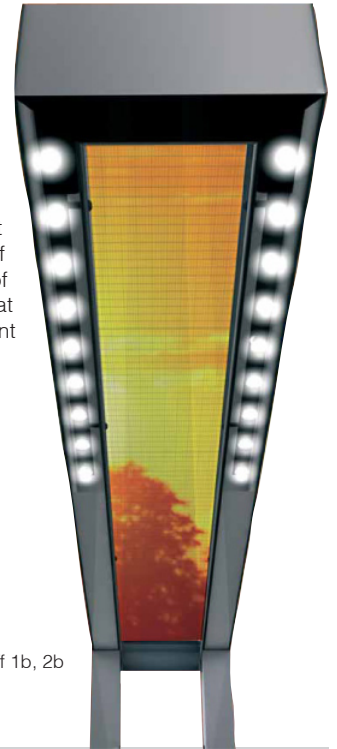


A revolutionary street lighting fixture that uses the best eco-friendly technology available to increase pedestrian safety.

Designed by **Giugiaro Architettura** and manufactured by Disano Illuminazione, OnOff was displayed at Remade, Portugal, for the first time. Remade is the trade fair of state-of-the-art products made of recycled and recyclable material. The project belongs to a range of events promoted by Cestec, a company from Regione Lombardia that has been set up to support companies in the production of excellent products using eco-friendly, recyclable materials.

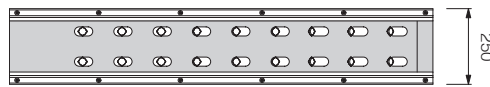


In figure: OnOff 1b, 2b

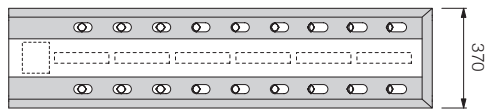
OnOff 1

Pedestrian crossing

1a



1b

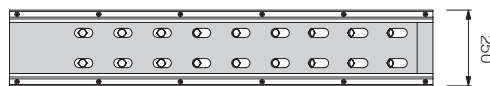


OnOff has been specifically designed to increase the safety of pedestrian crossings and to reduce environmental impact, starting from the production phase: the luminaire is made of aluminium, an entirely recyclable material, joining the pole and the luminaire into one single object.

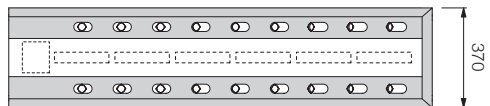
OnOff 2

Post-top amenities

2a



2b



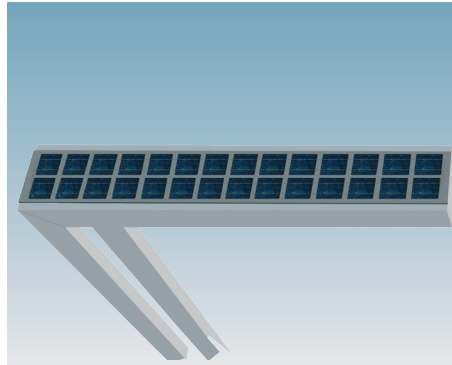
OnOff is the fixture capable to enhance urban area, contributing to the pleasure to walk in a pleasant night atmosphere, respecting the environment with significant energy saving.

Photovoltaic module

Consumption: 30W

PHOTOVOLTAIC MODULE of 28 Cells in Silicon Monocrystalline, total power 20Wp.

Peak power photovoltaic module: 20v



The photovoltaic system converts solar power into electricity thanks to the use of semiconductor materials such as silicon. Silicon is reduced to sheets to create a photovoltaic cell.

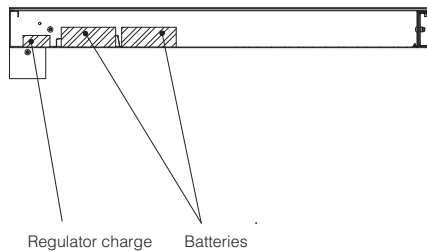
The peak watt is the unit of measurement used to calculate the power that a module can generate. This is the power that a module develops under special circumstances (e.g., Temperature= 25°C - radiation 1000W/m² etc.)

Batteries

N° 2 BATTERIES HGL da 7.2 Ah/ 20 Hr 12 V technology (sequence connections to obtain 24 V).

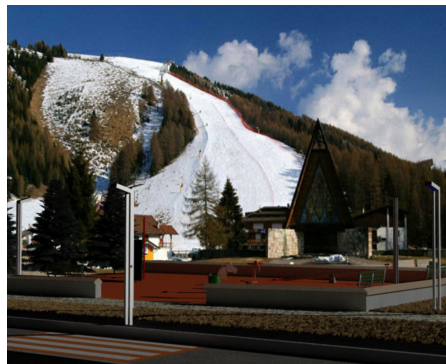
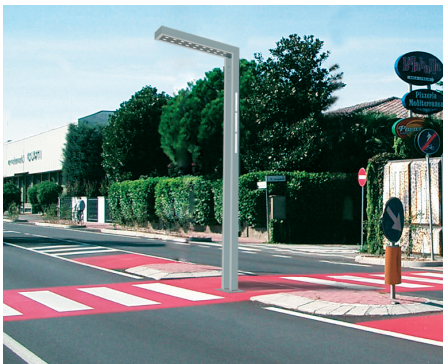
Batteries capacity 14,5 Ah

Cycle numbers ON-OFF battery assisted: 300 cycles

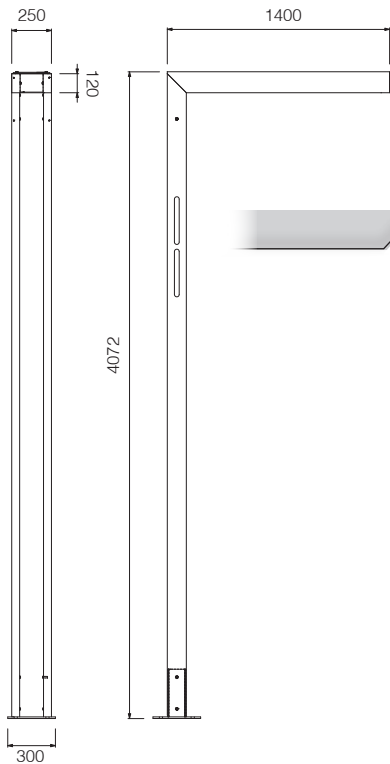


The photovoltaic panel is fitted onto the streetlamp cover, and powers **OnOff** independently, without connecting it to the mains. In the absence of solar power, the batteries used have a good autonomy.

OnOff plugged



Full-free batteries, working with power network 230v.



OnOff: uses 18 100lm/W Led lights. The light beam can be adjusted according to need. High energy saving, 30W consumption.
Base: With switch positioned on the side profile.

Specifications

18 LED - 100lmW

ANODISED ALUMINIUM STREETLAMP H 4000 mm con + arm 1400 mm

OPTICS: 18 LED, 100lm each. Available versions supplied with:

OnOff 1a 2a 12 Lens 35mm of 8°
6 Lens 35mm of 30°

OnOff 1b 2b 18 LED 35mm of 10°

2 X POWER SUPPLY LED

Tension: 24 V

Power, each one: 17W

Protection: IP67

PHOTOVOLTAIC MODULE of 28 Cells in Silicon Monocrystalline, total power 20Wp

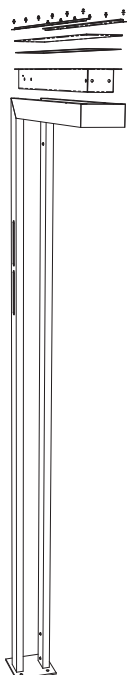
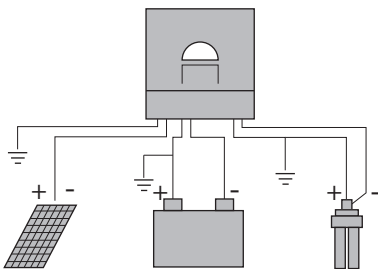
N° 2 BATTERIES HGL da 7.2 Ah/ 20 Hr 12 V tecnologia (sequence connections to obtain 24 V).

Batteries capacity 14,5 Ah

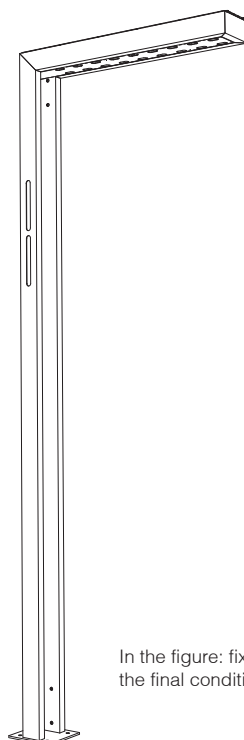
Cycle numbers ON-OFF battery assisted: 300 cycles

Controller internal energy management

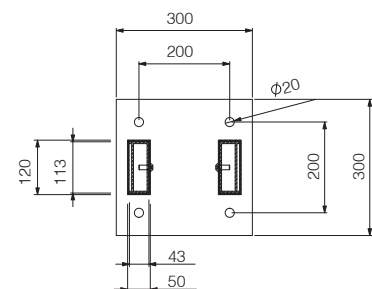
The management through electronic controller that regulates energy flux from the photovoltaic module, battery and led, ensuring optimal management of each component. The setting controller is made at the factory in accordance with the configuration led-batteries chosen.



In the figure: exploded for lighting housing mounting.



In the figure: fixture in the final condition.



In the figure: base support dimensions with log-bolts to be buried.

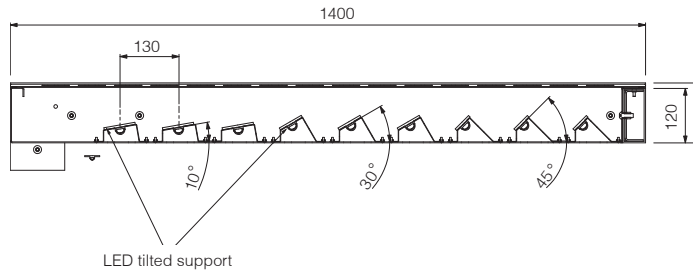
versions **1** **2**

Lighting specifications

1 **OTTICS** with 18 LED
100lm each equipped with:
12 Lenti 35mm of 8°
6 Lenti 35mm of 30°

1a for **pedestrian crossing**

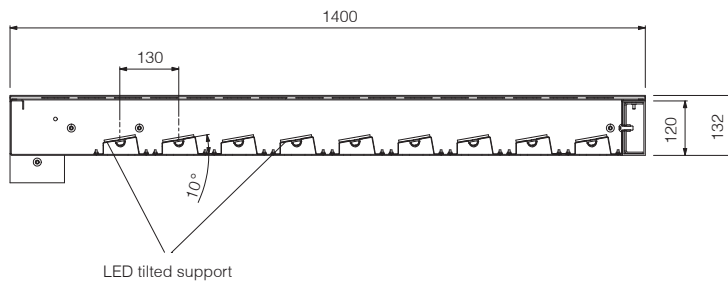
2a for **post-top amenities**



2 **OTTICS** with 18 LED
100lm cad. equipped with:
18 LED 35mm of 10°

1b for **pedestrian crossing**

2b for **post-top amenities**



The LED are adjusted individually in the way to obtain luminous selective distribution for pedestrian crossing illumination or urban areas.



Simulation of application

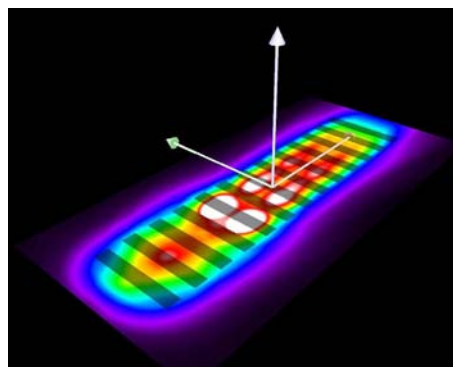
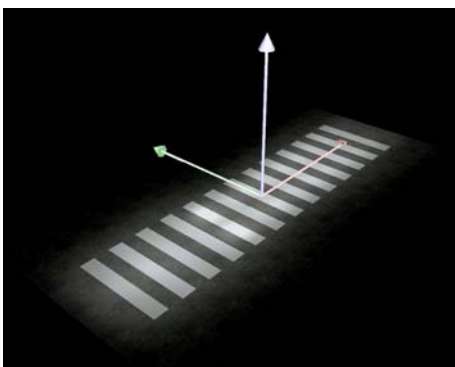


Fig. 1 and 2: simulation of pedestrian crossing (colour scale and gry scale).

versions

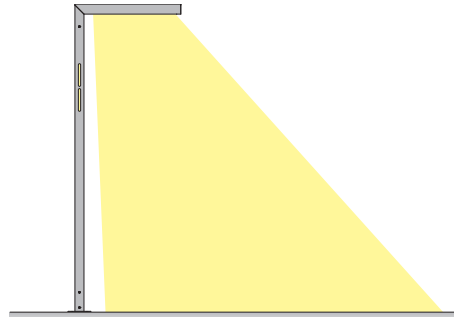
1a **2a** **1b** **2b**

OnOff LED Features

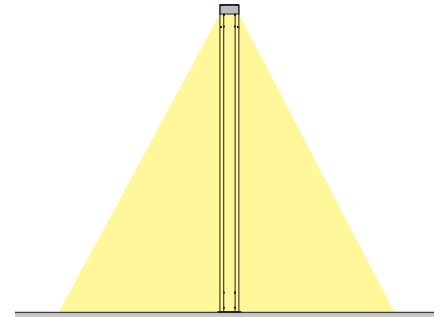
1 OPTICS with 18 LED
100lm each equipped with:
12 Lens 35mm of 8°
6 Lens 35mm of 30°

1a for **pedestrian crossing**

1b for **post-top amenities**



1a version - 12 Lens 35mm of 8°
and 6 Lens 35mm of 30°

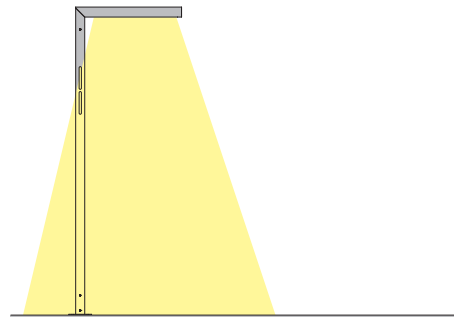


1b version - front view

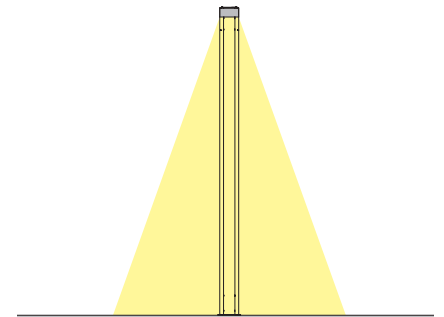
2 OPTICS with 18 LED
100lm each equipped with:
18 LED 35mm of 10°

2a for **pedestrian crossing**

2b for **post-top amenities**



2a version - 18 LED 35mm of 10°



2b version - front view