

TECHNICAL DATA

TYPE

Professional LED, High efficacy, Up to 140 lm/w net.

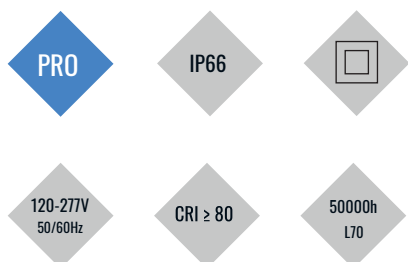
MATERIAL

Die-cast aluminum housing and tempered glass.

APPLICATIONS

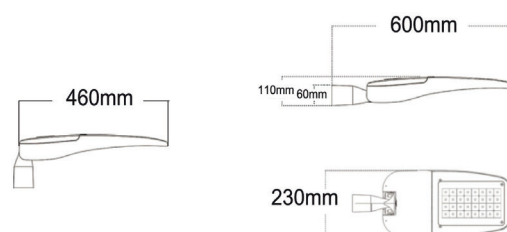
Can be used in:

- Urban and residential areas.
- Parks and green spaces.
- Maritime promenades.
- Pedestrian areas.
- Cycle lanes and <30km/h areas.



DIMENSION DRAW

Model:	Solaro
Format:	Round
Location:	Exterior
Wattage:	80W
Materials:	Aluminum
Led Color:	3000K / 4000K / 6500K
Product Dimension:	770x870x30mm
IP Code:	66
Fixation:	Surface
CRI :	80
Lumen Output:	11,200LM
Frequency:	50/60 Hz
Beam Angle:	T2



OUTDOOR

PERFORMANCE DATA

LAMP

Item name:	Solaro	Output Power (W) :	80W max $\pm 10\%$
Output Luminous Flux (lm):	10000lm $\pm 10\%$	Output Light Effect :	140lm/W $\pm 10\%$
PV Power:	90W18V $\pm 10\%$	Battery Capacity:	12,8V 78Ah
Lamp Pole Material/Height:	Q235/8m	Surface Technology:	Hot dip galvanizing+powder spraying
Protection Grade:	IP 66, IK08	Warranty:	2 years(1 year warranty for lithium batteries)
Lighting Mode:	Capable of intelligent power reduction operation, able to meet three consecutive rainy and cloudy days		

OPTICAL

LED Type:	SMD 3030	LED Load :	80W $\pm 10\%$
Lens Optics:	T2	Lens Material :	PC

PV MODULE

Number of components:	1 PCS	Component Type:	Single-Crystal Silicon
Short-circuit Current:	5.5A $\pm 10\%$	Open Circuit Voltage :	21.6V $\pm 10\%$
Maximum Power Point Current:	18A $\pm 10\%$	Maximum Power Point Voltage :	5V $\pm 10\%$
Dimensions:	770*870*30mm	PV Structure:	Tempered glass +EVA+Solar cells+EVA+TPT
Color:	Black	Life Span:	10 Years

BATTERY

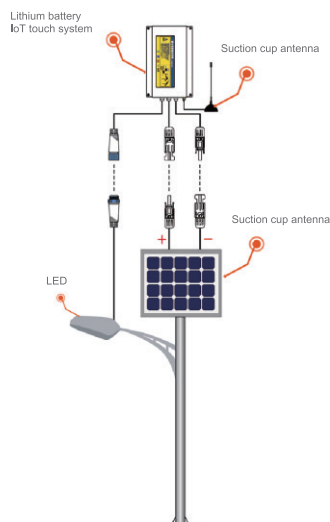
Battery Type:	SMD 3030	Battery Capacity :	12.8W 78Ah
Number of battery cycles:	1500 times capacity 70%		

CONTROLLER

Control Mode:	MPPT
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SYSTEM CONNECTION

Single system connection



Multi-system connection

