

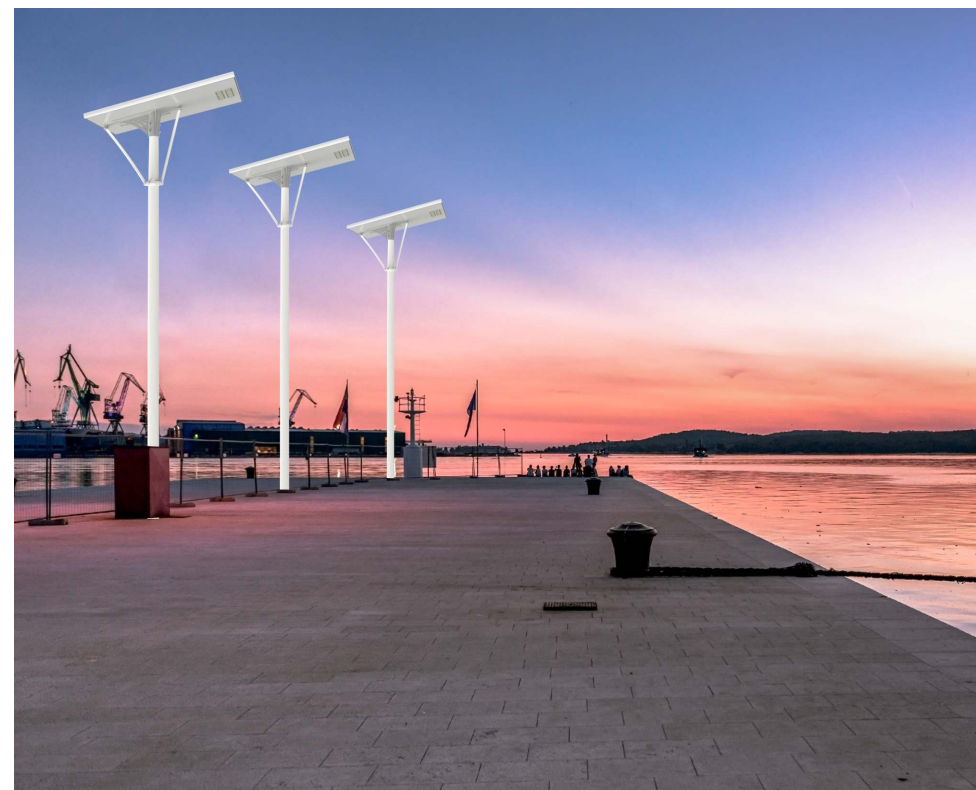
LED SOLAR STREET LIGHT

BRITE II



Unilumin

TOGETHER, FOR A BRIGHTER FUTURE



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Published: November 2023

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About Unilumin

Established in 2004, is a world-class LED lighting and display solution provider. As a key business of Unilumin Group, Unilumin Lighting has established a firm foothold in the LED lighting industry and has been a trusted global partner offering comprehensive lighting solutions and exceptional customer service. Our relentless dedication to R&D and customer satisfaction has positioned Unilumin as a top LED lighting brand, known for our worldwide presence and core competitive edges.

Why Choose Unilumin



16 Years of Outdoor Lighting Expertise



ISO/IEC 17025 Accredited LAB & Precise Automatic Production



Flexible Customization Services



Recognized by Clients in Over **80** Countries



SunMaster Brite II High Power Series

Brite II, the ultimate high-power all-in-one solar street lights designed to meet demanding lighting needs. With its reliable aluminum alloy housing and superior protection against harsh conditions, it delivers stable performance for diverse applications with no limits. Benefiting from high efficiency and premium LEDs, Brite II can minimize your electricity costs and carbon emissions, which can make a big difference for both you and the world.

Features & Benefits

1. High-strength aluminum alloy construction, robust and reliable
2. Wind-resistant up to 130km/h, high structural integrity
3. High-efficient monocrystalline silicon solar panels for fast-charging
4. LiFePO4 battery for longer service life, safety, and stability
5. Intelligent charge and discharge management
6. Various optical lenses are available
7. Remote control for easy adjustment of working modes

Application



Urban &
Residential
Street



Pedestrian
Path



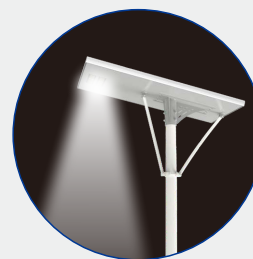
Park &
Square



Rural
Road



Bridge

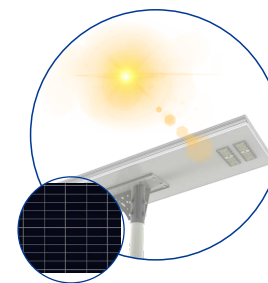


High-power solar lighting

Enhance visibility and energy efficiency even in areas requiring extensive lighting

Monocrystalline solar panel

Maximize energy conversion and optimize charging capabilities

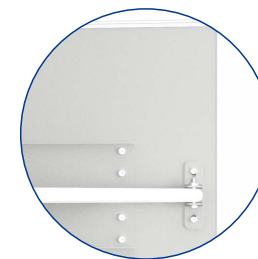


Sturdy solar panel support design

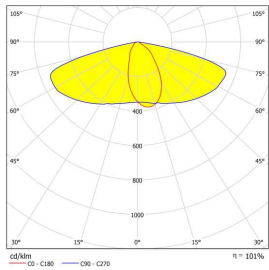
Ensure unwavering stability even in the harshest environment

Anti-corrosion aluminum alloy housing

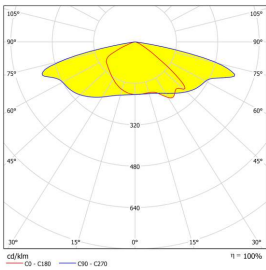
Durable and reliable from transportation to installation and daily use



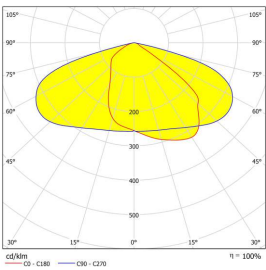
Light Distributions



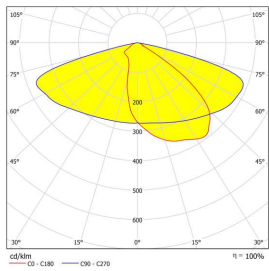
Type II (UNI-595)



Type II (UNI-728)



Type II (UNI-838)



Type II (UNI-908)

3030 Light Source

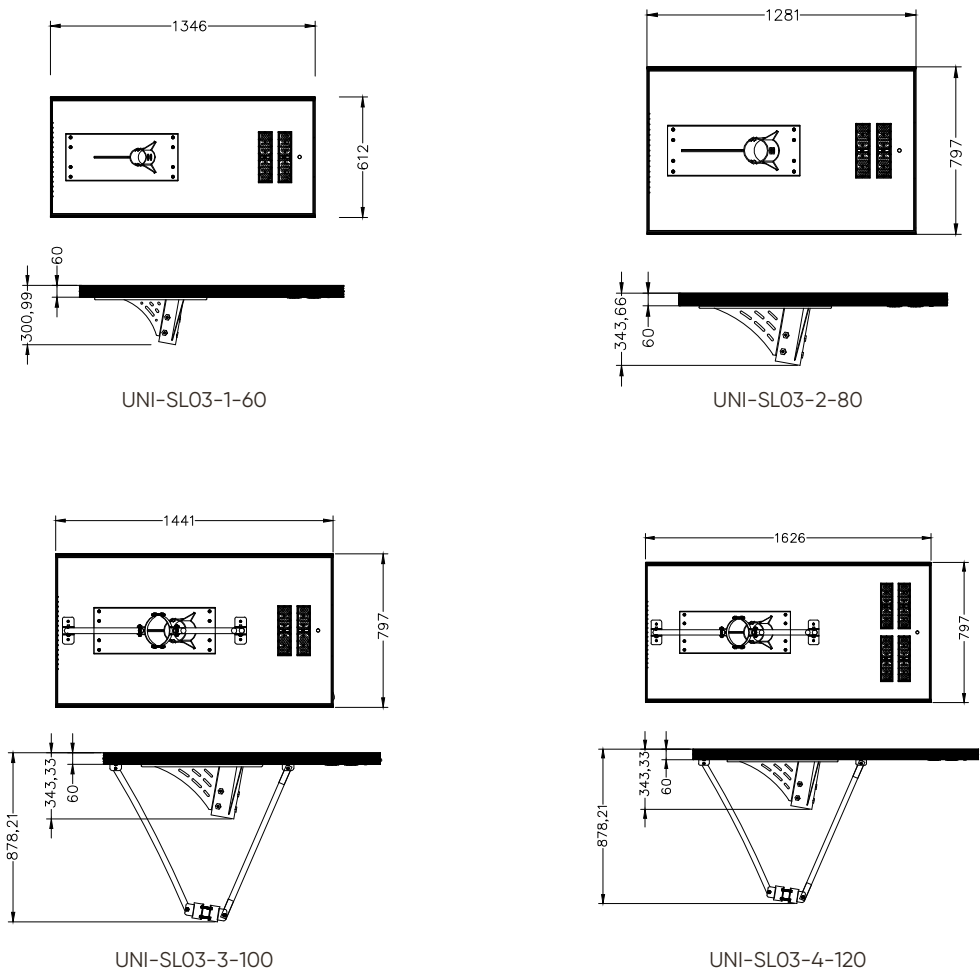
Power(W)	LED QTY(pcs)	Light Distribution	5700K Ra70@Tq=25°C	
			Luminaire Efficiency	Luminous Flux
50	120	UNI-595 UNI-908	180 lm/W	9000 lm
80	180			14400 lm
100	210			18000 lm
120	240			21600 lm

5050 Light Source

Power(W)	LED QTY(pcs)	Light Distribution	5700K Ra70@Tq=25°C	
			Luminaire Efficiency	Luminous Flux
50	30	UNI-728	180 lm/W	9000 lm
80	48			14400 lm
100	60			18000 lm
120	72			21600 lm

Power(W)	LED QTY(pcs)	Light Distribution	5700K Ra70@Tq=25°C	
			Luminaire Efficiency	Luminous Flux
50	32	UNI-838	180 lm/W	9000 lm
80	48			14400 lm
100	64			18000 lm
120	80			21600 lm

Dimensions



Parameters

Product Model	UNI-SL03-1-60	UNI-SL03-2-80	UNI-SL03-3-100	UNI-SL03-4-120
System Voltage	12V	24V	24V	24V
System Power (W)	60	80	100	120
Monocrystalline Solar Panel	150W/18V	180W/36V	210W/36V	240W/36V
LiFePO4 Battery	12.8V/90AH	25.6V/60AH	25.6V/80AH	25.6V/90AH
Charge Time (H)	8.6	9.5	10.9	10.7
Full Power Working Time (H)	19			
Luminous Flux (lm)	9000-10800	12000-14400	15000-18000	18000-21600
Luminaire Efficacy (Tq=25°C)	150-180lm/W			
Overcast Days	2-3 Days			
CCT	3000K/3500K/4000K/5000K/5700K/6500K			
SDCM	≤5			
CRI	Ra>70			
Housing Materials	Aluminum Housing + Extruded Aluminum Frame + PC			
IP/IK	IP65 / Ik08(Solar panel: IK07)			
Insulation Class	Class III			
Spigot Diameter (mm)	Φ 78	Φ 104	Φ 104	Φ 104
Luminaire Dimension (mm)	1346*612*300	1281*797*343	1441*797*343	1630*797*343
Luminaire Packing Dimension (mm)	1425x690x600 (5PCS)	1365x876x600 (5PCS)	1520x876x600 (5PCS)	1706x876x600 (5PCS)
Base Packing Dimension (mm)	665X335X320	725X335X320	725X335X320	725X335X320
Struts Packing Dimension (mm)	/	/	935X270X130	935X270X130
Net Weight (±0.5kg)	142.5	205	230	245
Gross Weight (±0.5kg)	182.5	255	280	295

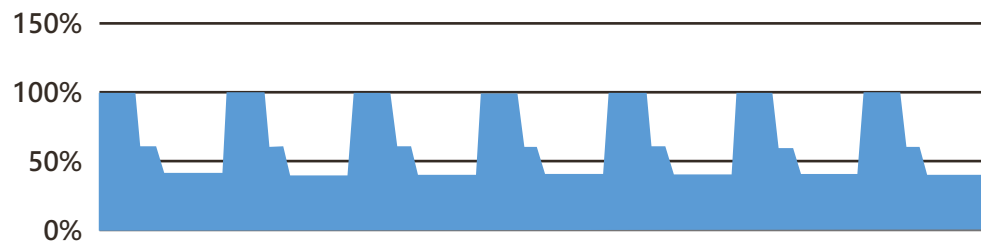
Note: The tolerance of Luminous Flux is ±7%

Working Mode

4H-100% brightness, 2H-60% brightness, and 6H-40% brightness, with intelligent management for extended runtime.

Summer, spring, and autumn: With longer peak sunlight hours (4.5 PSH), the solar panel can charge the battery to 50%-60% during the day, ensuring sufficient power for night-time illumination. The light fixture can operate continuously in the standard working mode, meeting lighting needs throughout most of these seasons. from zero to full charge (100%), the battery only requires 3 days.

When the peak sunshine hours are enough(≥ 4.5 PSH)



Winter: Limited peak sunlight hours (4 PSH) and extended periods of overcast or rainy days result in insufficient solar radiation (peak sunlight ≤ 2.5 PSH) to fully charge the battery for the standard operating mode. A fully charged battery can sustain approximately 2 days of normal operation before the system automatically adjusts brightness to ensure basic lighting functionality. This condition persists until weather conditions improve. :

When the peak sunshine hours are not enough(≤ 2.5 PSH)

