Omniflow®



smart city & sustainable mobility

OMNI

PEDESTRIAN CROSSING

The Omni Pedestrian is a product that combines Omniled solution for IoT and power generation with warning lights to increase security for pedestrians in zebra crosswalks.

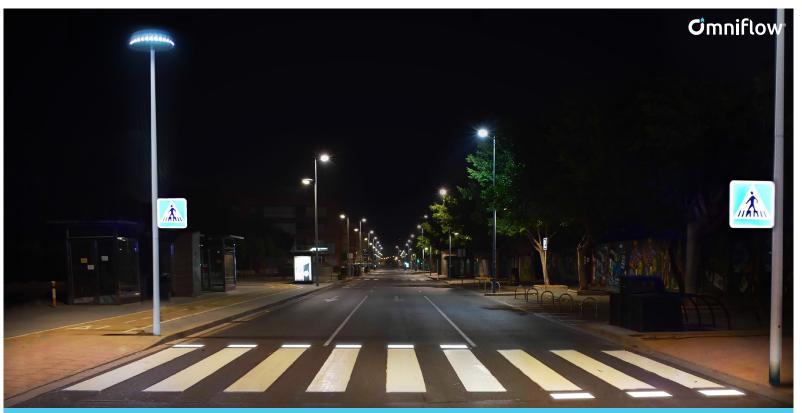
Motion sensors detect people approaching and enable high power street lighting, flashing lights on the road and a crosswalk sign.

This solution is particulary usefull for heavy traffic intersections in vicinity of schools, universities, airports, sporting venues or railroad crossings.

The Omni Pedestrian is powered by OmniLED's integrated wind/solar and battery storage capabilities, making it a resilient and sustainable solution for public safety.

Features & Benefits

- Application-urban traffic signaling
- Transparent polycarbonate optical lens-impact resistant
- Hight intensity LED light source-low energy consumption
- High power LED (SMD)
- Long life cycle-more than 100,000 working hours
- Highly durable polycarbonate housing, UV-light resistant
- Modular design-easy installation and maintenance
- Fixation system with embedded in ground system
- · Compliance with CE, RoHS, ISO9001



Technical Data	Omniled 07	Omniled 035
DIMENSIONS (D/H) [m]	1.20 / 0.30	0.60 / 0.15
GENERATOR	Direct drive ironless start permanent magnet	Direct drive ironless start permanent magnet
DIFFUSER	Single-element patented shroud	Single-element patented shroud
DC CONTROLLER	Hybrid wind/ solar regulator	Hybrid wind/ solar regulator
WIND POWER [W]	100 (rated @11 m/s, steady)	15 (rated @11 m/s, steady)
SOLAR POWER [W]	60 (peak) 1	16 (peak) 1
BATTERY	500 Wh C10 Lead Crystal 2	90 Wh C10 Lead Crystal 2
WEIGHT [Kg]	35	4
POLE HEIGHT [m]	8	5
LIGHTING POWER [W]	30/ 45/ 60 (W/ Grid-Backup)	6/ 12/ 24 (W/ Grid-Backup)
LUMEN LUMINANCE [Im]	5100/ 6800/ 9270	1200/ 2040/ 3700
COLOR TEMPERATURE [K]	6000	6000
CONTROL	OmniConnect IoT Platform	OmniConnect IoT Platform
OPTIONAL	- Wi-Fi, 4G, Small Cell - IP Camera's and Video Analytics	- Wi-Fi, 4G - IP Camera's and Video Analytics

- USB Charger, E-Bike charger

- ² Additional battery storage

- ¹ Additional integrated solar PV

- Grid-backup

- USB Charger, E-Bike charger

- ¹ Additional integrated solar PV

- ² Additional battery storage

- Grid-backup

Technical Data	Road Studs
Items	Characteristics
Input voltage	DC24V
Resistance against dust and water	IP68
Working temperature	-40 °C~ 60 °C
Service life	100,000 Hrs
Housing	Polycarbonate
Size	500*130mm
Weight	5 KG
Support	>50t
Installation	Embedded in ground

