

YSSL-60W DC/AC

LED Street & Roadway Light

YAKE
SOLAR

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.

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	50W	
Rated Power	60W	
Power Efficiency	> 80%	
Lamp's Efficiency	> 90% (> 90Lm/W)	
Power Line Gauge	0.75mm ²	
Connection	Brown	Positive (+)
Wires	Blue	Negative (-)
	Yellow/Green	Ground (G)

LIGHTING SPECIFICATIONS

Luminous flux (Lumens)	Cool Light (C)	5400 Lm
	Natural Light (N)	5100 Lm
	Warm Light (W)	4800 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

Illuminance at a Distance

	Center Beam LUX	Beam Width	
		V	H
2m	199.78 LUX	7.3m	1.2m
4m	49.94 LUX	14.5m	2.3m
6m	22.20 LUX	21.8m	3.5m
8m	12.49 LUX	29.0m	4.6m
10m	7.99 LUX	36.3m	5.8m
12m	5.55 LUX	43.5m	7.0m

Vert.Spread:122.6

Horiz.Spread:32.3

