

# DARKSKY-ZE03

Simply **NATURAL**  
Solar Streetlight.



# DARKSKY ZE03

The **Darksky ZE03** solar city light efficiently brightens recreational spaces, gardens, and pathways with 360-degree glare-free lighting, powered by solar energy and designed for off-grid use. Its elegant, aesthetic design enhances both home and hospitality environments, offering a stylish yet functional solution with zero operational costs. Featuring built-in lighting programs, the light's power and working time can be easily adjusted via remote control to suit your needs.



**DarkSky**  
**Friendly** 🤝



LiFePO4  
Battery



Intelligent  
Control



High brightness  
LED beads



Biodiversity  
Protection



IP65  
Waterproof



Designed  
Aesthetically



Remote  
Control



## DARKSKY ZE03 Vertical Solar Garden Pole

The Pinnacle of Luxury Architectural Lighting & SolarWrap™ Technology

The ZE03 **Vertical Solar Garden Pole** represents a revolutionary leap in outdoor lighting design. By integrating our patented **SolarWrap™ vertical solar modules** with advanced battery storage and high-efficacy LED optics, ZE03 eliminates the need for bulky, tilted solar panels.

Designed for high-end landscape applications such as luxury villas, premium public parks, and high-security residential areas, the ZE03 offers a sleek, cylindrical aesthetic that complements modern and classical architecture alike while providing unmatched off-grid reliability.



**ZE03** is not just a light—it is a sustainable statement for the future of urban and landscape development.

**Sta®LED Darksky ZE03**

The **ZE03** villa-style solar street light features a unique design that combines cutting-edge technology with the SolarWrap vertical solar module and a state-of-the-art battery. The light head consists of a die-cast aluminum housing and an LED chip with an ultra-powerful luminous flux of up to 200 lm/W.

The **ZE03** incorporates a state-of-the-art LifePO4 battery pack with a lifespan of up to 4000 cycles (DOD 50%) and an autonomy of 4 days, guaranteeing uninterrupted operation of the lighting even in the most adverse weather conditions.

The **ZE03** villa-style solar street light stands out for its attractive design and is especially suitable for luxury and high-end installations, such as villas, parks, gardens, etc.



## Key Features & Advantages:

### SolarWrap™ Vertical PV Integration:

Our proprietary 360° vertical solar module wrap maximizes energy harvest from all angles. The vertical orientation prevents dust accumulation, bird droppings, and snow buildup, ensuring peak charging efficiency in harsh or remote environments compared to traditional flat panels.

### Ultra-High Luminous Efficacy:

Featuring 140 units of SMD3030 LED chips, the **ZE03** luminaire delivers a powerful output of over **4,500 lumens**, providing brilliant, uniform illumination for safety and ambiance.

### Superior Energy Storage:

Powered by a next-generation **LiFePO4 battery pack** with a lifespan of over **4,000 cycles** (@50% DOD). This system special for **ZE03** provides 4 days of autonomy, ensuring the lights stay on even during extended periods of overcast or rainy weather.



## MAIN PARAMETERS

Model Name	DARKSKY ZE03	Control Method	Automatic ON/OFF dusk to dawn
LED Power	30W	Solar Charge Controller	High Efficiency 97% MPPT
Luminous Flux	4,500lm max	Remote Type	2.4G radio
Beam Angle	120 °	Operation Distance	up to 30 meters
CRI	Ra ≥80	Sensor Type	Microwave sensor
CCT (Dual color)	2200+2700/3000K+4000K/3000K+6000K	Working Temp.	-15°C~+70°C
LED Lifetime	>100,000 hours	Pole Diameter to Fit	76mm
Solar Panel	300W 36V MONO (220*220*2020mm)	Package Size	62*62*26cm
Solar Panel Efficiency	>22.5%	IP & IK Rate	IP65 IK10
LiFePO4 Battery	12.8V 48AH 307WH	Certificates	CB CE ROHS IP65 LM79 LM80, MSDS
Battery Lifetime	6000 cycles @ D.O.D 50%	Fixture Material	Aluminium die casting + Tempered glass
Charge & Discharg time	4 hours & >24 hours	Fixture Color	RAL9011/RAL 7016
Autonomy	2-3 days in motion detection mode	Warranty	5 Years

# PRODUCT FEATURE



All in one



Dusk to Dawn automatically ON/OFF



Wild animals friendly with 2200K warm colors

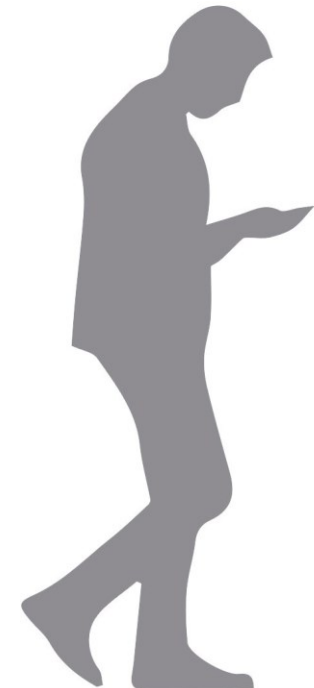


4H / 6H / 12H optional changeable by remote



Green energy from the sun never pay electricity bill

**Pole**  
4 m x 3mm  
Detachable



4000 cycles class A LiFePO4 battery unit



Dual CCT is changeable between two colors



**Solar Panel**  
300WP

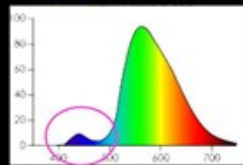
**Battery**  
inside  
610 WH

# Solution against the LIGHT POLLUTION

2200K



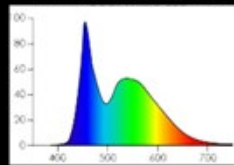
WARM WHITE LED



5000K



COOL WHITE LED



Serie MI



NEW GENERATION  
NATURAL LIGHT



Sta®LED Darksky ZE03



Sta@LED Darksky ZE03

NOW... YES,  
NOW IT is technically  
and economically  
POSSIBLE!



## Applications

- Street, Road
- Bike Track, Pathway
- Residential, Villa
- Public Area, Park, Car Parking Lot
- Jetties, Coastal, Marina, Dock





*It's in our hands to improve everything possible!*



**Ecological and sustainable lighting for people, animals & plants, with no monthly costs.**

# Color temperature control



Sta®LED Darksky ZE03

**DARK SKY FRIENDLY**  
for a better  
**FUTURE**



**Sta®LED Darksky ZE03**

