TORMIN ZY8705D Solar Street Light

IP 66

Ta 65

Ta -20



Application

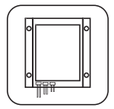
This product is widely used in main roads, secondary roads, branch lines, factory roads, small parks, courtyards, auxiliary roads, pedestrian passages and other areas inside and outside the factory.

Characteristics

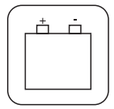
- Using high efficiency 5050 leds, more than 150lm/w.
- Adopting high efficiency monocrystalline silicon solar panel, conversion rate is more than 21%.Special plug connector wiring, tool free and waterproof, anti-wrong connection function.
- Grade A LiFePo4 battery, capacity is more than 80% after 2000 cycles.
- PWM and MPPT solar charger, intelligent to control the dimming by PIR/Motion sensor and timer.
- Horizontal or vertical pole installation, mounted angle is adjustable
- Double waterproof design, protection grade IP66.
- Tool free maintenance, battery box can be opened and easy to replace.



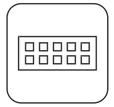
High efficiency solar panel



Efficient controller



LiFePO4 Battery



LED light source



ZY8705D-L30
(5100lm)



ZY8705D-L40
(6800lm)



ZY8705D-L50
(8500lm)



ZY8705D-L60
(10200lm)



ZY8705D-L80-A
(13600lm)



ZY8705D-L100-A
(17000lm)



ZY8705D-L80-B
(13600lm)



ZY8705D-L100-B
(17000lm)



ZY8705D-L120
(20400lm)



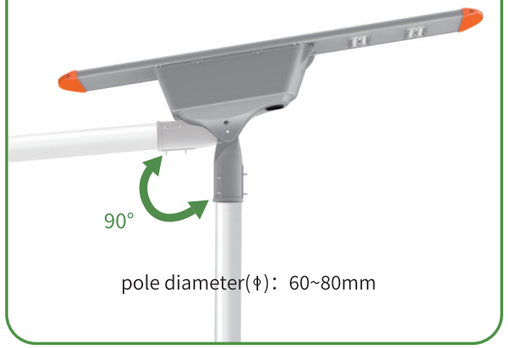
ZY8705D-L150
(25500lm)



ZY8705D-L200
(34000lm)

Installation and main function

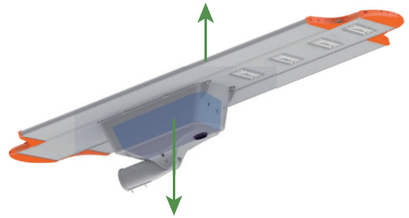
Installation



pole diameter(ϕ): 60~80mm

Super High Power

Max solar panel power 300W



Max battery capacity 3200WH

Adjustable Solar Panel



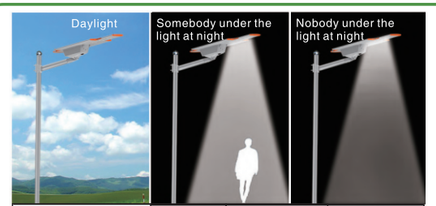
Increases bifoil solar panel can be adjusted to make the solar panels face the sun and improve the charging efficiency to the greatest extent.

Convenient Maintenance



Built-in rotating shaft for easy maintenance
All components can be easily replaced.

Sensor Control System



	Induction time	Somebody under the light	Nobody under the light
When the illumination is less than 10lux, it begins to work.	2H	100%	30%
	3H	50%	20%
	6H	20%	10%
	1H	30%	10%
Daylight	Automatic closing		

It can be set according to the requirements of customers.

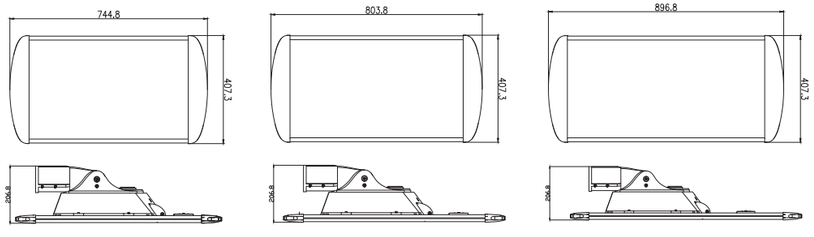
Main Specification

General Parameters

Item	Technical Parameter
LED Brand	San'an/Bridgelux Chip 5050 led
Light Distribution	II-S, II-M, III-M
CCT	2700K~6500K
Charge Time	6 Hours
Working Time	5-7 Days(Auto Control)
Protection Grade	IP66
Luminous Efficiency	>150Lm/W
Operating Temperature	-20℃ to 65℃
Material	Aluminum

Product Parameters and Dimensions

ITEM	ZY8705D-L30	ZY8705D-L40	ZY8705D-L50
Solar Panel Parameters	Monocrystalline 18V 40W	Monocrystalline 18V 50W	Monocrystalline 18V 60W
Battery Parameters	LiFePO4 12.8V 18AH	LiFePO4 12.8V 24AH	LiFePO4 12.8V 30AH
System Voltage	12V	12V	12V
Luminous Flux	5100 lm	6800 lm	8500 lm
Nominal Power	30W	40W	50W
As The Market Similar Solar Light Power	40W	50-60W	60-70W

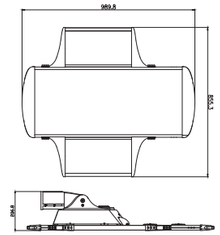


L*W*H:744.8*407.3*206.8mm
ZY8705D-L30

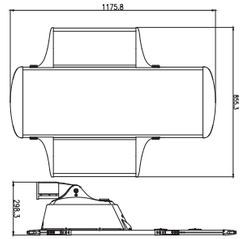
L*W*H:803.8*407.3*206.8mm
ZY8705D-L40

L*W*H:896.8*407.3*206.8mm
ZY8705D-L50

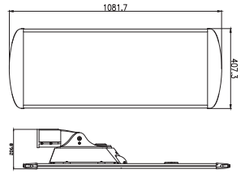
ITEM	ZY8705D-L60	ZY8705D-L80-A/B	ZY8705D-L100A/B
Solar Panel Parameters	Monocrystalline 18V 80W	Monocrystalline 18V 100W	Monocrystalline 36V 120W
Battery Parameters	LiFePO4 12.8V 36AH	LiFePO4 12.8V 42AH	LiFePO4 25.6V 24AH
System Voltage	12V	12V	24V
Luminous Flux	10200 lm	13600 lm	17000 lm
Nominal Power	60W	80W	100W
As The Market Similar Solar Light Power	70W	100W	120W



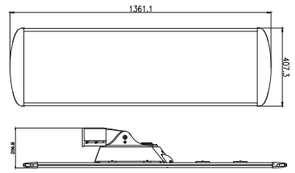
L*W*H:989.8*855.3*206.8mm
ZY8705D-L80-B



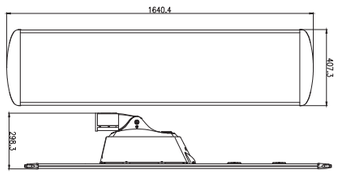
L*W*H:1175.8*855.3*298.3mm
ZY8705D-L100-B



L*W*H:1081.7*407.3*206.8mm
ZY8705D-L60

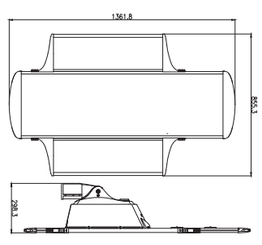


L*W*H:1361.1*407.3*206.8mm
ZY8705D-L80-A

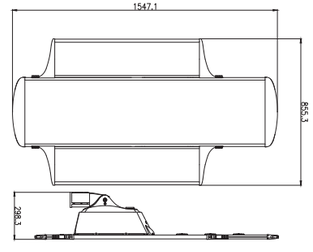


L*W*H:1640.4*407.3*206.8mm
ZY8705D-L100-B

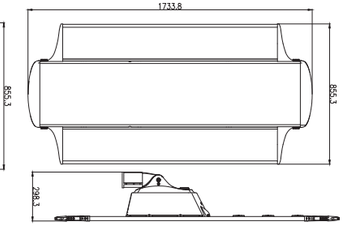
ITEM	ZY8705D-L120	ZY8705D-L150	ZY8705D-L200
Solar Panel Parameters	Monocrystalline36V150W	Monocrystalline36V180W	Monocrystalline36V240W
Battery Parameters	LiFePO4 25.6V 30AH	LiFePO4 25.6V 36AH	LiFePO4 25.6V 48AH
System Voltage	24V	24V	24V
Luminous Flux	20400 lm	25500 lm	34000 lm
Nominal Power	120W	150W	200W
As The Market Similar Solar Light Power	140W-150W	180W	240W



L*W*H:1361.8*855.3*298.3mm
ZY8705D-L120



L*W*H:1547.1*855.3*298.3mm
ZY8705D-L150



L*W*H:1733.8*855.3*298.3mm
ZY8705D-L200