

Omniflow®



OMNI PEDESTRIAN CROSSING

smart city
& sustainable mobility

www.omniflow.io

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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 particularly useful 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
- High 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



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Technical Data	Omniled 07	Omniled 035	Technical Data	Road Studs
DIMENSIONS (D/H) [m]	1.20 / 0.30	0.60 / 0.15	Items	Characteristics
GENERATOR	Direct drive ironless start permanent magnet	Direct drive ironless start permanent magnet	Input voltage	DC24V
DIFFUSER	Single-element patented shroud	Single-element patented shroud	Resistance against dust and water	IP68
DC CONTROLLER	Hybrid wind/ solar regulator	Hybrid wind/ solar regulator	Working temperature	-40 °C~ 60 °C
WIND POWER [W]	100 (rated @11 m/s, steady)	15 (rated @11 m/s, steady)	Service life	100,000 Hrs
SOLAR POWER [W]	60 (peak) 1	16 (peak) 1	Housing	Polycarbonate
BATTERY	500 Wh C10 Lead Crystal 2	90 Wh C10 Lead Crystal 2	Size	500*130mm
WEIGHT [Kg]	35	4	Weight	5 KG
POLE HEIGHT [m]	8	5	Support	>50t
LIGHTING POWER [W]	30/ 45/ 60 (W/ Grid-Backup)	6/ 12/ 24 (W/ Grid-Backup)	Installation	Embedded in ground
LUMEN LUMINANCE [lm]	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 - USB Charger, E-Bike charger - Grid-backup - 1 Additional integrated solar PV - 2 Additional battery storage	- Wi-Fi, 4G - IP Camera's and Video Analytics - USB Charger, E-Bike charger - Grid-backup - 1 Additional integrated solar PV - 2 Additional battery storage		

600 mm

600 mm