

Omniflow®



OMNI SMART CROSSWALK

smart city
& sustainable mobility

www.omniflow.io

OMNI SMART CROSSWALK

Omniflow's Smart Crosswalk is a product that combines Omniled solution for IoT and power generation with warning lights to increase security for pedestrians in zebra crosswalks.

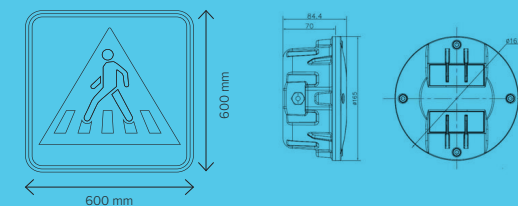
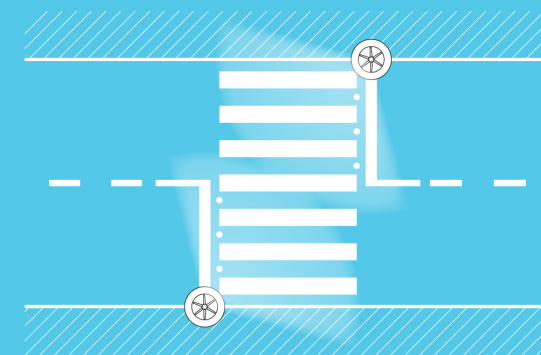
Motion sensors detect people approaching and enable high power street lighting, flashing lights on the road and a crosswalk sign.

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

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



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)
LED ROAD STUD	3 x 1 W per lane	3 x 1 W per lane
LED PEDESTRIAN SIGN	High visibility flashing sign	High visibility flashing sign
LUMEN LUMINANCE [lm]	5100/ 6800/ 9270	1200/ 2040/ 3700
COLOR TEMPERATURE [K]	6000	6000
CONTROL	OmniConnect IoT Platform	OmniConnect IoT Platform
OPTIONAL	<ul style="list-style-type: none"> - 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 	<ul style="list-style-type: none"> - 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



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