

40W-50W Outdoor LED Solar Street Light

This LED solar street light features a high-pressure die-casting aluminum body and is corrosion resistant. It is designed with SS304 stainless steel fastener bolts and screws and has an arm diameter of 60mm.



Product Overview

High-Efficiency Outdoor Solar Lighting

This 40W-50W LED Solar Street Light is engineered for professional outdoor and industrial applications, featuring a robust high-pressure die-casting aluminum body for superior corrosion resistance. Equipped with high-performance LED chips delivering over 160LM/W, it provides reliable, energy-efficient illumination for streets and parking lots. The integrated system ensures autonomous operation with a lifespan exceeding 80,000 hours, making it a durable and low-maintenance solution for B2B sourcing needs.

Performance Metrics



The high-efficiency LED array provides up to 160LM/W for superior brightness.

Key Performance Indicators

160 LM/W

Luminous Efficacy

80000 Hrs

Rated Lifespan

67

IP Rating

Ingress Protection

IP67 • Weatherproof • Corrosion Resistant

Technical Parameters

Lighting Specifications

Parameter	Value
LED Power Range	40W - 100W
Color Temperature (CT)	2700K - 6500K
Color Rendering Index (CRI)	> 80
Lamp Efficiency	> 92%
Power Factor	> 0.95
Central Illuminance	> 35 LX
Light Dissipation Angle	70 - 140 Degrees

Material & Construction



Robust aluminum construction with integrated heat sinks for optimal thermal management.

Build Materials

- Body: High-Pressure Die-Casting Aluminum
- Surface: Polyester Substance Coating
- Fasteners: SS304 Stainless Steel Bolts and Screws
- Corrosion Resistant Treatment

Physical Dimensions

Body Dimensions	550 * 216 * 75 MM
Mounting Arm Diameter	60 mm
Net Weight	3.5 kg

Environmental Limits

Operating Temperature	-40 to +50
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