

# YSSL-100W DC/AC

LED Street & Roadway Light



## MORE

Efficient , Economic and Safe.

## EASY

To Sell , To Transport, To Install.



### LED Street & Roadway Light

The new generation of high efficiency LED Street Lights incorporates the latest technology by using a high power light emitting diode (LED) chip, providing the best Lumens/Watt relation in the market. Also, featuring higher brightness intensity, a uniform light distribution and a better thermal management system compare to the old MultiLED technologies.

Yake Solar's LED Street Lights offer the perfect cost-efficiency relation, a combination of LED technology with the use of solar energy generated by complete standalone system with no need of expending from the utility grid.

### Key Features:

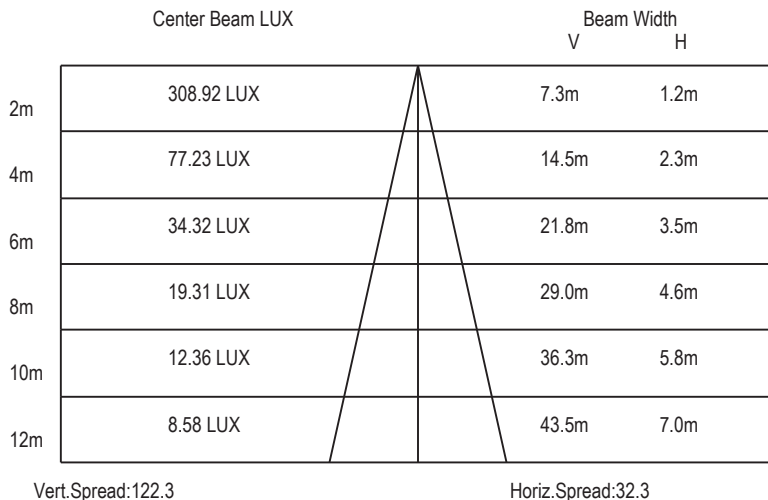
- Durability and long life: >50,000h (approx. 10 years)
- Improved lighting quality
- Removes costs of electricity consumption
- Maintenance free
- Pollutant free (mercury and sodium free)
- Reduce carbon emissions (CO2) by replacing energy produce by non-ecofriendly means.

### Application:

Yake Solar's LED Street Lights are mainly used in solar energy lighting set ups and placed in city roads, uptown, industrial areas, footways, access and perimeter roads.

**Note:** Yake Solar's LED Street Lights are optionally manufactured in AC configuration as well, providing energy savings over 60% compared to other alternatives on the market (like HPS, LPS, FL, INC and many others) while maintaining the same photometric and power consumption parameters.

### Illuminance at a Distance



### TECHNICAL DATA

ELECTRICAL SPECIFICATIONS		
Input Voltage	DC 24V	AC OPTIONAL (AC 85V - 265V / 50 - 60 HZ)
Total Harmonic Distortion (THD)	< 9%	
Power Factor	> 0.9	
LED Working Voltage	DC 30 - 36V	
LED's Quantity	2 PCS	
Total LED Power	80W	
Rated Power	100W	
Power Efficiency	> 80%	
Lamp's Efficiency	> 90% ( > 90Lm/W )	
Power Line Gauge	0.75mm2	
Connection	Brown	Positive ( + )
Wires	Blue	Negative ( - )
	Yellow/Green	Ground ( G )
LIGHTING SPECIFICATIONS		
Luminous flux ( Lumens )	Cool Light ( C )	9000 Lm
	Natural Light ( N )	8500 Lm
	Warm Light ( W )	8000 Lm
Color Temperature	Cool Light ( C )	5000 - 5650 K
	Natural Light ( N )	4100 - 4500 K
	Warm Light ( W )	3050 - 3250 K
Color Rendering Index	W	Ra > 80
	N, C	Ra > 75
View Angle	120° ( Batwing )	
OPERATING SPECIFICATIONS		
Light Design	LED + Secondary light distribution lens	
LED Junction Temperature	< 80°C	
Working Temperature	-40°C - +55°C	
Storage Temperature	-25°C - +65°C	
IP Grade	IP65	
Working Life-span	>50,000 H	
MECHANICAL SPECIFICATIONS		
Mounting Hole Size	Ø 50 mm - Ø 60 mm	
Dimension of the Product	760x360x160 mm	
Net Weight	13.5 Kg	
Packing Dimension	838.2x406.4x254 mm	
Total Weight	13.6 Kg	
Color of the Lamp Shell	Grey	

