

# **Parks and gardens lighting**

*PV solution for urban applications*



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**GIOTTO**

# 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 LiFePO<sub>4</sub> integrati al palo. Giotto Arm si presenta quindi come un oggetto di design ideale per parchi, giardini, zone ciclopedonali, zone di pregio e arredo urbano. Ha una lampada LED 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 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. Giotto 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.

[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 LiFePO<sub>4</sub> 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 avec bras 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 ARM

## Caratteristiche prodotto

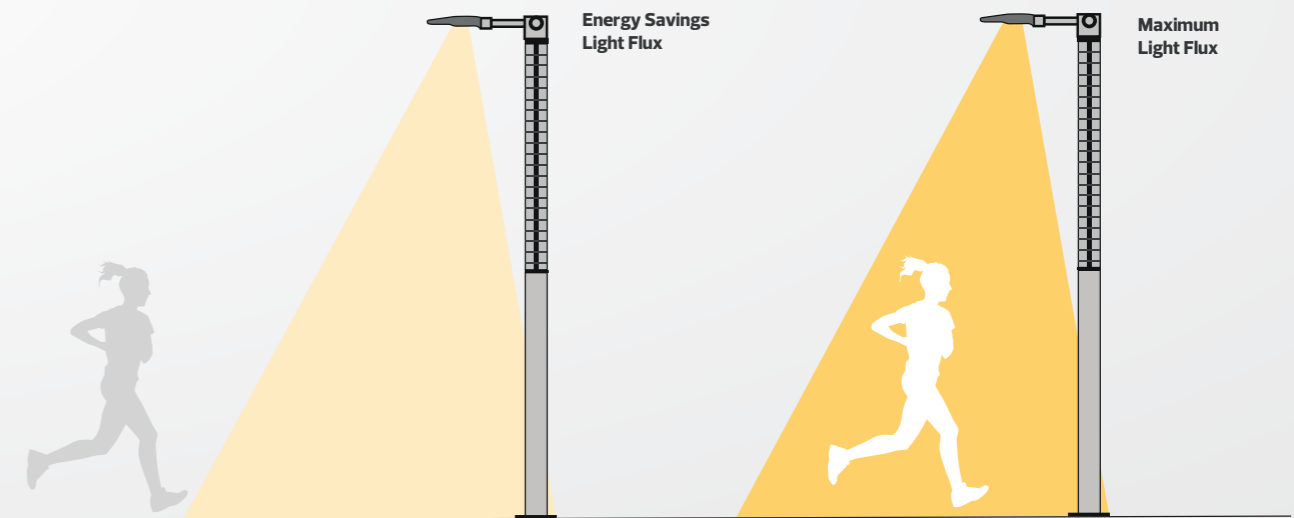
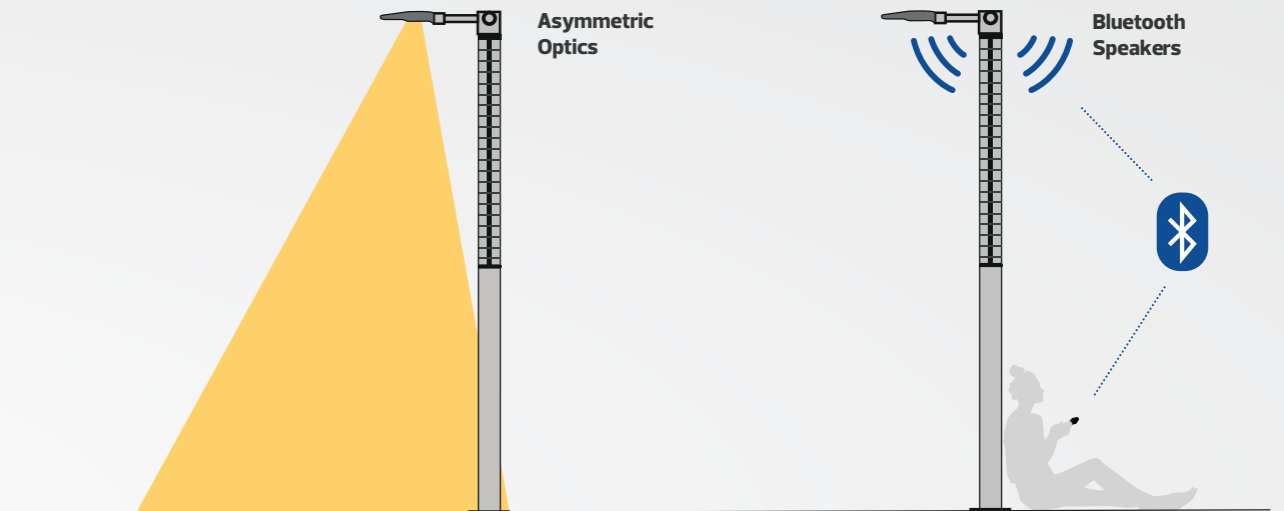
- Li** LiFePO<sub>4</sub> battery long life and high performance
- Flux reduction self management to prevent low battery level

## [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**

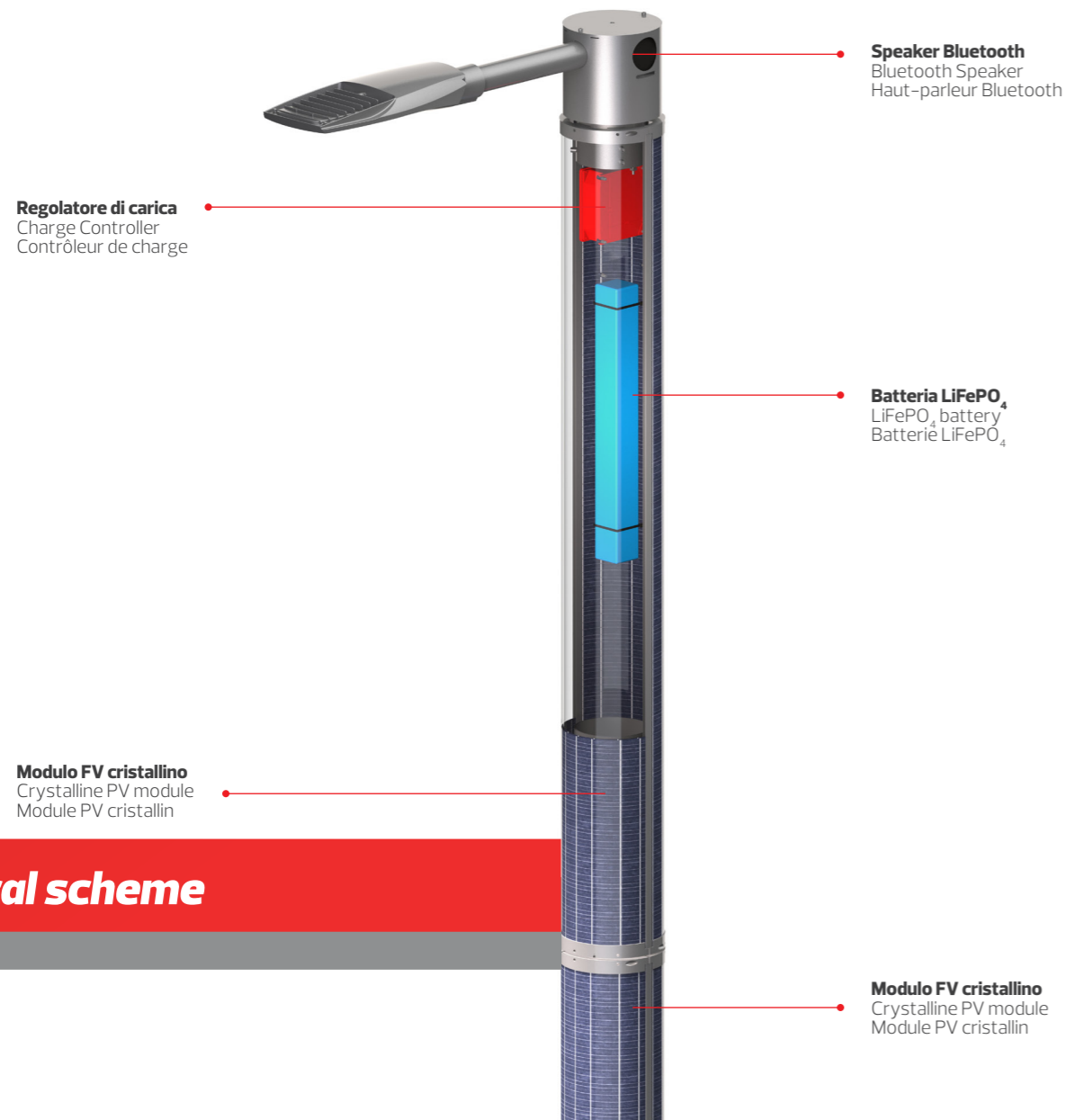
**Caratteristiche tecniche**

[eng]  
Technical characteristics

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Caractéristiques techniques

<b>Pv module</b>	Giotto Arm with a height of 4.5mt: 240W monocrystalline cylindrical shape
<b>Battery</b>	Giotto Arm with a height of 4.5mt**: LiFePO <sub>4</sub> >3500Cycles (80%DOD) installed inside the pole - 12,8V 42Ah
<b>Charge controller*</b>	SPB-20 Bluetooth connection by smartphone or PC. MPPT high efficiency (> 95%)
<b>Street lamp</b>	Sun Light 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 ME Class as UNI11248 and UNI13201-2. 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 hot deep galvanized and painted RAL 7043. Wind load resistance in accordance to Eurocode 0-1-3. and production compliant to EN1090-2.

\*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

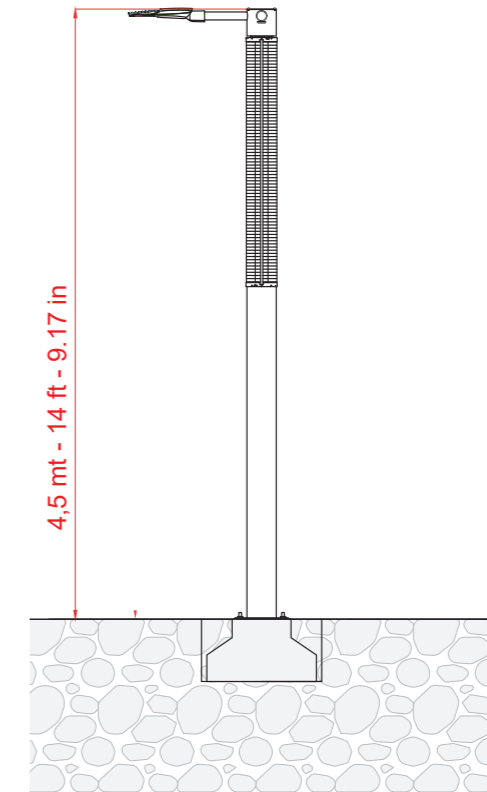


**Technical scheme**

**Dimensioni del prodotto**

[eng]  
Product dimensions

[fra]  
Dimensions du produit



**Realizzazioni**

[eng]  
Realizations

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Réalisations

