

# altitude

A solar streetlight that stores energy. The Altitude streetlight integrates and *powers the following technologies.*



Up to 15 nights' lighting without recharging



Up to 4 solar panel modules



No excavation or electrical wires to bury



Remotely controllable via Web platform

## Solidel technology

We manufacture lamp posts with vertical solar panels that harvest the sun's rays over 360 degrees.

Our modular lighting solutions can be adapted to a variety of uses, and are effective in winter conditions where hours of sunlight diminish.

Installed on self-supporting or buried concrete bases, our solar-powered streetlights can be moved around.



Moveable



Maintenance-free



Self-sufficient

### Lighting

DEL 60 Watts

### Simple stem

double stem (option)  
painted aluminum

### Solar panels

400 Watts per section

### Square post

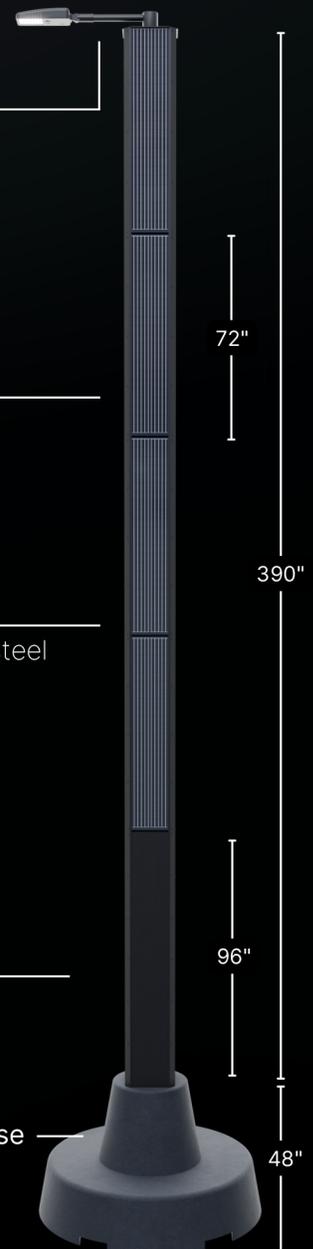
16" x 16" painted galvanized steel

### Extra batteries\* (optional)

2560 Wh / battery (optional)

### Self-supporting concrete base

bench (optional)



# Solidel®

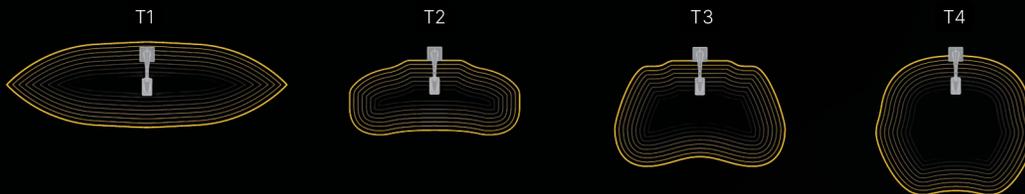
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\*We adjust the number of batteries required to suit your lighting needs.

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If you think the words *high performance* and *solar energy* can't coexist, think again.

## Light distribution



## Lighting specifications

Source efficiency	180 lm/W
Source power	60 Watts/head
Lumens delivered	6 800 lm/head
Color temperature (CCT)	2 200K, 3 000K, 4 000K, 5 000K
Luminous flux conservation <sub>L70</sub>	≥100 000 hours
Type of light distribution	T1 - T2 - T3 - T4
Water/dust tight	IP67

## Photovoltaic system

Solar module power	400 W/module
Battery capacity	2 560 Wh
Battery type	25.6V Lithium, Fer & Phosphate
Autonomy nights	Up to 15 nights
Operating temperature range	-40°C +60°C

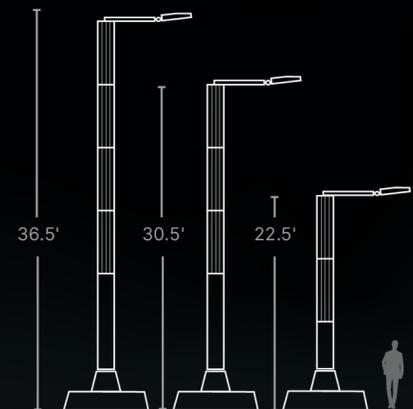
## Warranties (pro rata)

Solar panels	10 years
Ligthing	5 years
Battery	5 years
Control	5 years

## Posts

Material specifications	Galvanized steel and powder-coated stainless steel
Total height (approx.)	1 module : 14 feet (4,27 meters)
1, 2, 3 and 4 solar panel modules	2 modules : 22.5 feet (6,70 meters)
	3 modules : 30.5 feet (9,14 meters)
	4 modules : 36.5 feet (10,97 meters)

## Dimensions



## Main applications



## Altitude benefits

- + 1 to 4 solar panel modules
- + Up to 4 luminaires per lamp post
- + Up to 15 nights of lighting
- + Self-supporting or buried concrete base
- + Remote control via Web platform
- + Integration of technologies (Wi-fi, surveillance camera, LED display, motorized gate and more).

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