

KS-A084T4



SN	Solar & Wind LED Street Lighting System	Product Code /Specs.	Description	Quantity
1	LED street light head for wind-solar hybrid	KS-A084T4 24V	84*1W LEDs, aluminium alloy housing,IP66	1
2	Miniature wind driven power generator	KS-A400L 24V	Complete with wind turbine, rotor blade and vertical fin	1
3	Controller	KS24400	For charging control,protecting battery and turbine. Working with solar energy(≤150W)	1
4	Solar panel and holder	90W 12V	120W/12V Monocrystalline silicon/polycrystalline silicon	2
5	Storage battery	200AH 12V	200AH 12V Valve regulated lead acid battery	2

Luminaire Technical Parameters

Luminaire Code	KS-A084T4
Input Voltage	DC 20-29V
Max input current	DC 2A
The max power consumption of the 2 control lines	DC 3MA+3MA
LED Consumption	84W
LED Luminous Efficiency	>90Lm/W
LED Initial Flux LED	>7560Lm
Lamp's Efficiency	90%
Average Illumination @ 6M height	>32.5LUX
Average Illumination @ 8M height	>18.5LUX
Average Illumination @ 10 M height	>11.5LUX
Effective Illumination Area @ 6M height	7.2x21M ₂
Effective Illumination Area @ 8M height	9.6x28M
Effective Illumination Area @ 10M height	12x35M ₂
Color Temperature	4000-5500K
Color Rendering Index(CRI)	Ra.75
Light Distribution Curve/Beam Pattern	Bat wing/Rectangular beam
Junction Temperature(Tj)	<75℃
Working Environment	-40℃-50℃
IP Rating	66
Working Life	>50000 hours
Lighting Bode & Lamphshade material	Aluminum alloy

Characteristics:

- Switching light on is optically controlled and switching light off is time controlled
- Pole height:12M,light mounting height:10M
- If the yearly average wind speed is 3.5m/second, this power generation system can meet the demand to supply the lighting system with electricity 8-10 hours each day averagely
- In rainy days, there is no wind and no sunshine, this power generation system can supply electricity for 3 days constantly

