

# ***Parks and gardens lighting***

*PV solution for urban applications*



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**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 LiFePO<sub>4</sub> integrati al palo. Giotto si presenta quindi come un oggetto di design ideale per parchi, giardini, zone ciclopedonali, 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

The Giotto solar street lamp has a completely different and innovative all-in-one lighting approach thanks to the vertical PV module and LiFePO<sub>4</sub> battery integrated into the pole. Giotto is therefore an ideal design object for parks, gardens, cycle paths, pedestrian areas, prestigious areas and street furniture. It is equipped with an IR sensor which, by detecting the presence of people near the street lamp, increases the brightness of the lamp in order to improve visual comfort while keeping energy consumption low.

[fra]

Product description

Le lampadaire solaire Giotto adopte une approche d'éclairage tout-en-un totalement différente et innovante grâce au module PV vertical et à la batterie LiFePO<sub>4</sub> intégrés au mât. Giotto se présente donc comme un objet design idéal pour les parcs, les jardins, les zones cyclables et piétonnes, les zones prestigieuses et le mobilier urbain. 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 limitant la consommation d'énergie.



GIOTTO

[eng]

Product features



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



High efficiency LED lamps



Flux reduction self management to prevent low battery level



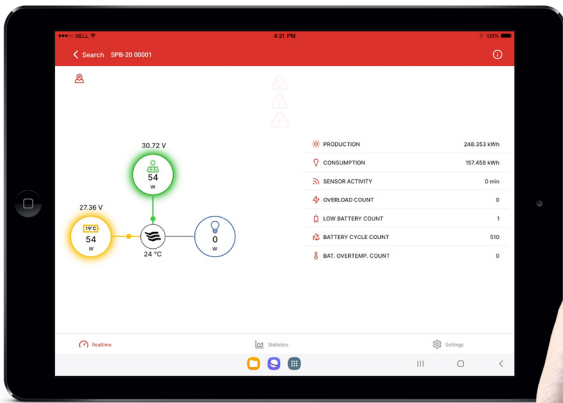
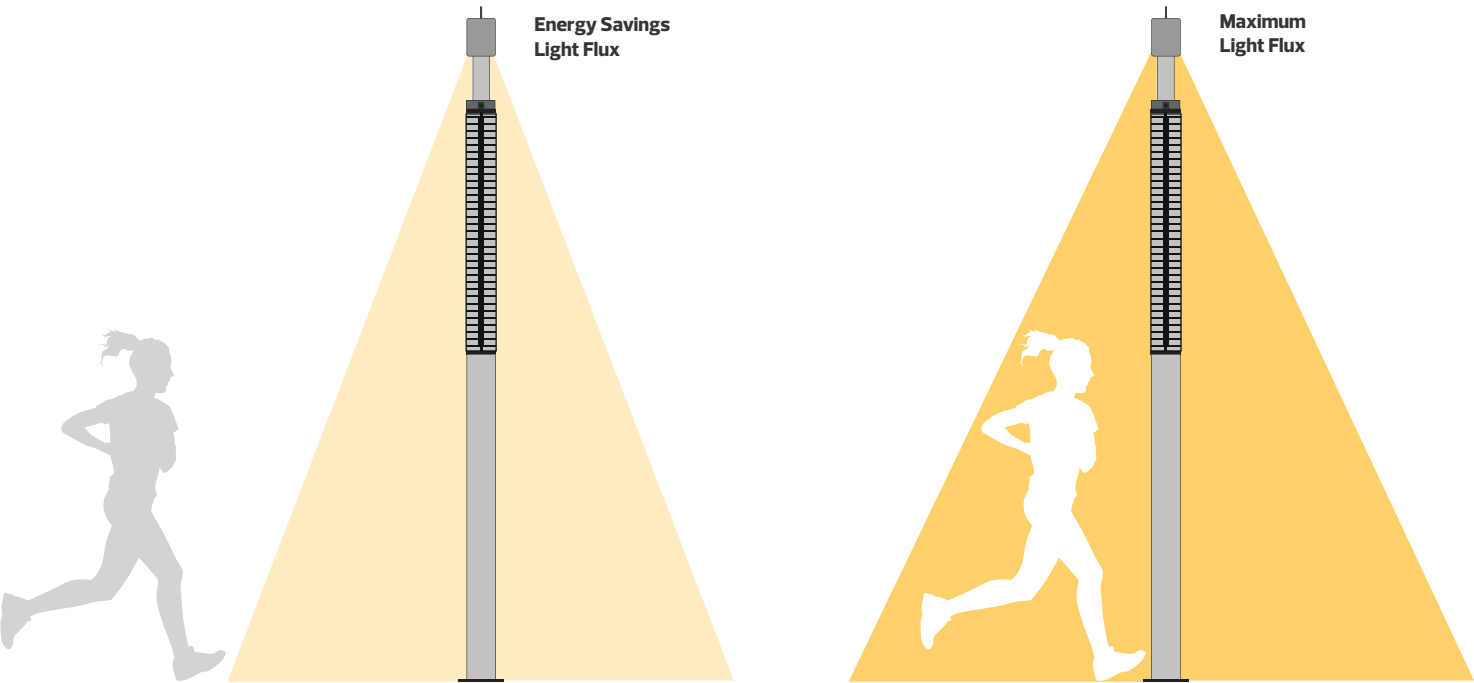
Easy to install and maintenance

[fra]

Caractéristiques du produit



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



Bluetooth control included as standard

Caratteristiche tecniche

|                         |                                                                                                                                                                                                               |                                           |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|
| Pv module               | 240W monocrystalline cylindrical shape                                                                                                                                                                        |                                           |
| Battery                 | LiFePO <sub>4</sub> 2500 Cycles (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<br>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 <b>hot deep galvanized and painted RAL 7043</b><br>Wind load resistance in accordance to <b>Eurocode 0–1–3</b><br>and production compliant to <b>EN1090–2</b> |                                           |

[eng]

Technical characteristics

[ fra ]

Caractéristiques techniques



● **Regolatore di carica**  
Charge Controller  
Contrôleur de charge

● **Sensore IR**  
IR sensor  
Capteur IR

● **Batteria LiFePO<sub>4</sub>**  
LiFePO<sub>4</sub> battery  
Batterie LiFePO<sub>4</sub>

● **Modulo FV cristallino**  
Crystalline PV module  
Module PV cristallin

Technical scheme

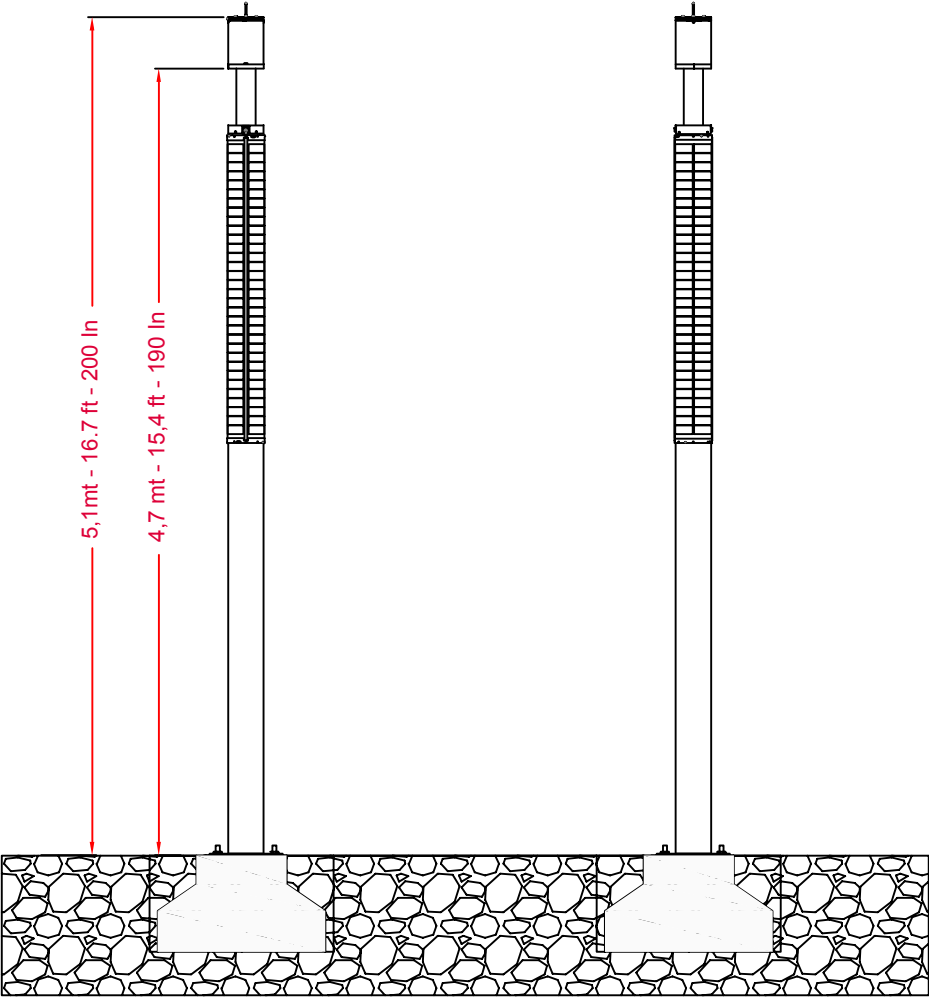
Dimensioni del prodotto

[eng]

Product dimensions

[ fra ]

Dimensions du produit



Realizzazioni

[eng]

Realizations

[ fra ]

Réalisations



# 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. 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 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 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



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



Flux reduction self management to prevent low battery level



High efficiency LED lamps

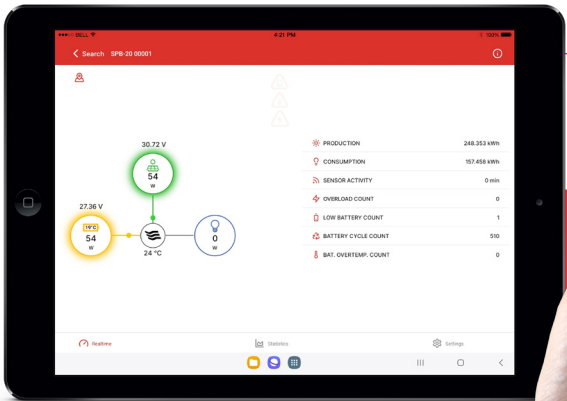
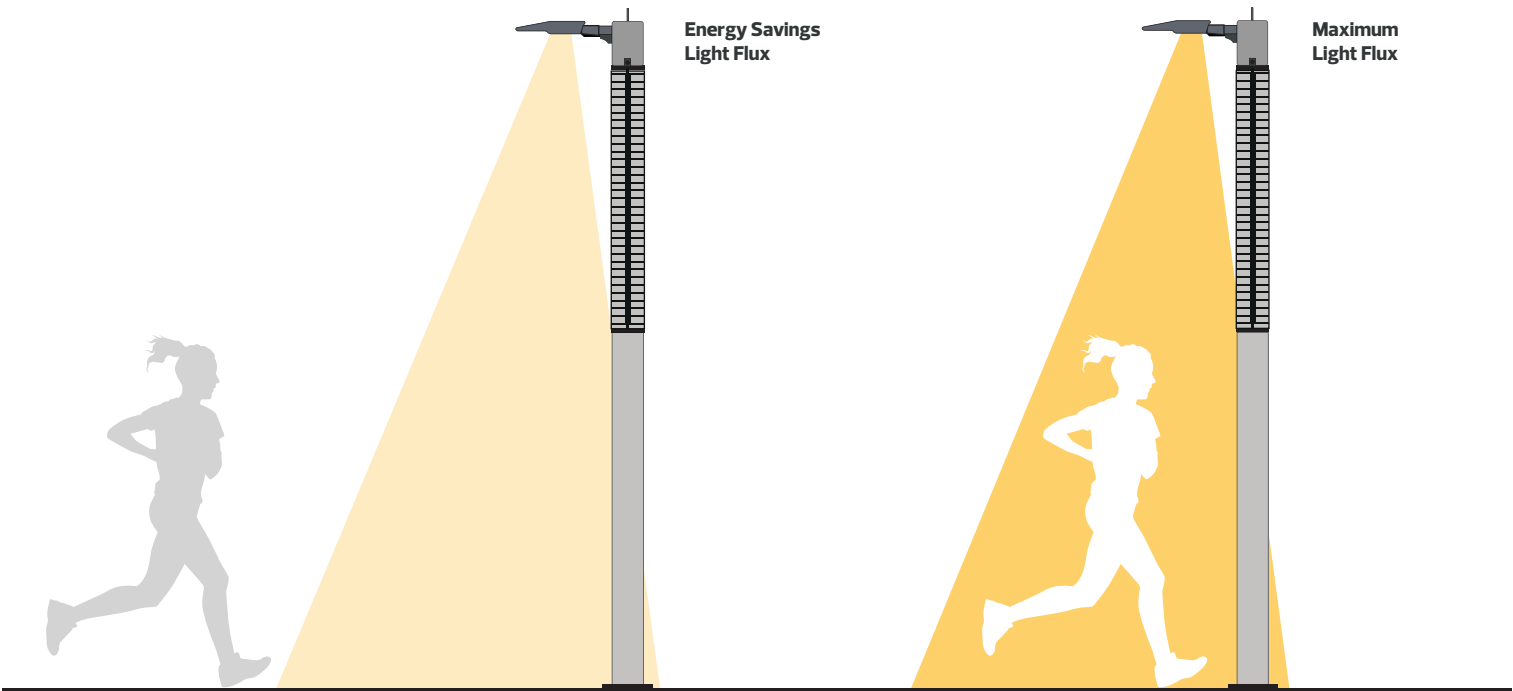


Easy to install and maintenance

## Caractéristiques du produit



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



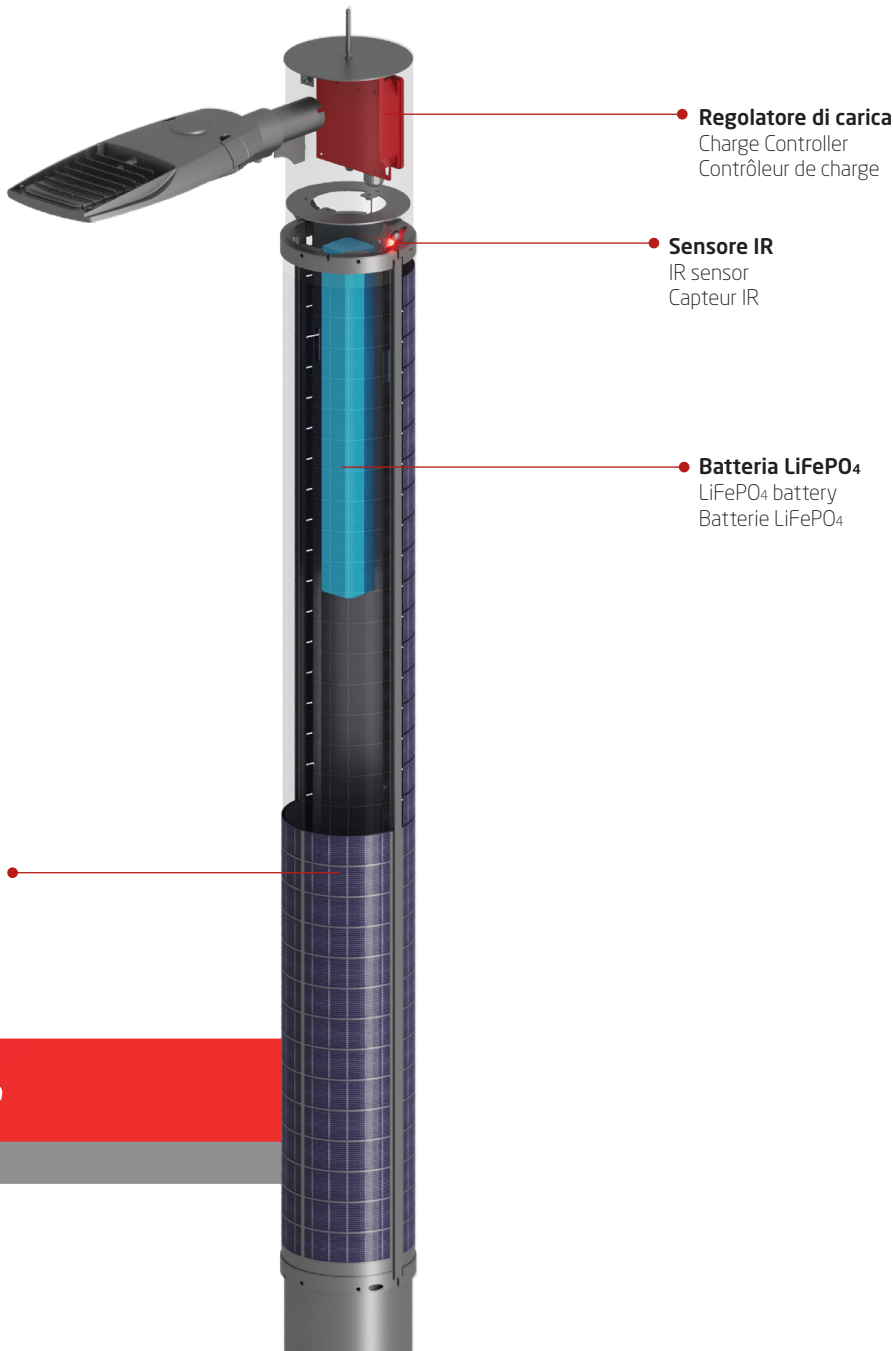
Bluetooth control included as standard

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 <sub>4</sub> 2500 Cycles (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.<br>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.<br>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.<br>Wind load resistance in accordance to Eurocode 0-1-3.<br>and production compliant to EN1090-2. |                                           |

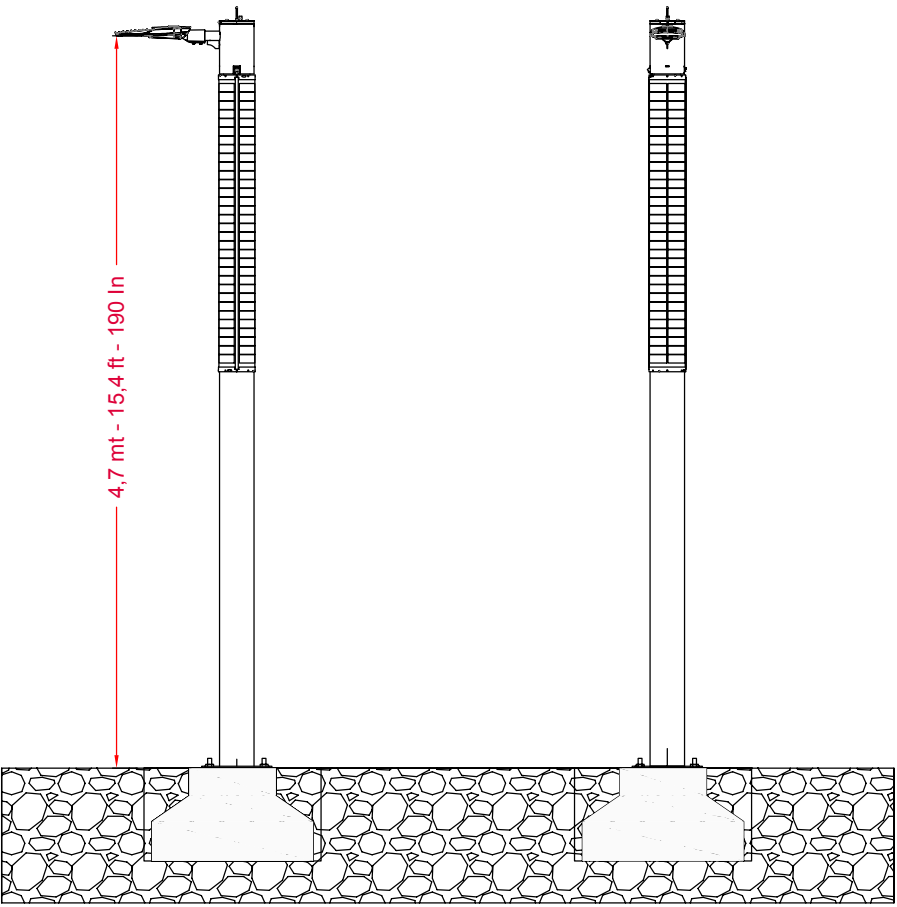


Technical scheme

Dimensioni del prodotto

[eng]  
Product dimensions

[ fra ]  
Dimensions du produit



Realizzazioni

[eng]  
Realizations

[ fra ]  
Réalisations

