

PHOTOVOLTAIC LAMP

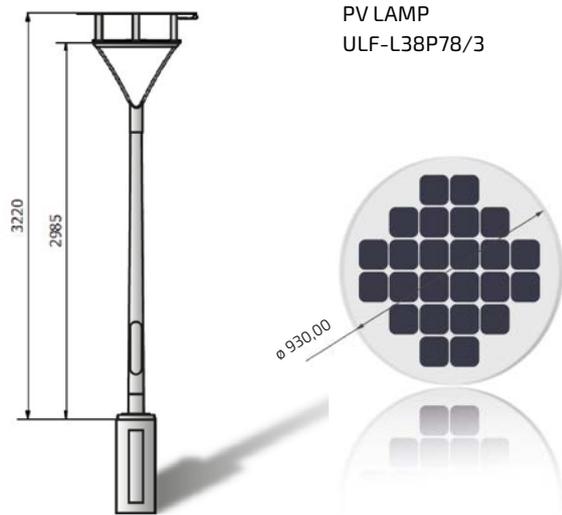
The applications for photovoltaic systems are virtually limitless. When integrated with small architectural forms, photovoltaics can provide electric power where grid connections are problematic: mountains and mountain trails, or even large home gardens. A PV lamp is an artificial light source powered by electricity generated from sunlight. PV lamps boast high luminous efficiency levels, combined with ease and safety of operation.

PV lamps use LEDs and automatic systems for battery operation. During the day, the PV module over the lamp charges the lamp battery via an inverter. The dusk sensor starts providing the lamp with battery power. The PV lamp can work autonomously, or switch to a 230 V grid if the battery is dead. The PV lamps are an excellent choice for those who wish to cut the costs of electricity. The lamps can be located anywhere building a grid connection is too expensive. The PV lamps can illuminate car parks, playgrounds, walkways, alleyways, promenades, shopping or industrial centres, pedestrian crossings, road intersections, and roundabouts.

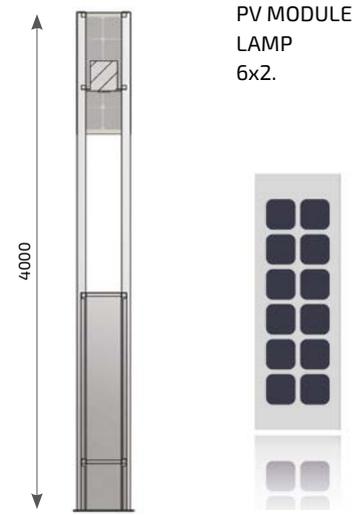
System technical specifications

PV lamp, model ULF-L38P78/3	
Nominal power	max. 114 Wp/m ²
Max. voltage	1000 V
PV cell type	Monocrystalline, incl. back-contact Polycrystalline
PV cell efficiency	22.5%
LED luminaire output	38 W
Optional	automatic / battery operation can be powered from 230 V grids dusk sensor
Height	4 m
Luminaire width	ø 690 mm
PV panel width	ø 930 mm
Lamp material	Aluminium
Materials	Aluminium or steel

PV lamp, 6x2	
Nominal power	52 Wp from single module 208 Wp in total with 4 / lamp
Max. voltage	1000 V
PV cell type	Monocrystalline, Polycrystalline
PV cell efficiency	max. 22.5 %
PV modules	4
LED luminaire output	80 W
Optional	automatic / battery operation can be powered from 230 V grids dusk sensor
Height	4 m
Width	370 x 370 mm
Materials	Aluminium



PV LAMP
ULF-L38P78/3



PV MODULE
LAMP
6x2.



Rzeszów / WSPiA



Zaczerwie / ML System S.A.



Łódź / Provincial Fund for Environmental Protection and Water Management



Łódź / Provincial Fund for Environmental Protection and Water Management