

SOLAR LED



**SOLARNATOR**

## SOLARNATOR

The Solarnator is the newest solar fitting by Phoenix EMS. It is 360° horizontally adjustable and ±60° elevation angle adjustable. The Solarnator's 12 hour working mode is designed to last for 7 rainy days and an adopted mono-crystalline solar panel with a quick charge LiFePO4 battery. The spigot is fitted with a pluggable waterproof connector in all terminals which makes installation quick and easy.



## TYPICAL APPLICATIONS



Urban and Rural Roads, Highways, Water Dikes, Bridges, Parks, Industrial Areas, City Squares, Residential Areas

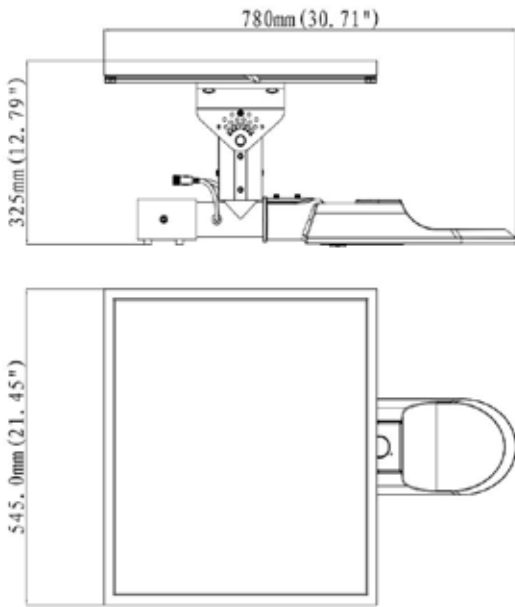
## SPECIFICATIONS

Model	PLISOL20	PLISOL30
<b>Optical Characteristics</b>		
Rated Wattage	20W	30W
Lumens	3000	4500
System Efficacy	150Lm/W	
Colour Temperature CCT	5000K / 4000K / 3000K	
CRI (Ra)	>70 (>80 Optional)	
Reported L70	>50,000 Hours (Ta=30°@L70)	
Lens Optic Type	Type II	
<b>Solar Characteristics</b>		
Solar Panel	50W	90W
Photovoltaic Panel	Monocrystalline Photovoltaic Panel	
LiFePO4 Battery	25AH/160WH	36AH/230WH
Charging Time	6-7 Hours	
Run Time (Full Power)	12 Hours	
Maximum Autonomy	7 Rainy Days	
<b>Environment</b>		
IP Rating	IP66	
Impact Rating	IK08	
Operating Temperature	- 20°C To 50°C	
<b>Product Material and Mounting</b>		
Option 1	Side Entry (60MM Spigot + Bracket)	
Option 2	Post Top (60MM Spigot + Bracket)	
Product Material	Aluminium Alloy	
Lens / Optics Material	Polycarbonate Lens	
<b>Dimensions and Weights</b>		
Product Dimensions	Refer to dimensions below	
Product Weight	16.0KG	20.6KG
Gross Weight	19.8KG	24.9KG
<b>Warranty &amp; Certifications</b>		
Warranty	5 Year Warranty	
Certifications	CE	

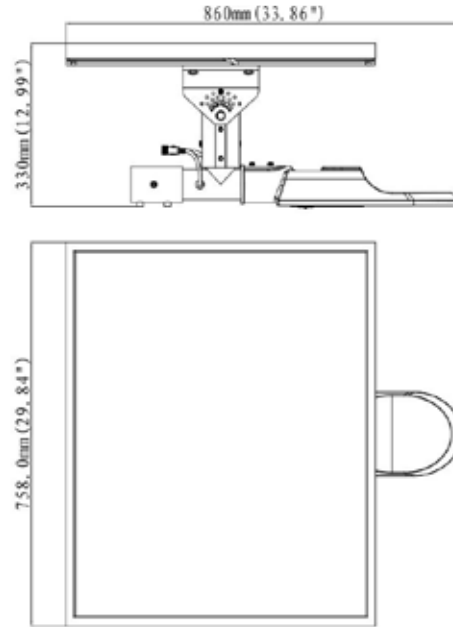
**DIMENSIONS**

**SIDE ENTRY**

**20W**

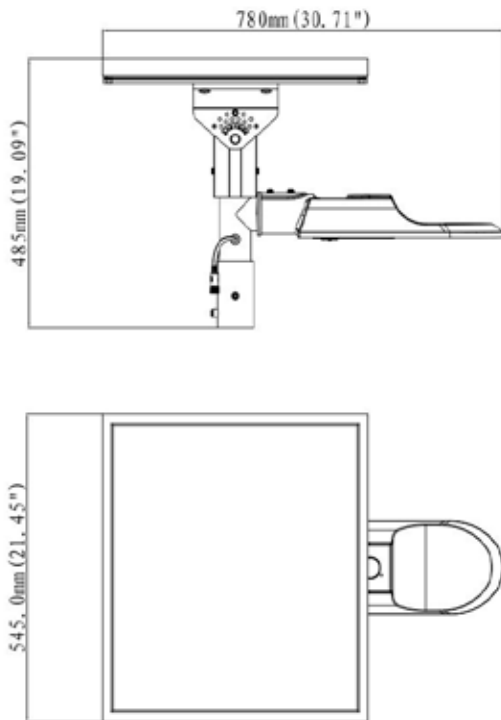


**30W**

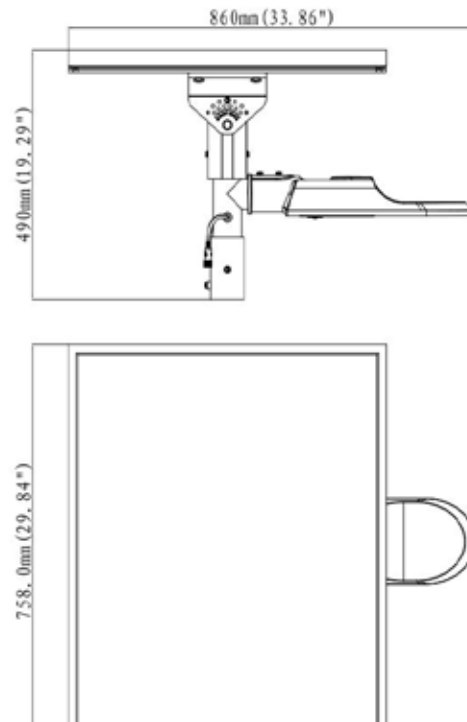


**POST TOP**

**20W**



**30W**



ORDERING METHODOLOGY

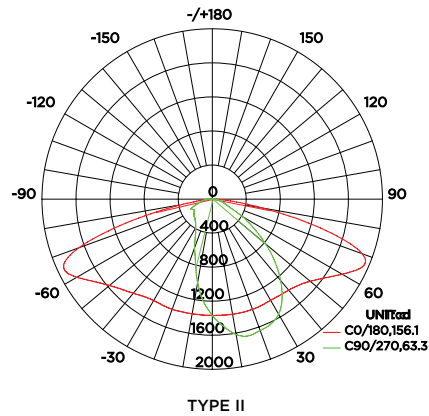
**PLI-SOL**

<b>XX</b> WATTS	<b>XX</b> CCT	<b>X</b> MOUNTING
20W 30W	50 (5000K) 40 (4000K) 30 (3000K)	S (SIDE ENTRY) P (POST TOP)

ACCESSORIES

- |                       |           |
|-----------------------|-----------|
| 60MM SPIGOT + BRACKET | PLISOL/SP |
| LiFePO4 BATTERY       | PLISOL/B  |
| SOLAR PANEL           | PLISOL/P  |

PHOTOMETRIC DIAGRAMS



MOUNTING OPTIONS



POST TOP



SIDE ENTRY

