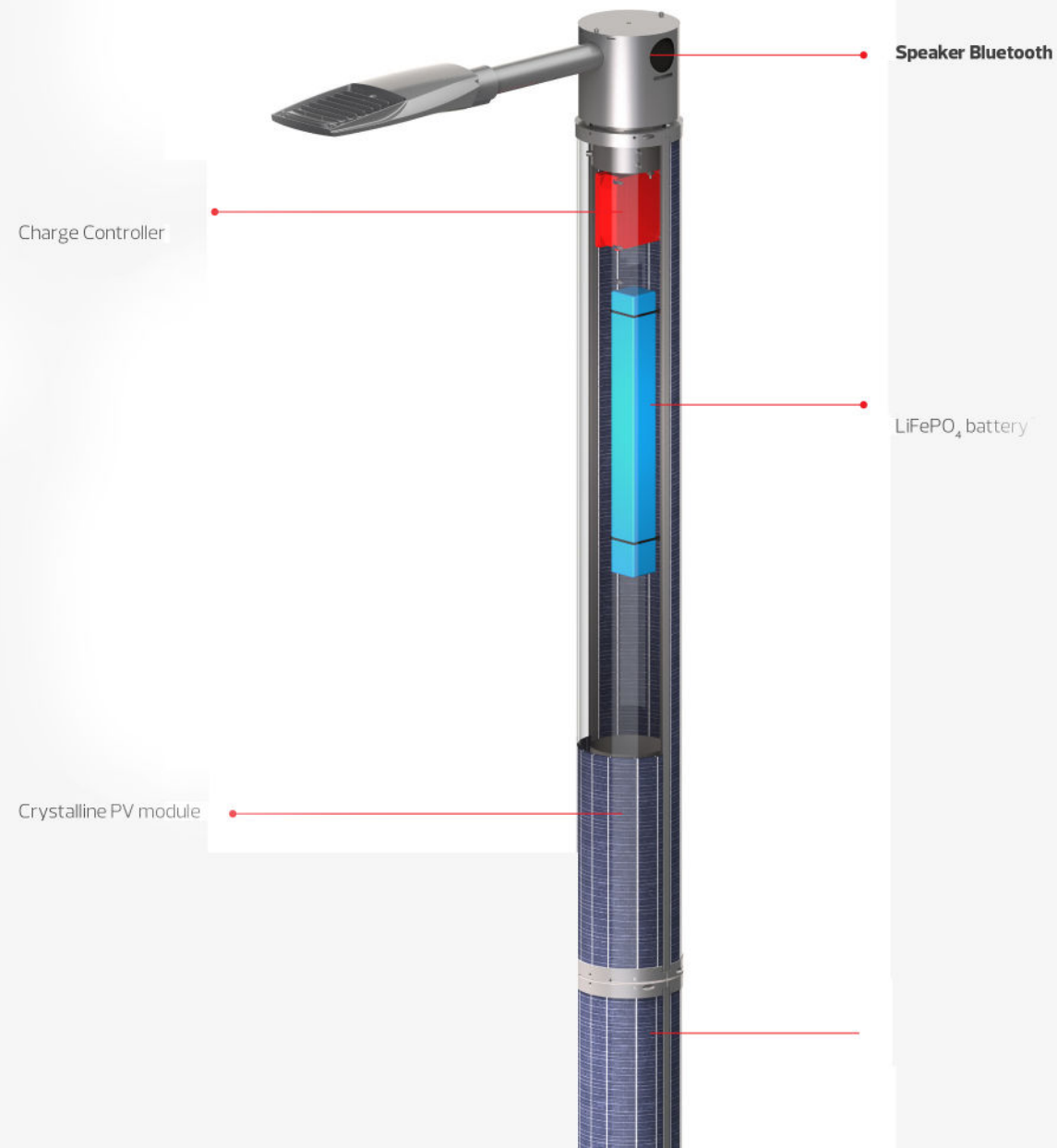
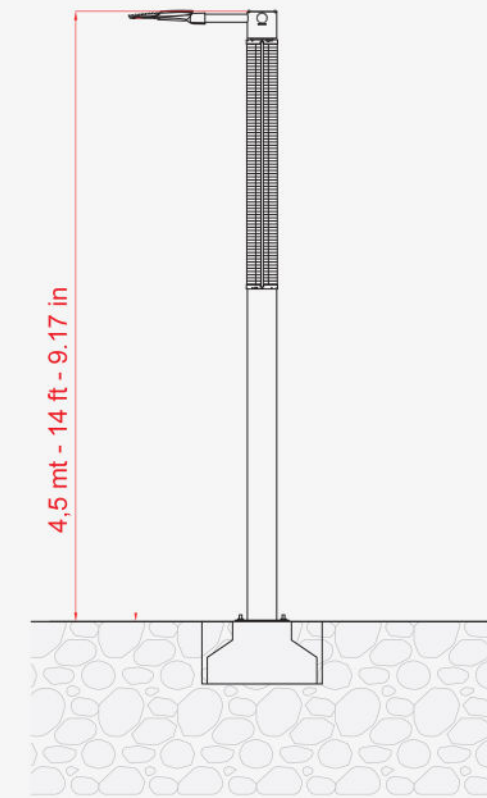


<b>Pv module</b>	<b>Arm with a height of 4.5mt:</b> 240W monocrystalline cylindrical shape
<b>Battery</b>	<b>Arm with a height of 4.5mt**:</b> LiFePO <sub>4</sub> >3500Cycles (80%DOD) installed inside the pole - 12,8V 42Ah
<b>Charge controller*</b>	SPB-20 <b>Bluetooth</b> connection by smartphone or PC. MPPT high efficiency (> 95%)
<b>Street lamp</b>	<b>Sun Light</b> Western CO. Available models: 30W 4209lm
<b>Color temperature – CRI</b>	4000°K – CRI>70
<b>Optic</b>	Asymmetric for street and wide area lighting, suitable for <b>ME Class</b> as <b>UNI11248</b> and <b>UNI13201-2</b> . PMMA material protected by flat glass
<b>Light control</b>	Self-management flux reduction to maximize lamp operation during cloudy days.
<b>Mechanical parts</b>	Pole: 5mt high above the ground, steel made and <b>hot deep galvanized and painted RAL 7043</b> . Wind load resistance in accordance to <b>Eurocode 0-1-3</b> . and production compliant to <b>EN1090-2</b> .

\*on demand may be supplied **SPB-20/GSM** charge controller with **2G** modem with data monitoring through Western CO. web application (**WCloud**).  
 \*\***4,5 mt** - 14 ft - 9.17 in



LiFePO<sub>4</sub> battery long life and high performance

Bluetooth speakers



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



Flux reduction self management to prevent low battery level



High efficiency LED lamps



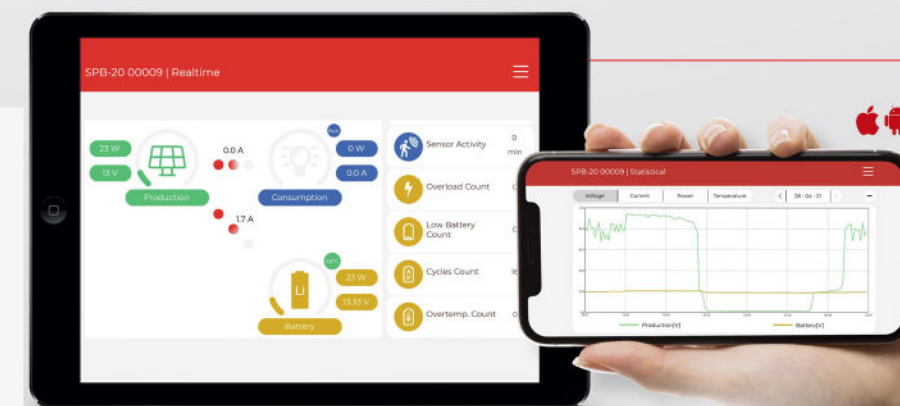
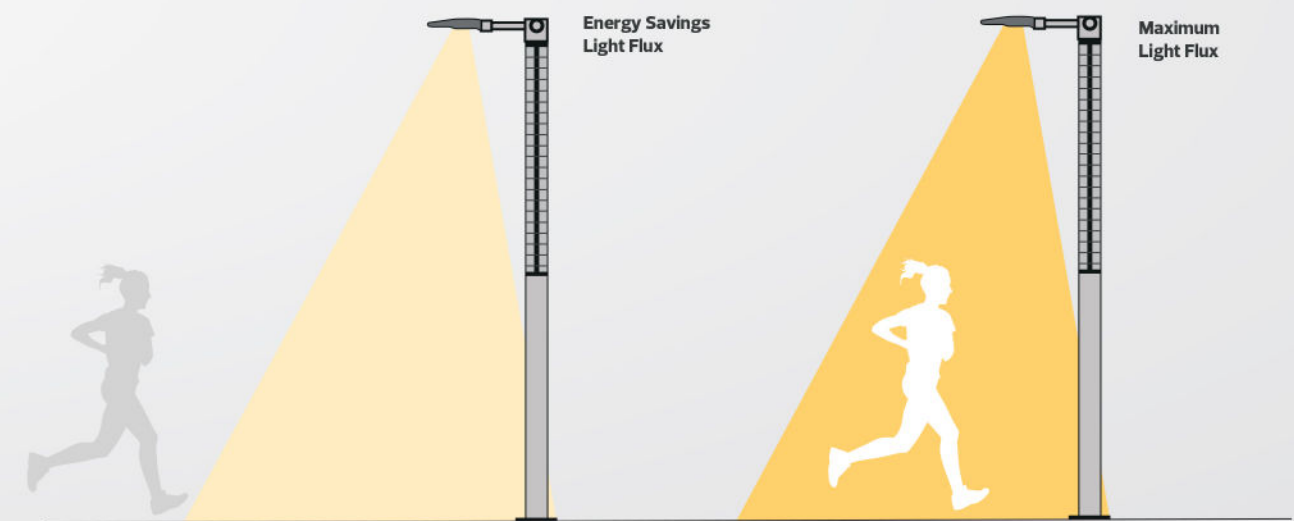
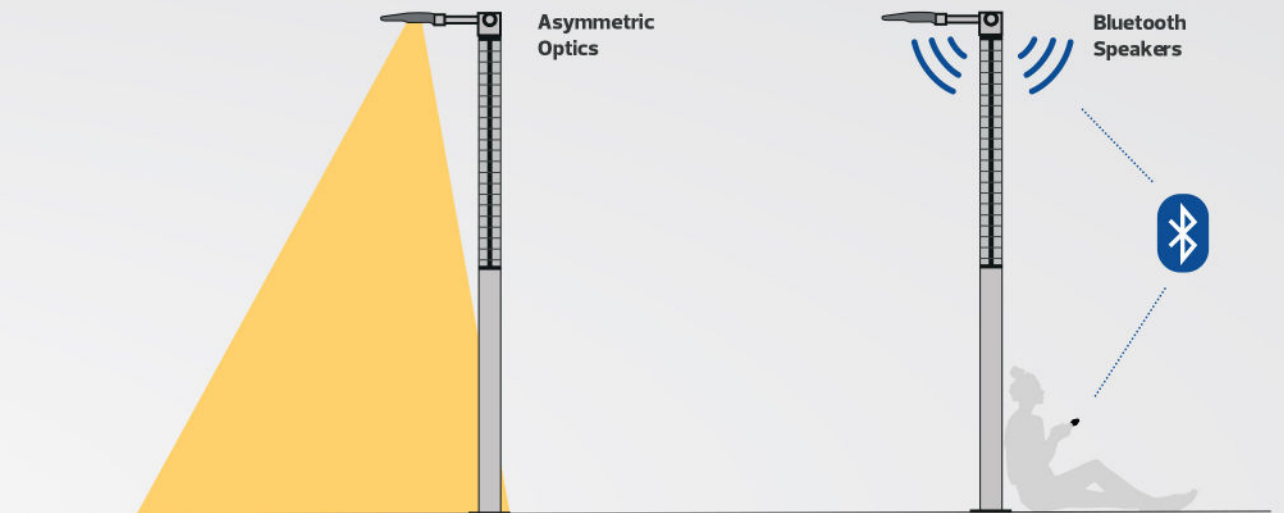
Easy to install and maintenance



### Product description

Arm solar street lamp has a completely different and innovative all-in-one lighting approach thanks to the vertical PV module and the LiFePO<sub>4</sub> battery integrated into the pole. Arm therefore presents itself as an ideal design object for parks, gardens, cycle and pedestrian areas, prestigious areas and urban applications.

It has a LED lamp with bracket 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.



**Bluetooth control included as standard**