

ZRW LU1 LED STREET LIGHT



Model Name	LED Street Light
Model No.	LU1
Power Consumption	28W
Luminous Flux	2,100lm
Working Voltage	85-264VAC
Life Span	>50,000 Hours
IP Rating	IP60
Certificates	CE, RoHS, UL Pending
MOQ	5 pcs
Payment Term	T/T, L/C
Warranty	36 Months



Item	Model	LU1
Input Voltage		AC 85 ~ 264 V
Frequency Range		47 ~ 63 Hz
Power Factor(PF)		>0.9
Total Harmonic Distortion (THD)		<20%
Power Efficiency		83 %
Working Voltage		24V DC
LED Consumption		28 W
Power Supply Consumption		7 W
LED Luminous Efficiency		≥80 lm/w
LED Initial Flux		2,500 lm (T _j =25°C)
LED Maintain Flux		2,300 lm (T _j =70°C, T _a =25°C)
Lamp Output Flux		2,100 lm (T _j =70°C, T _a =25°C)
Lamp's Efficiency (%)		>90 %



- Maintenance free long life up to 100 000hrs use - up to 12 hours lighting per night
- Uses up to 10 times less kW power than conventional HPS, LPS, MH & MV lighting
- Latest High energy efficient LED technology
- Over 5000 units installed already
- LU1 LED able to be simple direct replacement for conventional 220VAC street luminaire
- See table to right for comparison with HPS
- LU1 LED is used in solar street lighting – no wiring, simple installation, clean/green energy
- ZRW manufactures complete solar street light system in South Africa – 4m to 12m heights
- Pure white and soft white light options

Items	High Pressure Sodium	BBE LED Street Light
Photometric Performance	Bad	Excellent
Radiator Performance	Bad	Excellent
Electric Performance	Electric Shock Easy(High Voltage)	Safe (Low Voltage)
Working Life	Short (5,000h)	Quite Long (>50,000h)
Working Voltage Range	Narrow (±7%)	Wide (±20%)
Power Consumption	Quite High	Quite Low
Startup Speed	Quite Slow(Over 10minutes)	Rapid (2s)
Strobe	Yes(Alternating Current Drive)	No(Direct Current Drive)
Optical Efficiency	Low	High
Color Index/ Distinguish Feature	Bad, Ra< 50(The Color Of Object Is Faith, Boring, Hypnosis)	Good, Ra>75(The Color Of Object Is Fresh, Veritable And Comfortable)
Color Temperature	Quite Low (Yellow Or Amber , Uncomfortable)	Ideal Color Temperature (Comfortable)
Bad Glare	Strong Glare (Dazzle)	No Harmful Glare
Light Pollution	Strong	No
Heating	Serious (>300°C)	Cold Light (<60°C)
Lampshade Turn	Easy (Absorb Dust)	No (Static Proof)



Other Products in the ZRW Range



Solar Panels



Inverters



Solar Streetlights



Solar Batteries



Solar Pumps



Accessories



Solar Controllers



LED lights