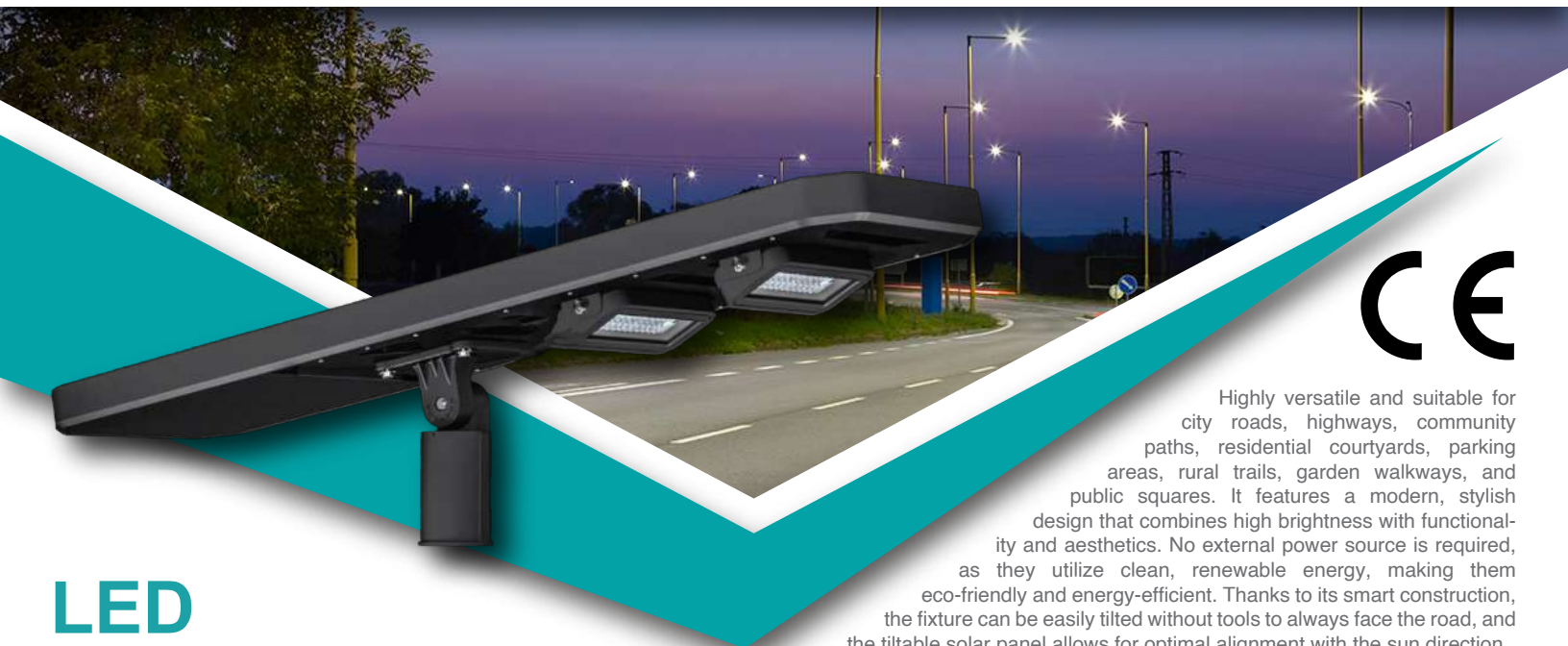




CE

Highly versatile and suitable for city roads, highways, community paths, residential courtyards, parking areas, rural trails, garden walkways, and public squares. It features a modern, stylish design that combines high brightness with functionality and aesthetics. No external power source is required, as they utilize clean, renewable energy, making them eco-friendly and energy-efficient. Thanks to its smart construction, the fixture can be easily tilted without tools to always face the road, and the tiltable solar panel allows for optimal alignment with the sun direction. Optional cameras can be added for enhanced security.

LED Professional Solar Street Light

Features and benefits

- The lamp adopts integrated structure design, with better heat dissipation design and longer life. No external power source is required.
- Independent tiltable solar panel and LED module to always match the optimal orientation and direction
- Tiltable solar panel ensure maximized charging efficiency
- Smart construction, so the luminaire can be tilted without tools
- Aluminum body and tempered glass diffuser, resistant to impacts and UV rays
- MPPT controller, offers the best charging efficiency: up to 98%
- Microwave Motion Sensor: up to 360° directivity.
- 365 days uninterrupted power

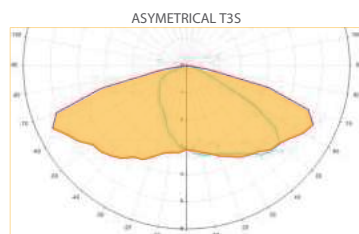
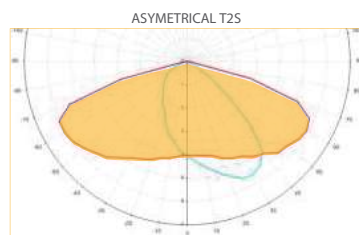
Applications

- Street lighting, sidewalk, roadway, fence, pathway, campus, park, garden, ramp, boat dock, remote area, farm and ranch lighting.



CE **ROHS
COMPLIANT**

Distribution curve



MPPT Controller



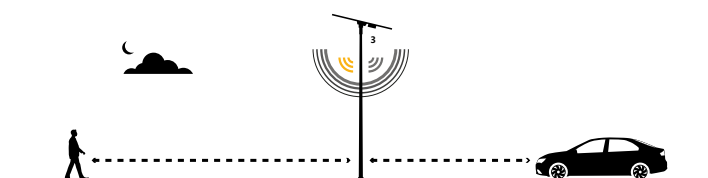
Microwave Motion Sensor



	Sunset	Night	Sunrise
Pr 1	3 hours	9 hours	
Pr 2		12 hours	

☐ 100% ON

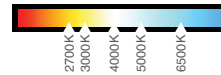
☒ Presence sensor 30% - 100%



Technical specifications

Product code	Power	Light output	Solar panel	Capacity
ZL40WXXK-SL03	40W	6400lm	50W/18V	192WH (3.2V)
ZL60WXXK-SL03	60W	9600lm	80W/18V	288WH (3.2V)
ZL80WXXK-SL03	80W	12800lm	100W/18V	400WH (3.2V)
ZL100WXXK-SL03	100W	16000lm	110W/18V	480WH (3.2V)
**ZL100WXXK-SL03-PRO	100W	16000lm	150W/18V	768WH (3.2V)
ZL120WXXK-SL03	120W	19200lm	120W/18V	640WH (3.2V)
ZL150WXXK-SL03	150W	24000lm	150W/18V	768WH (3.2V)

**** Special working mode:** 4 Hours - 100%
4 Hours - 50%
4 Hours - 25%



• **XX** denote the color temperature. When is **XX=27-30-40-50-65**, stands for 2700K - 3000K - 4000K - 5000K - 6500K

LED chips	High Bright 3030
LED lifetime	Over 50,000 hours LM80
Optics / CCT	TII, TIII / 2700K to 6500K
Light height	From 6 to 15 meters
Battery technology	Lithium Iron Phosphate LiFePo4
Autonomy	Over 24 hrs @ full charge - 4 rainy days back up
Charging time	5 - 6 hours
Lifespan	Over 5000 cycles @ 50% DOD, over 5 years Lifetime
Working temperature	-10°C to 70°C - (optional -40°C to 70°C)
Cells type	Monocrystalline Panel Grade A 25 years
Certificates	IEC 61215 - IEC61730 I and II - IEC 60904
Controller	MPPT Smart Controller
Sensor	Microwave 360° Motion Sensor
Protection	Battery Management System (BMS) / IK08 Rated
Pole mounting	50mm - 70mm
Material	Die-cast aluminum alloy body / Tempered flat glass diffuser
Luminous efficiency (lm/W)	160lm/W
N.W/pc / Carton size	40w - 9kg / 94.5x44.2x18cm 60w - 9.9kg / 113.5x44.2x18cm 80w - 12kg / 138.5x44.2x18cm 100w - 12.8kg / 138.5x44.2x18cm 120w - 17kg / 166.5x44.2x18cm 150w - 20.5kg / 166.5x51.5x18cm

Optional

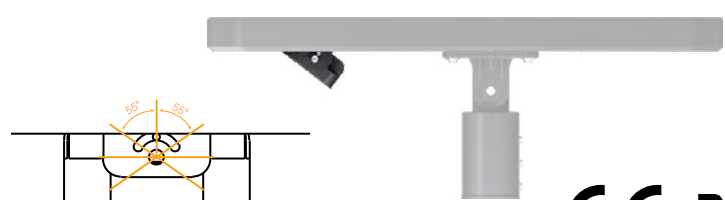
ZLPOLE-01-6M	Galvanized steel pole - Black finish	6 meters height
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Tiltable Solar Panel

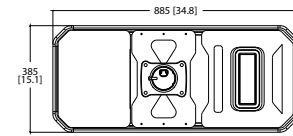


NOTE: Installation pole NOT included, sold separately. Available upon special request.

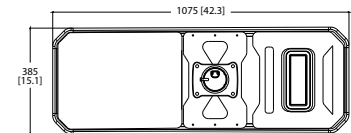
Tiltable luminaire



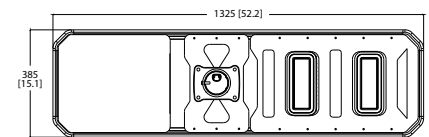
Dimensions



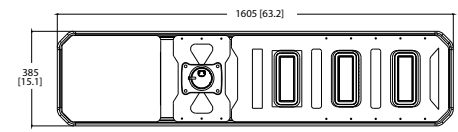
ZL40WXXK-SL03



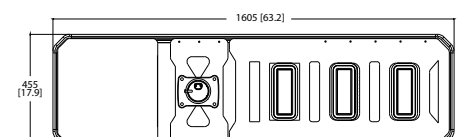
ZL60WXXK-SL03



ZL80WXXK-SL03 / ZL100WXXK-SL03



ZL120WXXK-SL03



ZL150WXXK-SL03 / ZL100WXXK-SL03-PRO

