

# YSSL-40W DC/AC

LED Street & Roadway Light



## MORE

Efficient , Economic and Safe.

## EASY

To Sell , To Transport, To Install.



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 rural, uptown roads, industrial areas, footways, parks, schools, parking lots, gardens or villas.

**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 12V
	<b>AC OPTIONAL</b>
	(AC 85V - 265V / 50 - 60 HZ)
Total Harmonic Distortion (THD)	< 9%
Power Factor	> 0.9
LED Working Voltage	DC 30 - 36V
LED's Quantity	1 PCS
LED Power	35W
Rated Power	40W
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 )	3600 Lm
	Natural Light ( N )	3450 Lm
	Warm Light ( W )	3300 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°

#### OPERATING SPECIFICATIONS

Light Design	LED + Reflector
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

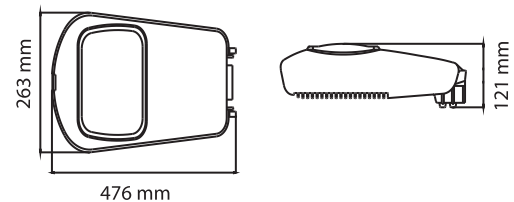
Mounting Hole Size	Ø 50 mm
Dimension of the Product	476x263x121 mm
Net Weight	3.9 Kg
Packing Dimension	508x355.6x177.8 mm
Total Weight	4.5 Kg
Color of the Lamp Shell	Grey

### Illuminance at a Distance

	Center Beam LUX	Beam Width	
		V	H
2m	489.53 LUX	3.7m	3.6m
4m	122.38 LUX	7.5m	7.3m
6m	54.39 LUX	11.2m	10.9m
8m	30.60 LUX	15.0m	14.5m
10m	19.58 LUX	18.7m	18.2m
12m	13.60 LUX	22.5m	21.8m

Vert.Spread:86.3

Horiz.Spread:84.6



Light Distribution Curve [Unit: cd]

