NO SUN | ACCENSIONE: 12ore/notte in modalità autogestione | INTERDISTANZA: 20÷25m

3 Abbina il modulo FV in base alla zona.

4 Abbina la batteria corrispondente.

SSL - World configuration

Usa il QRCode e configura il tuo lampione
Use the QRCode and configure your streetlamp
Utilisez le QRCode et configurez votre lampadaire

Individua la zona di installazione.

[eng] Identify the installation area.
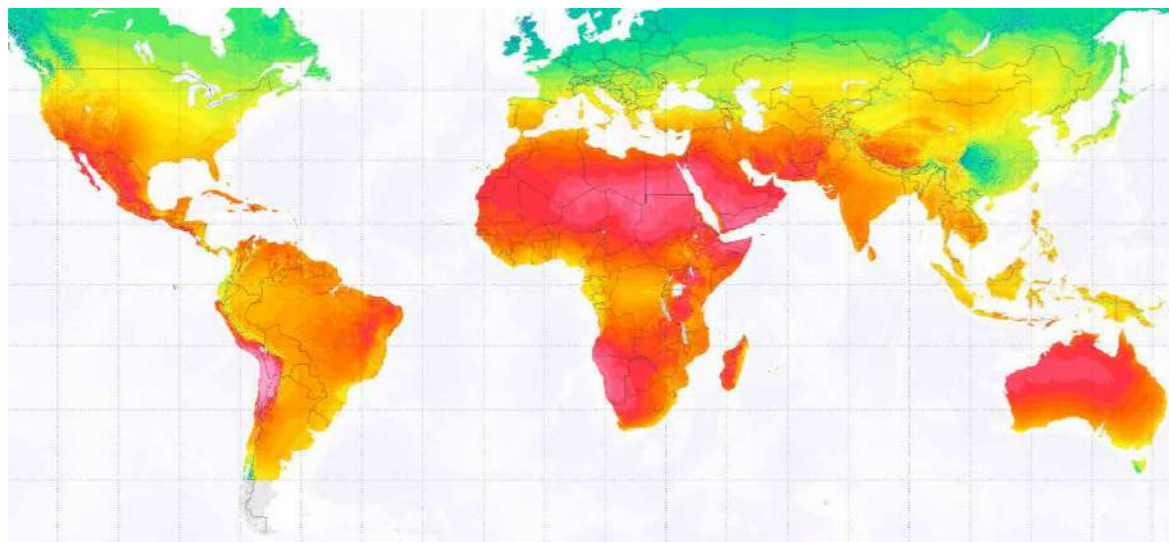
[fra] Identifier la zone d'installation.

- ZONE 1
- ZONE 2
- ZONE 3
- ZONE 4
- ZONE 5

Componi il codice

[eng] Compose the code

[fra] Composer le code

① ② ③ ④ ⑤

SSLxx/50/SPB–xx/PVxxx/Bxxx

PV STREET LIGHT		TOP OF POLE	CHARGE CONTROLLER			PV MODULE					BATTERY CAPACITY
MODEL	INTELLIGENT LED LAMP	WTP	SPB–LS	SPB–LS BT	SPB–LS GSM	ZONE 1	ZONE 2	ZONE 3	ZONE 4	ZONE 5	
SSL24	W–Light 24N					100Wp	100Wp	150Wp	150Wp	150Wp	1x100Ah–12V
SSL30	W–Light 30N					100Wp	150Wp	150Wp	250÷270Wp	250÷270Wp	1x150Ah–12V
SSL36	W–Light 36N					150Wp	150Wp	250÷270Wp	250÷270Wp	250÷270Wp	1x150Ah–12V
SSL42	W–Light 42N	25°/50°	SPB–LS	SPB–LS BT	SPB–LS GSM	150Wp	250÷270Wp	250÷270Wp	250÷270Wp	–	2x100Ah–12V
SSL60	W–Light 60N					250÷270Wp	250÷270Wp	300Wp	–	–	2x150Ah–12V
SSL72	W–Light 72N					250÷270Wp	300Wp	–	–	–	2x150Ah–12V
SSL84	W–Light 84N					250÷270Wp	300Wp	–	–	–	2x150Ah–12V
SSL2x36	2 X W–Light 36N					250÷270Wp	300Wp	–	–	–	2x150Ah–12V

EXAMPLE OF INSTALLATION ROME – SSL42/50/SPB–LS BT/PV250/B2x100 :

SSL24		50°		SPB–LS BT				250			2x100Ah–12V

ALL STREET LIGHTS: 2 days no sun | 12 hours of self–management | pole spacing 20÷25m

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① Seleziona la lampada LED.

[eng] Select the LED lamp.
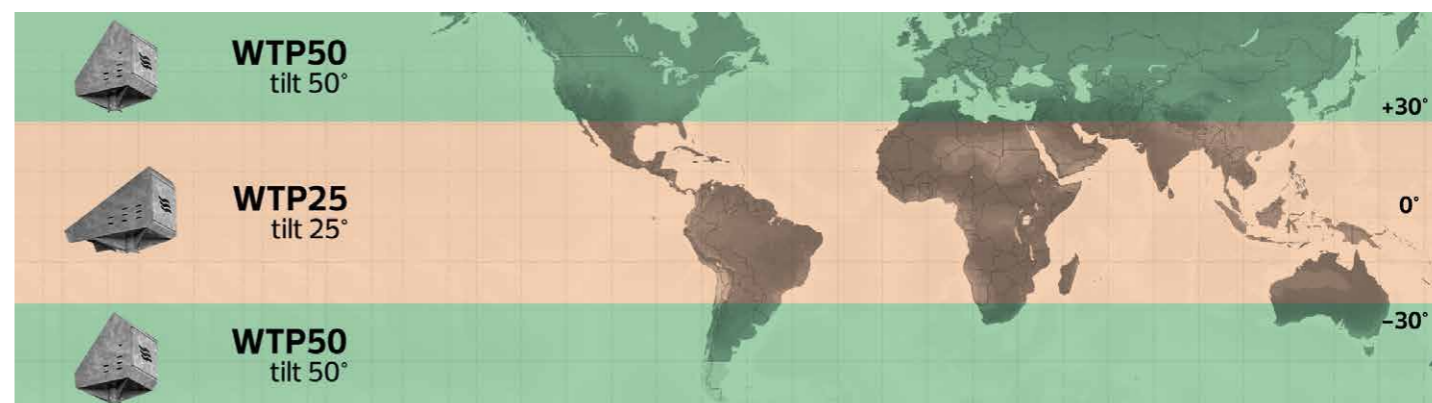
[fra] Sélectionne la lampe LED.

NAME	NUMBER OF LEDs	LUMINAIRE POWER @ Tq=25°C [W]**	LED CURRENT [mA]	NOMINAL LED FLUX @Tj=85°C [lm]*	LUMINAIRE FLUX @ Tq=25°C [lm]*	LUMINAIRE EFFICIENCY @ Tq=25°C [lm/W]**	WEIGHT [kg]	SIDE–TOP SURFACE [mm2]
W–Light 24N	12	23.0	330	3785	3090	134	6.0	0.03 / 0.10
W–Light 30N	12	29.7	400	4655	3805	128		
W–Light 36N	12	35.1	480	5338	4365	124		
W–Light 42N	12	42.5	550	6210	5080	119		
W–Light 60N	24	59.4	800	9310	7620	128	8.3	0.05 / 0.15
W–Light 72N	24	70.0	480	10677	8734	125		
W–Light 84N	24	85.0	550	12423	10160	119		

② Individua l'inclinazione in base alla mappa.

[eng] Choose the tilt according to the map.

[fra] Repère l'inclinaison par carte.

WTP50 tilt 50°   +30°
WTP25 tilt 25°   0°
WTP50 tilt 50°   –30°

③ Seleziona il codice del regolatore di carica.

[eng] Select the charge controller code.

[fra] Sélectionne le code du régulateur de charge.

SPB – LS
15A charge controller for PV lighting, MPPT algorithm – Voc 100Vdc with 12/24V self–detect, IP66.

SPB – LS BT
15A charge controller for PV lighting, MPPT algorithm – Voc 100Vdc with 12/24V self–detect, IP66 with **Bluetooth control.**

SPB – LS GSM
15A charge controller for PV lighting, MPPT algorithm – Voc 100Vdc with 12/24V self–detect, IP66 with **GSM control.**

④ Abbina il modulo FV in base alla zona.

[eng] Match the PV module by zone.

[fra] Faites correspondre le module PV par zone.

⑤ Abbina la batteria corrispondente.

[eng] Match the corresponding battery.

[fra] Faites correspondre la batterie correspondante.

Street lighting

PV solution for road applications

GLOBE XL

GLOBE XL

Descrizione prodotto

Lampione ad alimentazione fotovoltaica per illuminazione di strade e parcheggi con design compatto e struttura in acciaio verniciato per installazione in zone di pregio. Disponibile in due colori: bianco o grigio micaceo. Monta una batteria al piombo Gel o LiFePO$_4$ e lampada a LED ad alta efficienza disponibile in diverse taglie per adattarsi ad installazioni in tutto il mondo.

[eng]

Product description

Photovoltaic powered streetlamp for street and parking lighting with compact design and painted steel structure for installation in prestigious areas. Available in two colors: white or micaceous gray. It mounts a gel lead or LiFePO$_4$ battery and a high efficiency LED luminaire available in different sizes to adapt to installations all over the world.

[fra]

Description du produit

Lampadaire photovoltaïque pour l'éclairage des rues et des parkings avec un design compact et une structure en acier peint pour une installation dans des zones prestigieuses. Disponible en deux couleurs: blanc ou gris micacé. Il monte une batterie au plomb gel ou LiFePO$_4$ et une lampe LED à haute efficacité disponible en différentes tailles pour s'adapter aux installations du monde entier.

GLOBE XL –WHITE

GLOBE XL –BLACK

Caratteristiche prodotto

Pb Li Long life (>1500 cycles 50% DOD) deep cycles Pb GEL battery or LiFePO$_4$ battery long life and high performance

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

Installation on valuable places

Lampade disponibili

[eng] **Available lamps**

[fra] **Lampes disponibles**

W–Light 24N–42N
LED lamp

W–Light 60N–84N
LED lamp

Pag.46
(Maggiori informazioni – More info – Plus d'informations)

Batterie disponibili

[eng] **Available batteries**

[fra] **Batteries disponibles**

200Ah – Pb Gel
Battery capacity

100Ah – LiFePO$_4$
Battery capacity

Monitoraggio e Controllo

Il lampione Globe XL può montare o il regolatore di carica SPB–LS/BT con controllo remoto Bluetooth® oppure con regolatore di carica SPB–LS/GSM con modem 2G per controllo a distanza attraverso applicazione web WCloud.

[eng]

Monitoring and control

The Globe XL streetlamp can mount the SPB–LS BT charge controller with Bluetooth® remote control or the SPB–LS GSM charge controller with 2G modem with remote control via the WCloud web application.
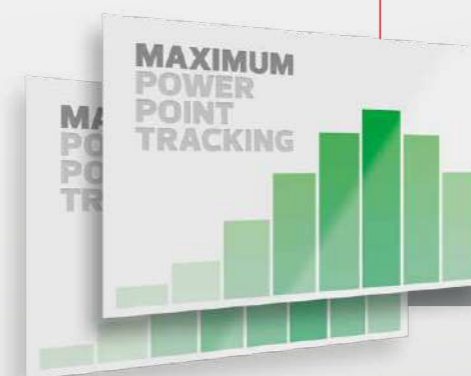
[fra]

Surveillance et contrôle

Le lampadaire Globe XL peut être équipé soit du contrôleur de charge SPB–LS / BT avec commande à distance Bluetooth®, soit du contrôleur de charge SPBLS / GSM avec modem 2G pour commande à distance via l'application Web WCloud.

MPPT technology charge controller

Also available with BLUETOOTH and GSM versions (more info pag. 54)

MAXIMUM POWER POINT TRACKING

Caratteristiche tecniche   *[eng]* Technical characteristics   *[fra]* Caractéristiques techniques

Pv module	300W monocristalline PERC. Adjustable tilt angle 50° or 25° for optimum installation at different latitudes.
Battery	2x12V 100Ah **Pb Gel** deep cycles > 1500 (60% DOD) or 1x12V 100Ah **LiFePO$_4$** > 3500 cycles (80% DOD).
Charge controller	Available models:
	SPB-LS
	SPB-LS/BT **Bluetooth** connection by smartphone or PC.
	SPB-LS/GSM **2G** modem with data monitoring through Western CO. web application (WCloud).
	MPPT high efficiency (> 95%)
Street lamp	**W-Light** Western CO. Available models: 24W 3090lm / 30W 3800lm / 36W 4360lm / 42W 5080lm / 60W 7620lm / 72W 8730lm / 84W 10160lm
Color temperature – CRI	4000K – 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 treated with cataphoresis process and painted. Available in two colors, **white** or **micaceous gray**. Wind load resistance in accordance to **Eurocode 0-1-3** and production compliant to **EN1090-2**. Pole: 7m high above the ground, steel made and **hot deep galvanized.**

Dimensioni del prodotto   *[eng]* Product dimensions   *[fra]* Dimensions du produit

Realizzazioni   *[eng]* Realizations   *[fra]* Réalisations

Kit staffe
Support kit
Kit de support

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

Modulo FV cristallino
Crystalline PV module
Module PV cristallin

SPB-LS
Regolatore di carica
Charge Controller
Contrôleur de charge

Batterie ermetiche
Sealed batteries
Batteries scellées

W-Light
Armatura LED
LED Luminaire
Armures LED

Braccio
Bracket
Bras

Palo
Pole
Poteau

Technical scheme

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 cilci 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).

SPL12-W | SPL18-W | SPL18-W-Li

Caratteristiche prodotto

[eng]
Product features

[fra]
Caractéristiques du produit

Long life (>1500 cycles 50% DOD) deep cycles Pb Gel battery or LiFePO$_4$ battery long life and high performance

High efficiency LED lamps

High reliability PWM technology charge controller

Flux reduction self management to prevent low battery level

Easy to install and maintenance

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

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Lampade disponibili

[eng] **Available lamps**

[fra] **Lampes disponibles**

W–Light 12N
LED lamp
SPL12-W

W–Light 18N
LED lamp
SPL18-W

Pag.46
(Maggiori informazioni – More info – Plus d'informations)

Batterie disponibili

[eng] **Available batteries**

[fra] **Batteries disponibles**

60Ah – Pb Gel
SPL12-W
SPL18-W

60Ah – LiFePO$_4$
SPL18-W-Li

Controllo

[eng]
Control

[fra]
Contrôle

Regolatore PWM specifico per illuminazione a LED 10A – IP56. Disponibile in due versioni per batterie a Piombo (SPC07-IP) e per batterie LiFePO$_4$ (SPC07-IP LiFePO$_4$).
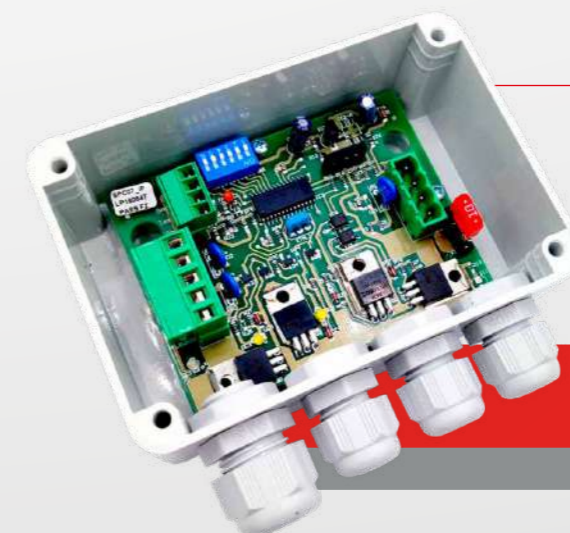
Specific PWM controller for LED lighting 10A – IP56. Available in two versions for lead batteries (SPC07-IP) and for LiFePO$_4$ batteries (SPC07-IP LiFePO$_4$).

Régulateur PWM spécifique pour éclairage LED 10A – IP56. Disponible en deux versions pour les batteries au plomb (SPC07-IP) et pour les batteries LiFePO$_4$ (SPC07-IP LiFePO$_4$)

SPC07 - IP

Available in two versions for lead batteries and for LiFePO$_4$ batteries

Caratteristiche tecniche

[eng] Technical characteristics

[fra] Caractéristiques techniques

Pv module	100W monocristalline. 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.
	1x60Ah **LiFePO$_4$** >3500 cycles (80%DOD) for **SPL18–W–Li** model.
Charge controller	Available models:
	SPC07IP
	SPC07IP–LiFePO$_4$
Street lamp	**W–Light** Western CO. Available models: 12W 1630lm / 18W 2332lm
Color temperature – CRI	4000K – CRI>70
Optic	Asymmetric, suitable for gardens, parks, walkways, bicycle lanes, parking areas. PMMA material protected by flat glass.
Mechanical parts	Top of pole battery box steel made treated with cataphoresis process and **micaceous gray** painted. Wind load resistance in accordance to **Eurocode 0–1–3** and production compliant to **EN1090–2**. Pole: 7m high above the ground, steel made, **hot deep galvanized** and **micaceous 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

Braccio
Bracket
Bras

W–Light
Armatura LED
LED Luminaire
Armures LED

SPC07–IP
Regolatore di carica
Charge Controller
Contrôleur de charge

Batterie ermetiche
Sealed batteries
Batteries scellées

Palo
Pole
Poteau
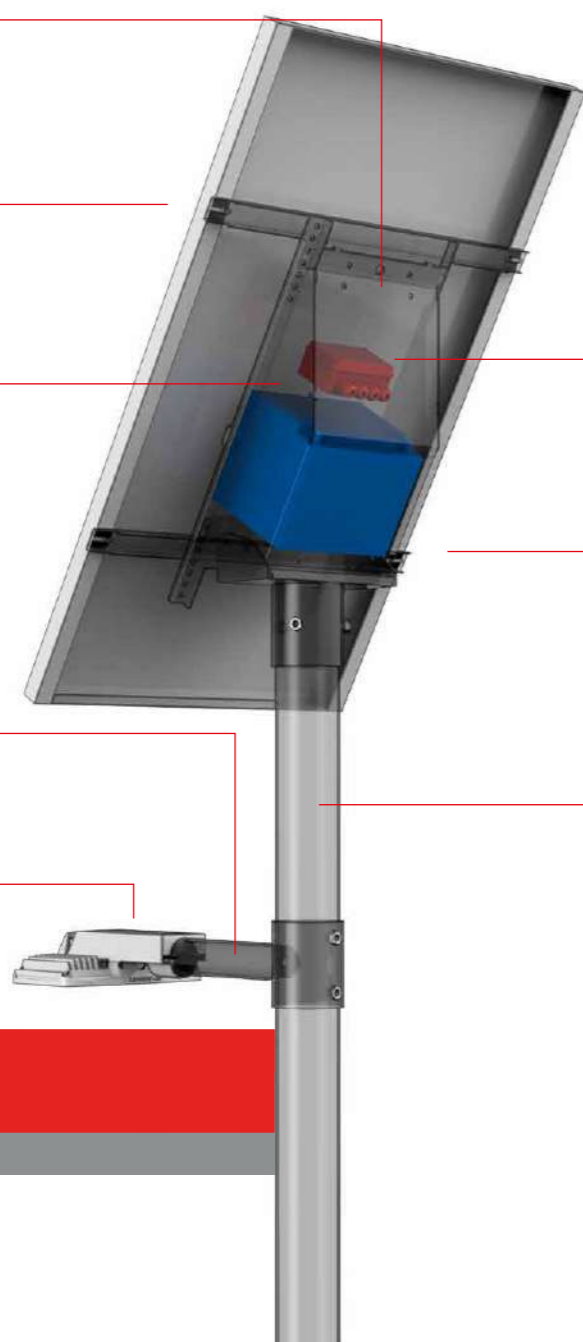
Technical scheme

Dimensioni del prodotto

[eng] Product dimensions

[fra] Dimensions du produit
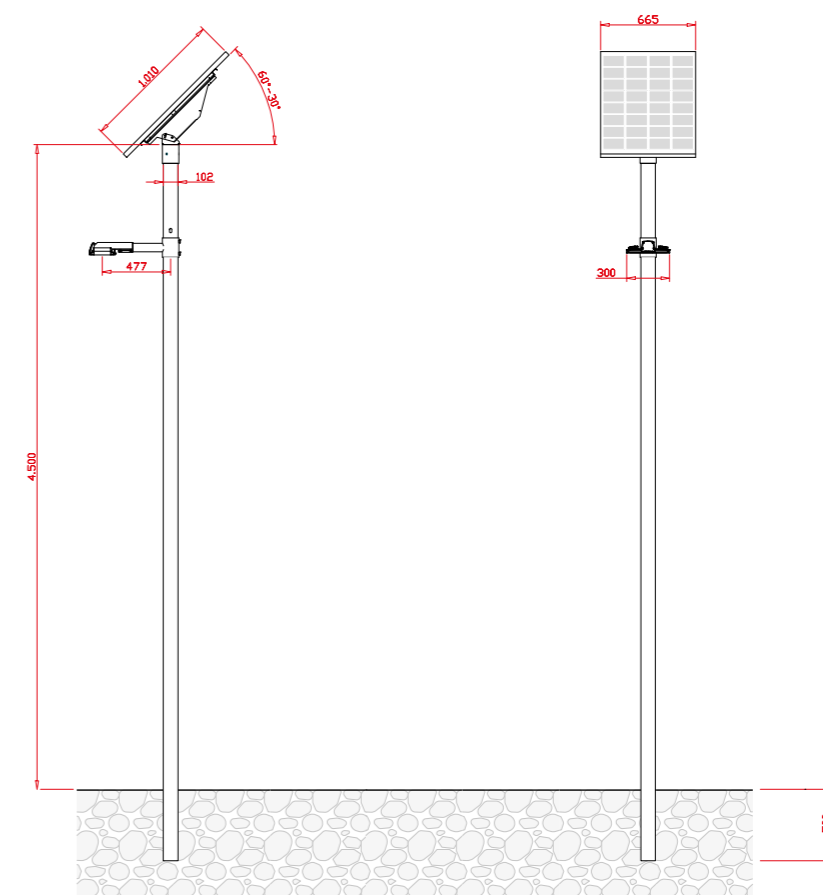
Realizzazioni

[eng] Realizations

[fra] Réalisations
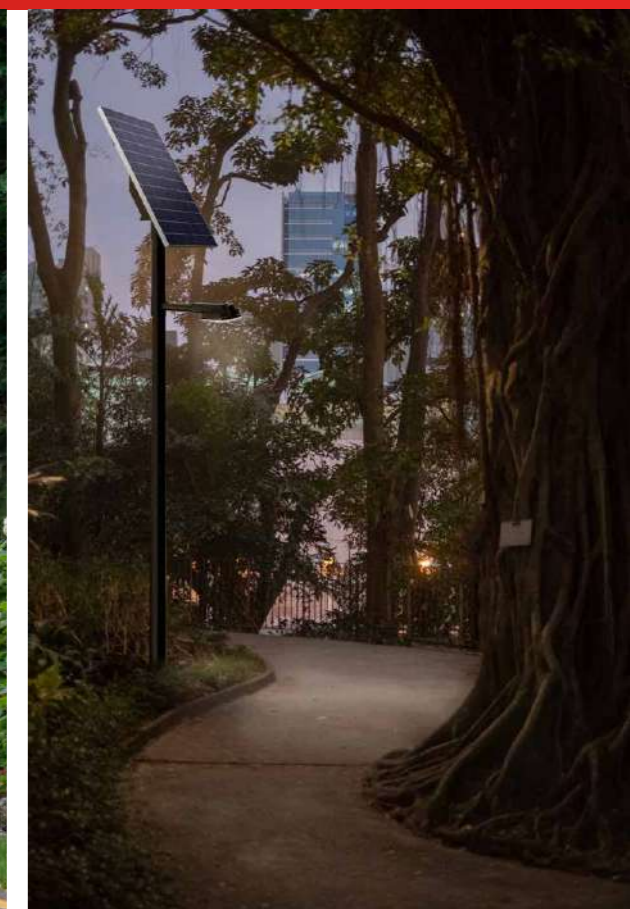
Parks and gardens lighting

PV solution for urban applications

GLOBE

GLOBE

Descrizione prodotto

Lampione ad alimentazione fotovoltaica per illuminazione di giardini, parchi, marciapiedi, piste ciclabili. Dal design compatto e struttura in acciaio verniciato per installazione in zone di pregio. Disponibile in due colori: bianco o grigio micaceo. Installa batteria al Piombo Gel o LiFePO$_4$ e un sensore a infrarossi 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 (tale funzionalità non è disponibile per la versione Globe Entry).

[eng]

Product description

Photovoltaic powered streetlamp for lighting gardens, parks, sidewalks and cycle paths. Compact design and painted steel structure for installation in prestigious areas. Available in two colors: white or micaceous grey. The streetlamp uses a lead gel or LiFePO$_4$ battery and an infrared sensor which, by detecting the presence of people near the streetlamp, increases the brightness of the luminaire in order to improve visual comfort while keeping energy consumption low (this functionality is not available for the Globe Entry version).

[fra]

Product description

Lampadaire photovoltaïque pour l'éclairage de jardins, parcs, trottoirs, pistes cyclables. Conception compacte et structure en acier peint pour une installation dans des zones prestigieuses. Disponible en deux couleurs: blanc ou gris micacé. Il installe une batterie au plomb gel ou LiFePO$_4$ et un capteur infrarouge 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 conservant la contenu la consommation d'énergie (cette fonctionnalité n'est pas disponible pour la version Globe Entry).

Sensore IR
IR sensor
Sonde IR

GLOBE ENTRY WHITE – BLACK

GLOBE STANDARD WHITE – BLACK

Caratteristiche prodotto

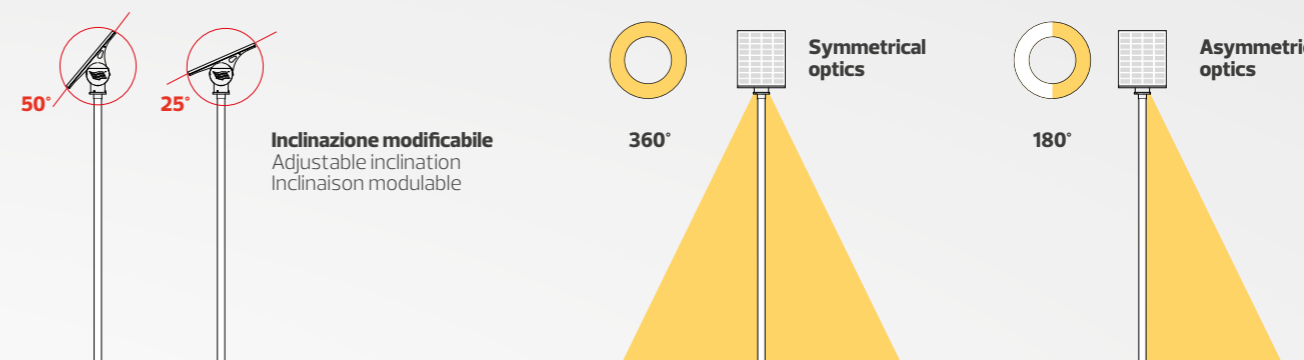**Pb Li** — Long life (>1500 cycles 50% DOD) deep cycles Pb GEL battery or LiFePO$_4$ battery long life and high performance

High efficiency LED lamps

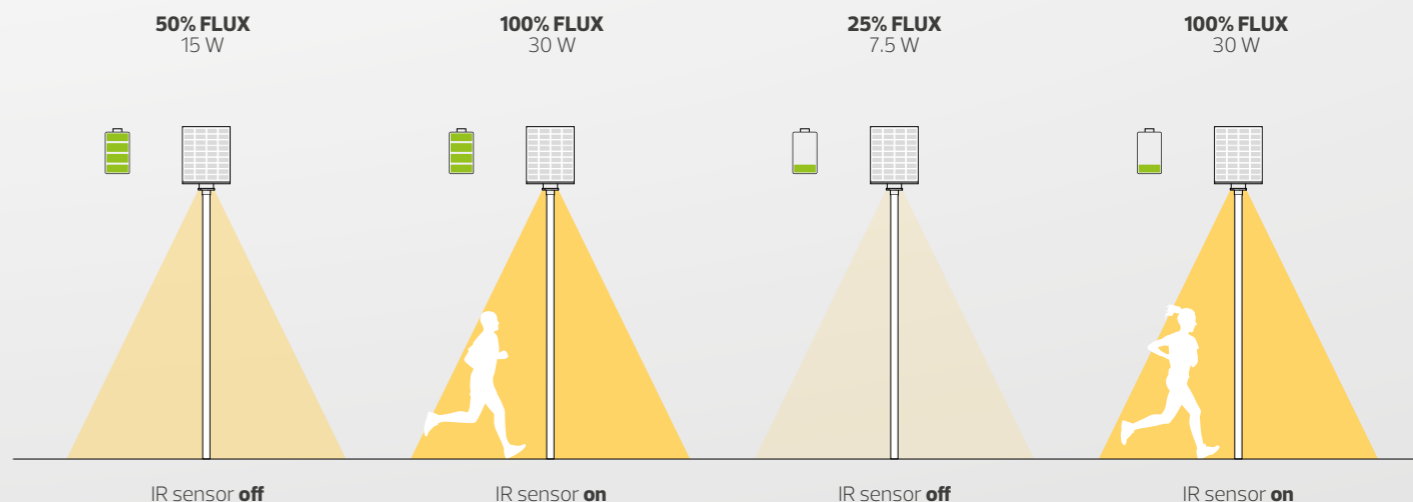*[eng]*
Product features

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

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

50°   25°

Inclinazione modificabile
Adjustable inclination
Inclinaison modulable

Symmetrical optics
360°

Asymmetric optics
180°

50% FLUX
15 W

25% FLUX
7.5 W

50% FLUX
15 W

100% FLUX
30 W

25% FLUX
7.5 W

100% FLUX
30 W

IR sensor **off**   IR sensor **on**   IR sensor **off**   IR sensor **on**

Caratteristiche tecniche

[eng] Technical characteristics

[fra] Caractéristiques techniques

Pv module	100W monocristalline. Adjustable tilt angle 50° or 25° for optimum installation at different latitudes.
Battery	1x12V 100Ah **Pb Gel** deep cycles > 1500 (60% DOD) or 1x12V 100Ah **LiFePO$_4$** > 3500 cycles (80% DOD).
Charge controller	Available models: GLOBE-TRONIC MPPT high efficiency (> 95%)
Street lamp	LED Modules: **15W/1310lm** or **30W/2620lm** when IR (infrared) presence sensor reveals the presence of a person (this functionality is not available Globe Entry version).
Color temperature – CRI	4000K – CRI>70
Optic	Internally selectable: asymmetric / symmetric. Suitable for gardens, parks, sidewalks, bicycle lanes, parking areas. PMMA material protected by flat polycarbonate.
Light control	Self-management flux reduction to maximize lamp operation during cloudy days.
Mechanical parts	Top of pole battery box steel made treated with cataphoresis process and painted. Available in two colors, **white** or **micaceous gray**. Wind load resistance in accordance to **Eurocodice 0-1-3** and production compliant to **EN1090-2**. Pole: 7m high above the ground, steel made, **hot deep galvanized** and **white** or **micaceous gray** painted.

Kit staffe
Support kit
Kit de support

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

Modulo FV cristallino
Crystalline PV module
Module PV cristallin

Sensore IR (disponibile su Globe standard)
IR sensor (available on Globe standard)
Capteur IR (disponible sur Globe standard)

Batterie ermetiche
Sealed batteries
Batteries scellées

GLOBE-TRONIC
Regolatore di carica
Charge Controller
Contrôleur de charge

Sensore IR (disponibile su Globe standard)
IR sensor (available on Globe standard)
Capteur IR (disponible sur Globe standard)
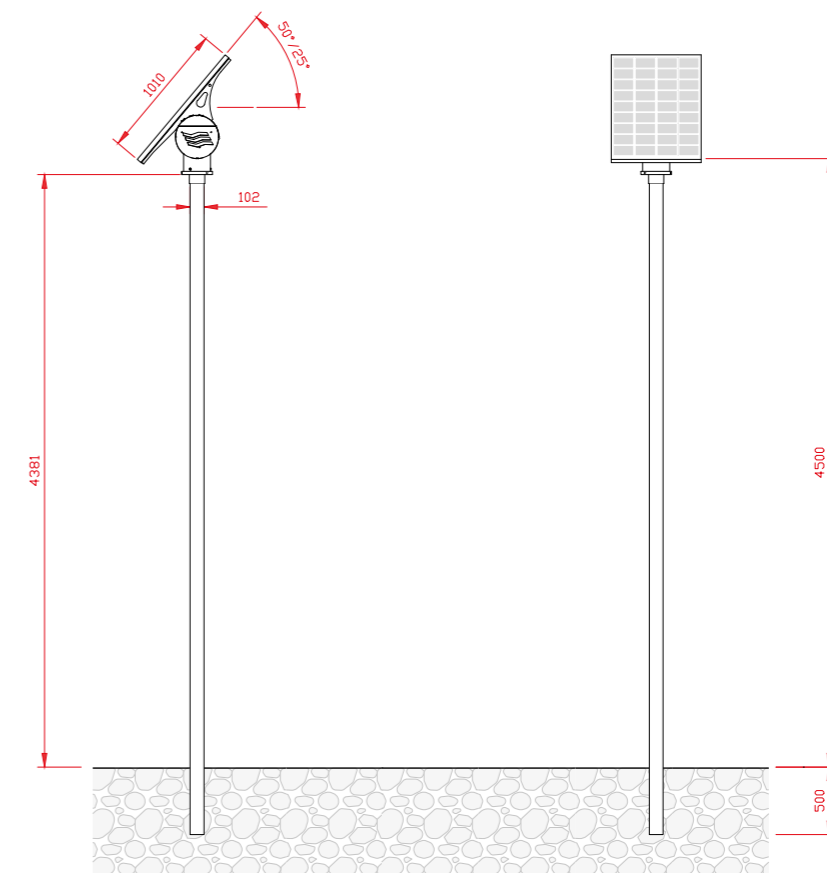
Palo
Pole
Poteau

Technical scheme
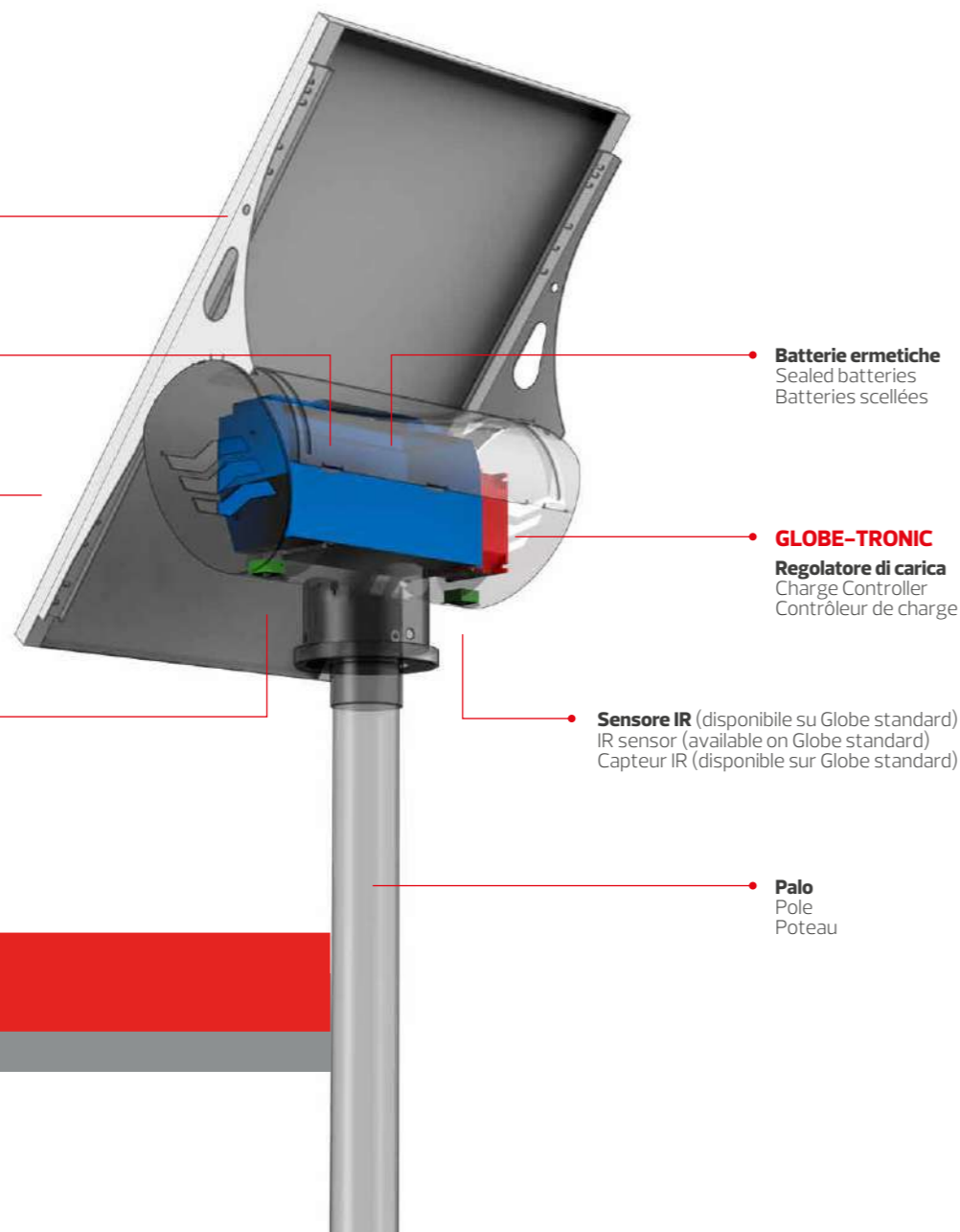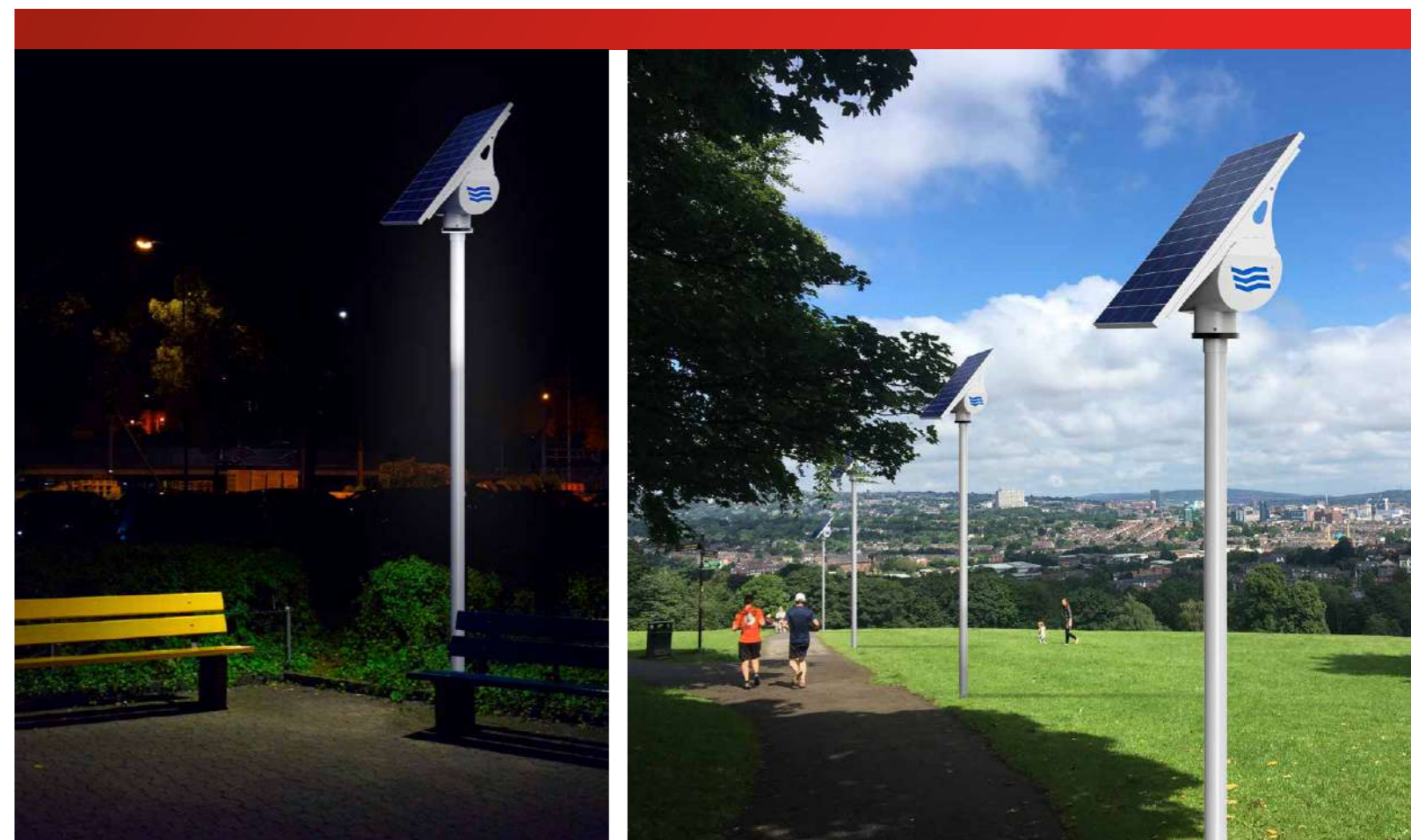
Dimensioni del prodotto

[eng] Product dimensions

[fra] Dimensions du produit

Realizzazioni

[eng] Realizations

[fra] Réalisations

W-Light
High efficiency LED lighting appliance

Descrizione prodotto

W–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

W–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

W–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

[eng]
General features

[fra]
Caractéristiques générales

LED driver with ceramic capacitors

Tempered glass

Extruded aluminum body

IP65 with moisture extractor

Self–management algorithm

Different optics in PMMA

Efficiency range Lumen/Watt 120÷138

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

12-24 Battery voltage 12 / 24V

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

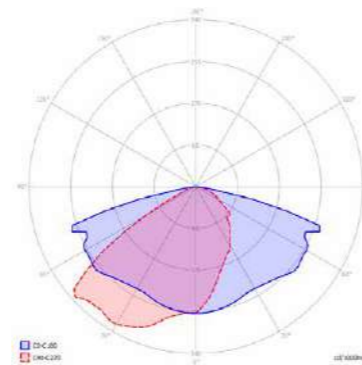III Class of insulation

Compliant to EN 13201

W-Light
S-B / S / M / L

W-Light S-B (Small-Black)

Versione con attacco a braccio tondo D60mm

[eng]
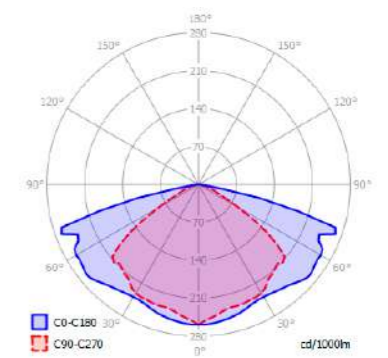Version with D60mm round arm coupler

[fra]
Version avec connexion à bras rond D60mm

Versione con attacco a parete

[eng]
Version with wall coupler

[fra]
Version avec fixation murale

NAME	NUMBER OF LEDs	COLOR TEMPERATURE / CRI	LUMINAIRE POWER @ Tq=25°C [W]	LED CURRENT [mA]	NOMINAL LED FLUX @ Tj=85°C [lm]	LUMINAIRE FLUX @ Tq=25°C [lm]	LUMINAIRE EFFICIENCY @ Tq=25°C [lm/W]	WEIGHT [kg]
W-Light 12N*	12	4000K / >70	11.8	330	1992	1630	138	6.0
W–Light 18N*	12	4000K / >70	17.4	480	2851	2332	134	

*alimentazione solo a 12V

NAME	NUMBER OF LEDs	COLOR TEMPERATURE / CRI	LUMINAIRE POWER @ Tq=25°C [W]	LED CURRENT [mA]	NOMINAL LED FLUX @ Tj=85°C [lm]	LUMINAIRE FLUX @ Tq=25°C [lm]	LUMINAIRE EFFICIENCY @ Tq=25°C [lm/W]	WEIGHT [kg]
BILLBOARD 12*	12	4000K / >70	11.8	330	1992	1630	138	6.0
BILLBOARD 18*	12	4000K / >70	17.4	480	2851	2332	134	

*alimentazione solo a 12V

W-Light S (Small)

Versione con attacco a braccio tondo D60mm. Colore grigio alluminio

[eng]
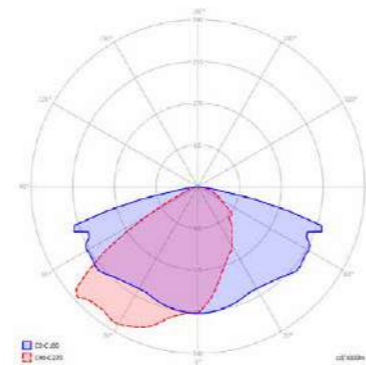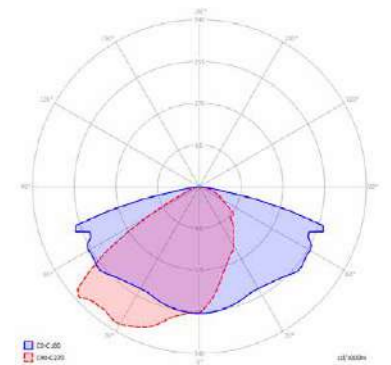Version with D60mm round arm coupler. Aluminium grey colour

[fra]
Version avec fixation à bras rond D60mm. Couleur gris aluminium
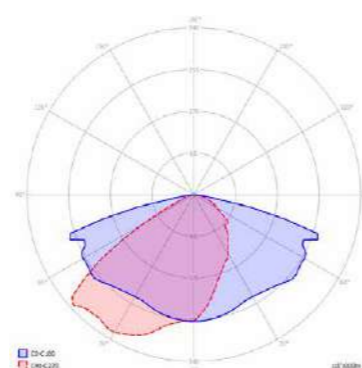
Versione con attacco a zanca per aggancio a palo D60–102mm oppure a parete. Colore grigio alluminio

[eng]
Version with coupler with clamps for fixing to pole D60–102mm or on the wall. Aluminium grey colour

[fra]
Version avec support pour fixation au po–teau D60–102mm ou au mur. Couleur gris aluminium
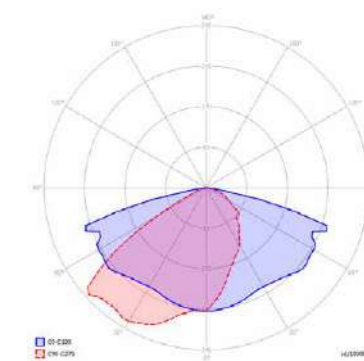
NAME	NUMBER OF LEDs	COLOR TEMPERATURE / CRI	LUMINAIRE POWER @ Tq=25°C [W]	LED CURRENT [mA]	NOMINAL LED FLUX @ Tj=85°C [lm]	LUMINAIRE FLUX @ Tq=25°C [lm]	LUMINAIRE EFFICIENCY @ Tq=25°C [lm/W]	WEIGHT [kg]
W–Light 24N	12	4000K / >70	23.0	650	3785	3090	134	
W–Light 30N	12	4000K / >70	29.7	820	4655	3805	128	
W–Light 36N	12	4000K / >70	35.1	960	5338	4365	124	
W–Light 42N	12	4000K / >70	42.5	1150	6210	5080	119	
W–Light 24N/3000K	12	3000K / >70	24,7	650	2956	2600	105	6.0
W–Light 30N/3000K	12	3000K / >70	31,3	820	3442	2994	96	
W–Light 36N/3000K	12	3000K / >70	37,4	960	3757	3270	88	
W–Light 42N/3000K	12	3000K / >70	43,1	1150	4350	3785	88	

NAME	NUMBER OF LEDs	COLOR TEMPERATURE / CRI	LUMINAIRE POWER @ Tq=25°C [W]	LED CURRENT [mA]	NOMINAL LED FLUX @ Tj=85°C [lm]	LUMINAIRE FLUX @ Tq=25°C [lm]	LUMINAIRE EFFICIENCY @ Tq=25°C [lm/W]	WEIGHT [kg]
WLK 12N*	12	4000K / >70	11.8	330	1992	1630	138	6.0
WLK 18N*	12	4000K / >70	17.4	480	2851	2332	134	

*alimentazione solo a 12V

W-Light M (Medium)

Versione con attacco a braccio tondo D60mm. Colore grigio alluminio

[eng]
Version with D60mm round arm coupler. Aluminium grey colour

[fra]
Version avec fixation à bras rond D60mm. Couleur gris aluminium

NAME	NUMBER OF LEDs	COLOR TEMPERATURE / CRI	LUMINAIRE POWER @ Tq=25°C [W]	LED CURRENT [mA]	NOMINAL LED FLUX @ Tj=85°C [lm]	LUMINAIRE FLUX @ Tq=25°C [lm]	LUMINAIRE EFFICIENCY @ Tq=25°C [lm/W]	WEIGHT [kg]
W–Light 60N	24	4000K / >70	59.4	820	9310	7620	128	
W–Light 72N	24	4000K / >70	70.0	960	10677	8734	125	8.3
W–Light 84N	24	4000K / >70	85.0	1150	12423	10160	119	

W-Light L (Large)

Versione con attacco a braccio tondo D60mm. Colore grigio alluminio

[eng]
Version with D60mm round arm coupler. Aluminium grey colour

[fra]
Version avec fixation à bras rond D60mm. Couleur gris aluminium

NAME	NUMBER OF LEDs	COLOR TEMPERATURE / CRI	LUMINAIRE POWER @ Tq=25°C [W]	LED CURRENT [mA]	NOMINAL LED FLUX @ Tj=85°C [lm]	LUMINAIRE FLUX @ Tq=25°C [lm]	LUMINAIRE EFFICIENCY @ Tq=25°C [lm/W]	WEIGHT [kg]
W–Light 100N	36	4000K / >70	96.1	880	14901	12190	127	10.1
W–Light 130N	36	4000K / >70	127.8	1150	18710	15305	120	

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.

Charge controllers
Especially designed for PV lighting

Descrizione prodotto

Regolatori di carica per lampioni fotovoltaici stradali. Disponibili nella versione base, con interfaccia utente Bluetooth® o con controllo remoto GSM.

[eng]
Product description

Charge controllers for photovoltaic streetlamps. Available in the basic version, with Bluetooth® user interface or with GSM remote control.

[fra]
Description du produit

Régulateurs de charge pour lampadaires photovoltaïques. Disponible dans la version de base, avec interface utilisateur Bluetooth® ou avec commande à distance GSM.

Caratteristiche generali

MPPT charge

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

[eng]
General features

Pb Li Battery Pb AGM/GEL or lithium

IP66 Alluminium enclosure

[fra]
Caractéristiques générales

Self–management lamp flux

Pre–assembled cables

PRODUCTION	20,251 kWh	
CONSUMPTION	17,497 kWh	
BATTERY (Pb)	0,993 kWh	
HOUR METER LOAD	247 h	
NIGHT/DAY CYCLES COUNT	32	

Low Battery	Overvoltage	Overtemp.	Overload
2		0	1
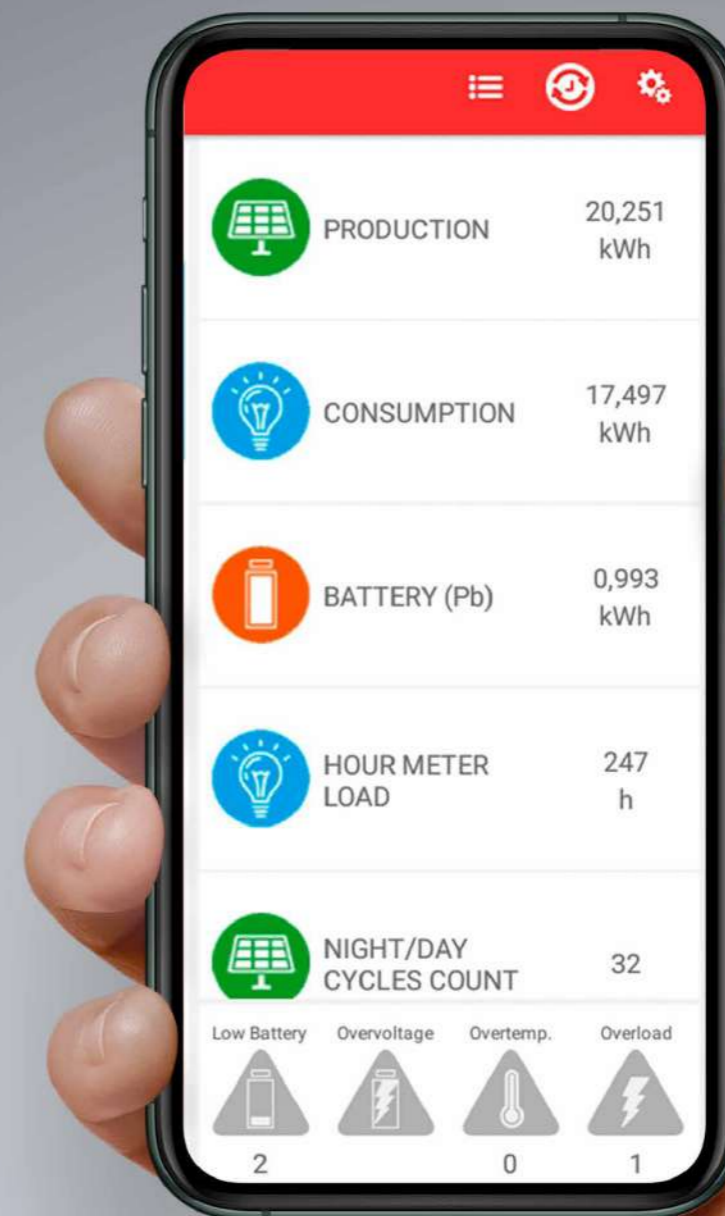
SPB-LS | SPB-LS BT | SPB-LS GSM

SPB-LS

Descrizione prodotto

Ricarica MPPT 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

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

SPB-LS BT

Descrizione prodotto

Aggiunge al regolatore SPB-LS un'interfaccia utente (UI) attraverso app Android® 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

Adds a user interface (UI) to the SPB-LS controller via an Android® 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

Ajoute une interface utilisateur (UI) au contrôleur SPB-LS via une application Android® 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 PV Lighting

App PV Lighting

SPB-LS GSM

Descrizione prodotto

Aggiunge al regolatore SPB-LS un modem che attraverso la rete cellulare mobile (2G) 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

Adds a modem to the SPB-LS controller that connects the streetlamp to the Internet via the mobile phone network (2G) 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

Ajoute un modem au régulateur SPB-LS qui connecte le lampadaire à Internet via le réseau portable mobile (2G) 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
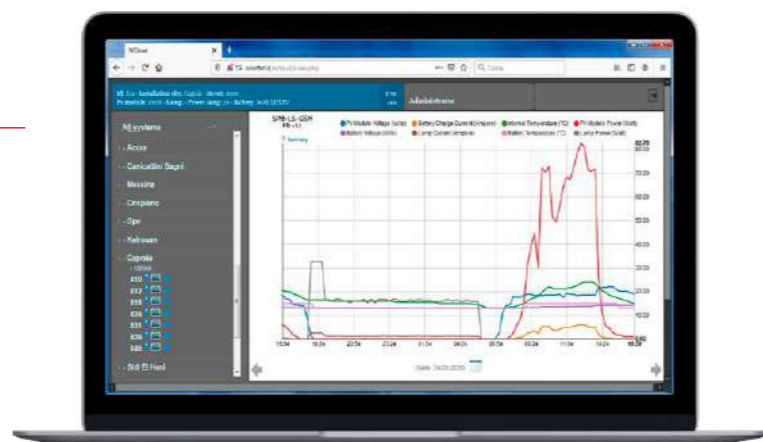
Remote Monitoring

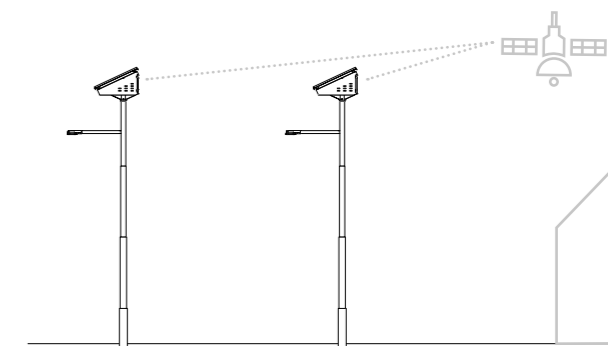| Regolatore di carica Charge Controller Contrôleur de charge	Tipologia di manutenzione Type of maintenance Type d'entretien		
SPB-LS	**Manutenzione classica: richiede accesso al vano batteria** Classic maintenance: requires access to the battery compartment Entretien classique: nécessite l'accès au compartiment de la batterie		
SPB-LS BT	**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-LS GSM	**Manutenzione semplificata: accesso ai parametri di funzionamento del sistema da remoto tramite portale web WCloud** Simplified maintenance: remote access to the operating parameters of the system via the WCloud web portal Maintenance simplifiée: accès à distance aux paramètres de fonctionnement du système via le portail web WCloud		
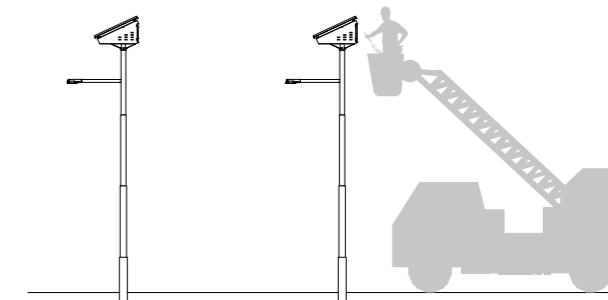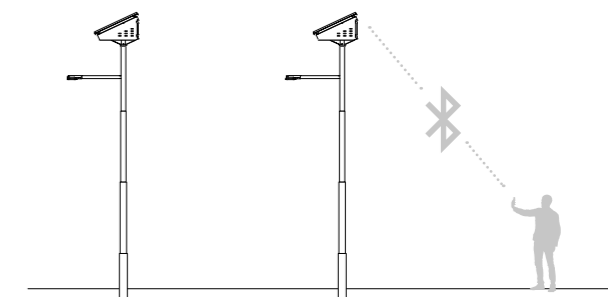
Other applications

PV solutions

ENTRY PV KIT - ENTRY FLASH LAMP WLB

ENTRY PV KIT

Caratteristiche prodotto

[eng]
Product features

[fra]
Caractéristiques du produit

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

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

Lead Acid Battery
GEL 58Ah / LiFePo₄ 60Ah

PWM Charge Controller

IP 65 with moisture extractor

Insulation class

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.

Modulo FV cristallino
Crystalline PV module
Module PV cristallin

Kit staffe
Support kit
Kit de support

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

Batterie ermetiche
Sealed batteries
Batteries scellées

SPC07–IP
Regolatore di carica
Charge Controller
Contrôleur de charge

Palo
Pole
Poteau

Braccio
Bracket
Bras

W–Light
Armatura LED
LED Luminaire
Armures LED

Lampade disponibili

[eng] **Available lamps**
[fra] **Lampes disponibles**

W–Light 12N
LED lamp

W–Light 18N
LED lamp

Pag.46
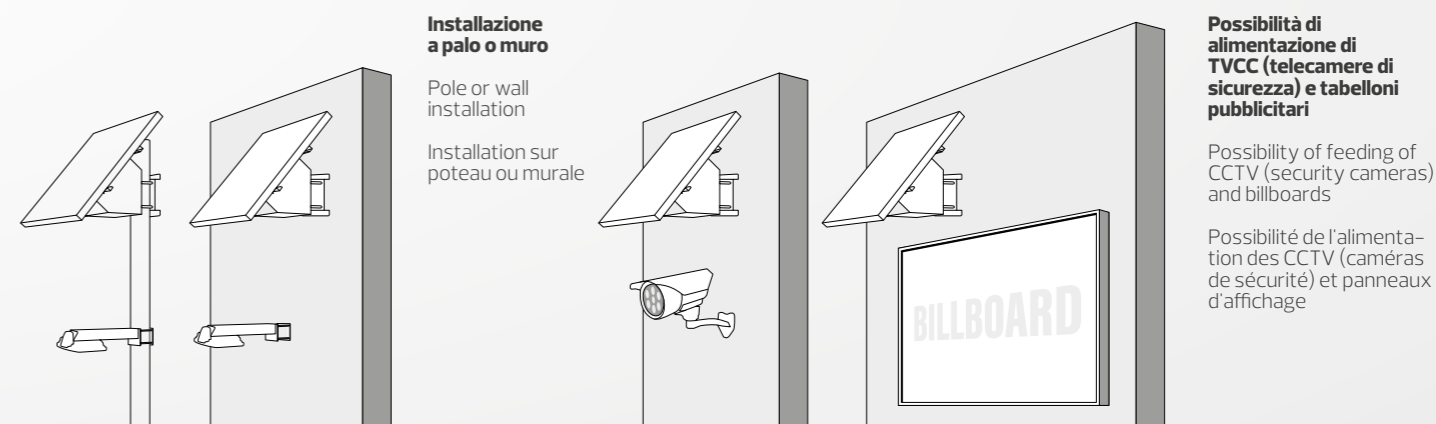(Maggiori informazioni – More info – Plus d'informations)

Batterie disponibili

[eng] **Available batteries**
[fra] **Batteries disponibles**

60Ah Pb GEL / 60Ah LiFePO₄
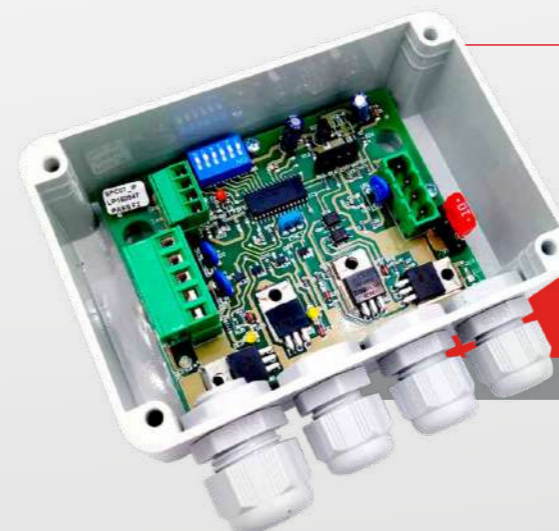Battery capacity

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'alimentation des CCTV (caméras de sécurité) et panneaux d'affichage

BILLBOARD

SPC07 - IP

Specific PWM controller for LED lighting 10A – IP56. Available in two versions for lead batteries (SPC07–IP) and for LiFePO₄ batteries (SPC07–IP LiFePO₄).

ENTRY FLASH LAMP

Descrizione prodotto

Lampada lampeggiante ad alimentazione fotovoltaica stand-alone utilizzata per la segnalazione di pericoli o cantieri lungo le strade.
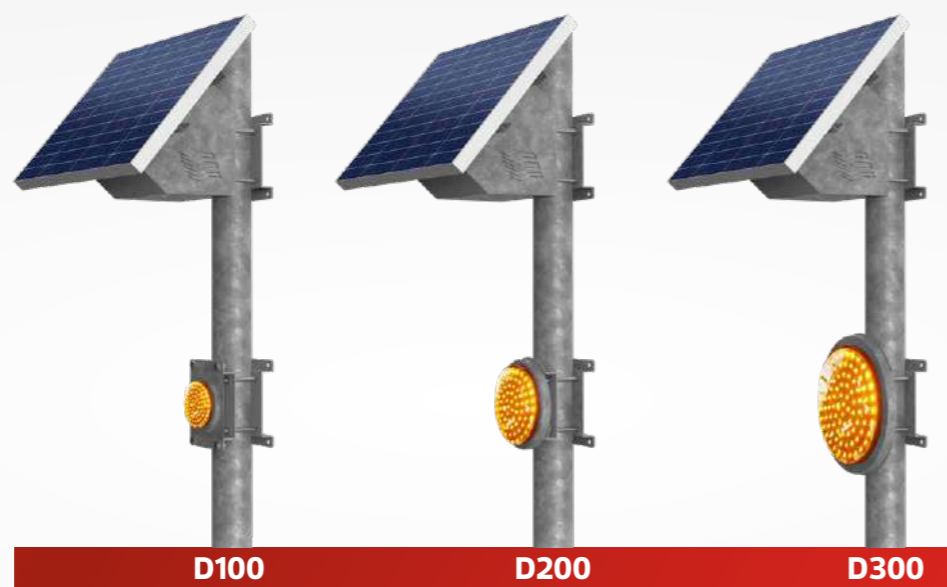
[eng]
Product description

Stand-alone photovoltaic flashing lamp used to signal dangers or construction sites along the roads.

[fra]
Description du produit

Lampe clignotante photovoltaïque autonome utilisée pour signaler les dangers ou les chantiers de construction le long des routes.

D100   **D200**   **D300**

NAME	PV MODULE [Wp]	BATTERY [V/Ah]	LUMINAIRE DIAMETER [mm]	CLOUDY DAYs	LATITUDE
Entry Flash Lamp 100		12V / 18Ah	100		
Entry Flash Lamp 200	40	12V / 36Ah	200	4	< 46°
Entry Flash Lamp 300		12V / 36Ah	300		
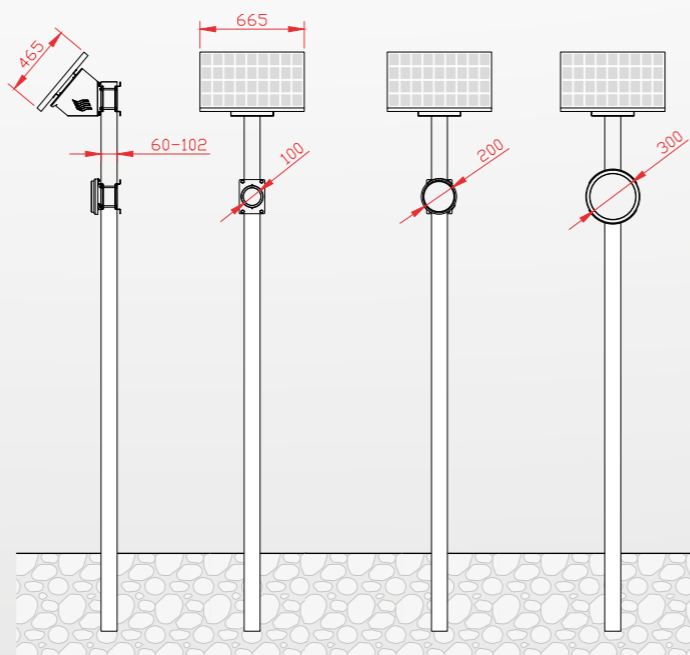
Caratteristiche prodotto

Flashing lamp (1Hz) with photosensor for self-regulation of light intensity

Pb Lead acid battery 18Ah / 36Ah

III Insulation class

[eng]
Product features

Pole installation D60-102 with coupler with clamps

PWM Charge Controller

[fra]
Caractéristiques du produit

PV module 40W slope 50° / 25°

IP 65 with moisture extractor

Lampade disponibili
[eng] **Available lamps**
[fra] **Lampes disponibles**

D100   D200   D300

Batterie disponibili
[eng] **Available batteries**
[fra] **Batteries disponibles**

**18Ah/36Ah Pb**
Battery capacity

Controllo

Regolatore PWM specifico per illuminazione a LED 10A – IP56. Disponibile in due versioni per batterie a Piombo (SPC07-IP) e per batterie LiFePO$_4$ (SPC07-IP LiFePO$_4$).

[eng]
Control

Specific PWM controller for LED lighting 10A – IP56. Available in two versions for lead batteries (SPC07-IP) and for LiFePO$_4$ batteries (SPC07-IP LiFePO$_4$).

[fra]
Contrôle

Régulateur PWM spécifique pour éclairage LED 10A – IP56. Disponible en deux versions pour les batteries au plomb (SPC07-IP) et pour les batteries LiFePO$_4$ (SPC07-IP LiFePO$_4$)
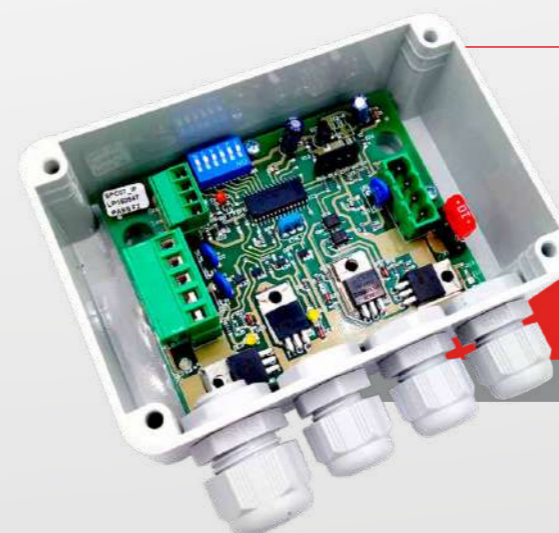
SPC07 - IP

Available in two versions for lead batteries and for LiFePO$_4$ batteries

WLB

Descrizione prodotto

Box All-in-One comprensivo di batteria **LiFePO$_4$** (> 3.000 cicli) da 60Ah o 100Ah e **regolatore di carica SPB-LS-BT** con controllo **Bluetooth integrato.** Collegando al WLB un modulo fotovoltaico e una lampada W-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.
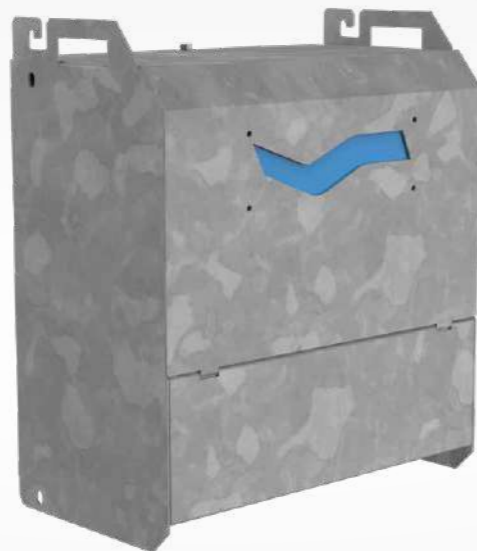
[eng]
Product description

All-in-One box including **LiFePO$_4$** battery (> 3,000 cycles) of 60Ah or 100Ah and **charge controller SPB-LS-BT** with **integrated Bluetooth** control. By connecting a photovoltaic module and a W-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 comprenant une batterie **LiFePO$_4$** (> 3 000 cycles) de 60 Ah ou 100 Ah et un **contrôleur de charge SPB-LS-BT** avec contrôle **Bluetooth intégré**. En connectant un module photovoltaïque et une lampe W-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.

NAME	BATTERY CAPACITY	BATTERY TYPE	OUTPUT LAMP POWER	LAMP FLUX REDUCTION
WLB60Li	60Ah	LiFePO$_4$	12W to 36W	30%
WLB60Li/r50	60Ah	LiFePO$_4$	12W to 42W	50%
WLB100Li	100Ah	LiFePO$_4$	12W to 84W	30%
WLB100 Pb	100Ah	Pb Gel	12W to 24W	30%

Caratteristiche prodotto

[eng]
Product features

[fra]
Caractéristiques du produit

- Pole D60-102 or wall installation
- Flux reduction to prevent low battery level
- 12V Pb-Gel or LiFePO$_4$ batteries
- MPPT Charge

Possibili installazioni
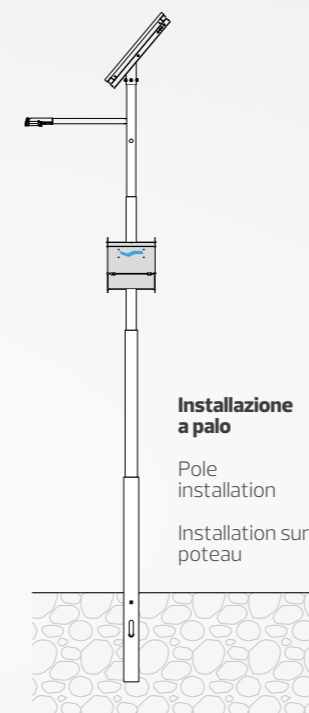
[eng]
Possible installations

[fra]
Installations possibles

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-LS BT 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-LS BT 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-LS BT 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.
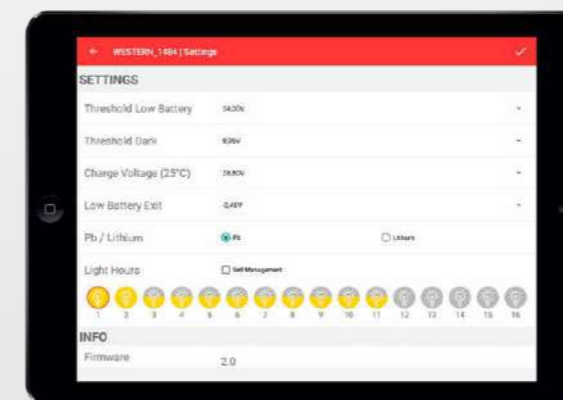
Bluetooth control
GSM version available on request

Wide choice of applications
The versatility of our solutions

Doppia lampada W–Light

Double W–Light luminaire

Lampe double W–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
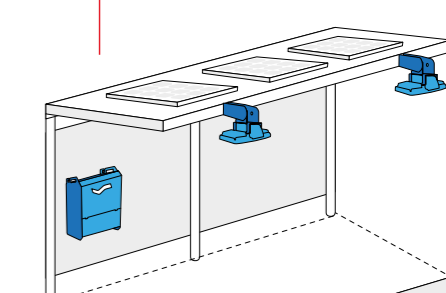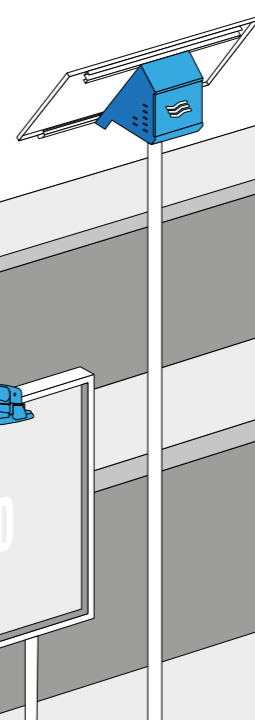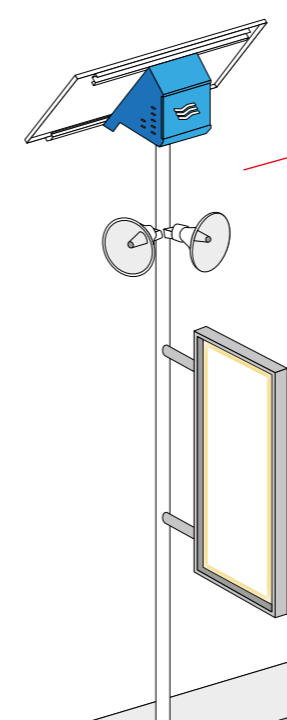
BILLBOARD

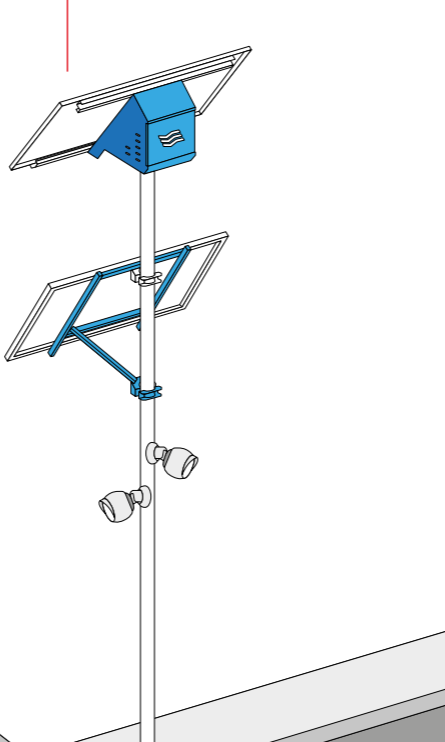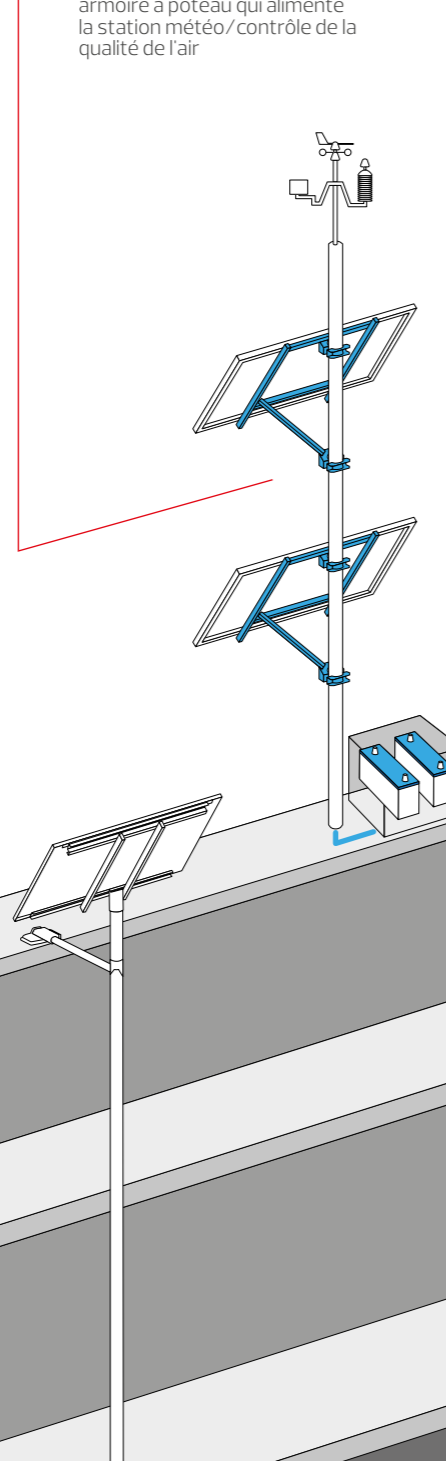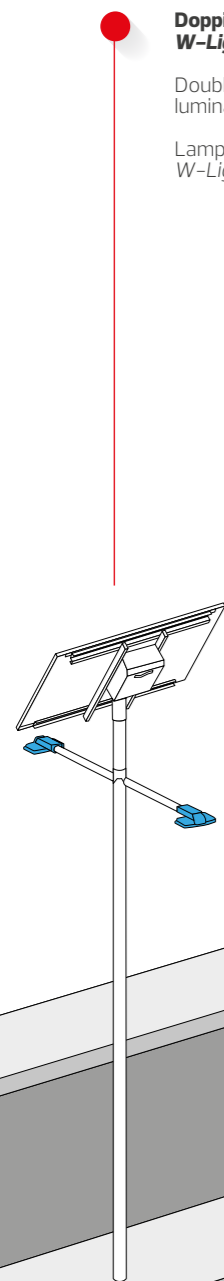**Installazione batteria a pozzetto**

Well–type battery installation

Installation de la batterie auplinthe

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

NOTE

MADE
and USED

WARRANTY 5 YEAR

Pb LEAD - FREE

RoHS 2015/863

EN 1090 EN 13201 compliant

made in **ITALY**
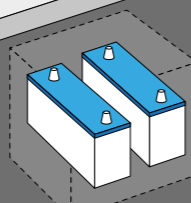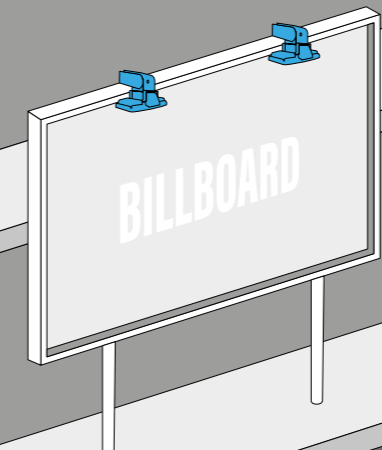
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