



TL41145 All-in-One Solar Street Light

Model · TL41145

The TL all-in-one solar street light integrates a high-efficiency solar panel, LiFePO4 battery, MPPT controller, and high-brightness LED into a single IP66 housing. Pole-mount, no trenching, no grid power.

#all-in-one

#tl41145

#tl

#xiuben

3 yr

WARRANTY

10 pcs

MOQ

15-25 d

LEAD TIME

01 Specifications

Size	L1450*W410*H170MM
LED	SMD 3030 288pcs
Battery	3.2V/120AH (12.8V/45AH)
Solar Panel	6V/110W (15V/110W)
Install Height	10-12m
Material	Aluminum + PC
Warranty	3 years

02 Overview

TL series all-in-one solar street light is built for 10-12m pole-mount installation. The fixture integrates a high-efficiency monocrystalline solar panel, long-life LiFePO4 battery pack, intelligent MPPT charge controller, and

© 2026 Zhongshan Xiuben Lighting Co., Ltd.

xiubensolar.com · CE / RoHS / ISO 9001

high-brightness LED module into a single die-cast aluminum housing rated IP66.

The SMD 3030 288pcs configuration delivers 150-180 lm/W typical output with a 70×140° optical lens for even road coverage. The 3.2V/120AH (12.8V/45AH) battery and 6V/110W (15V/110W) combination provides 10-12 hours of full-brightness illumination per night with 2-3 days of backup autonomy in overcast conditions.

Typical applications include main roads, community streets, parking lots, industrial parks, rural roadways, and commercial perimeter lighting. The integrated form factor means no external battery box, no trenching, and no electrician on site — install on a standard 60mm pole tenon with 4 M8 bolts, switch on, and walk away. OEM/ODM available: custom wattage, custom panel size, custom battery capacity, custom logo, custom packaging.

03 Get a quote

Send us your project specs — pole height, road width, quantity, target country. We come back with a FOB Zhongshan price, lead time, and a reference project in your region — usually the same day.

WhatsApp · +86 136 0033 9827

Email · sales@xiubensolar.com