

LUCA B Solar Streetlight



OUTDOOR SERIES



PRODUCT OVERVIEW

The **AL TSA LUCA B** provides extreme luminous efficacy of 210lm/W and long lasting stability. Designed to withstand extreme weather conditions with its fully IP65 rated casing. The luminaire incorporates a monocrystalline solar panel and MPPT tracking ensuring an increase in charging efficiency over the solar modules. Lithium ion batteries ensure longer lifespan with increased charging cycles. SMD LED chips increase luminous efficiency. The luminaire uses an independent Aluminum heatsink, keeping temperature rise as low as possible. Motion sensors with time and light control are used to extend working time.

Quality comes standard...



Hours
LIFESPAN



IP65
OUTDOOR



Low
MAINTENANCE



Year
WARRANTY



Product
CERTIFICATION

APPLICATIONS

Main-Roads

Parking Areas

Airports

Highways

Shipping Yards

Depo Centres

FEATURES

MPPT Controller

Water, Dust, Damp Proof

LiFePO4 Lithium Battery

IP65 Ingress Protection

4G or WIFI Camera

6 Hours Full Charge

Fixed Or Rotatable Camera

14 to 40 Hours Discharge

CONSTRUCTION

Aluminum 6063 Housing

Monocrystalline Solar Panel

Polycarbonate Lens

Anti-Corrosion Treatment

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TECHNICAL SPECIFICATIONS

Power Consumption :	60W	80W
Luminous Efficacy :	200lm/W	200lm/W
Battery (V) :	12.8V/37AH	12.8V/45AH
Solar Panel :	18V/80W	18V/100W
Luminous Flux :	12 000lm	16 000lm
Lighting Method :	Motion Sensor +time control +Auto on/Off	Motion Sensor +time control +Auto on/Off
Installation Height (M) :	8-10Mtr	10-12Mtr
LED :	240pcs	300pcs

SPECIFICATIONS

Housing Body :	6063 Aluminium	Chipset:	SMD3030, Lumileds
	Anti-corrosion paint treatment	Luminous Efficacy:	200lm/W
Solar Panel:	Monocrystalline	Colour Rendering (CRI):	Ra70/Ra80
Controller:	MPPT	Correlated color Temp (CCT):	2700K - 6500K
Control Method:	Motion Sensor + Time control + Auto on/Off	Ingress Protection(IP):	IP65
Battery:	Lithium LifePO4	Impact Resistance(IK):	IK06
Diffuser :	Polycarbonate (PC)	Beam Angle:	T2, T3, T4
Charging Time:	6 Hours (Full Sunshine) +~20 Hours (Rainy Days)	Mounting Options:	Pole Mount
Discharge Time:	+~48 Hours (Induction Mode) 14 Hours (Full Power)	Pole Diameter:	60-80mm
Operating Temp:	-30°C ~ +55°C	Camera Angle: 100° (focal length 2.8mm)	
Wind Resistance:	10 Grade	Camera Diameter: 12-19M(installation height 8M)	
		Distance: 0-12M Camera angle:75°(focal length4mm)	
		Memory Capacity: 128G (200W pixel video)	
		Storage Time: 12-15 days	

ORDERING INFORMATION

XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX
Product Family	Product ID	Size(mm)	Power	Efficiency	CCT	IP	Beam Angle	Surge	Mounting	Controller	Control Type	CRI	Camera
Solar Streetlight (SSL)	LUCA B CAM (LBC)	1160*400*280 (142) 15.5kg 1435*400*280 (142) 18.5kg	60W (60W) 80W (80W)	200lm/W (200LPW)	2700K(27) 3000K(03) 4000K(04) 5000K(05) 6000K(06) 6500K(65)	IP65 (IP65)	T2 (T2) T3 (T3) T4 (T4)	4KV (4KV)	Bracket 1 (BR1) 	MPPT (MPPT)	Motion Sensor +Time Control +Auto on/Off (MTA)	70 (7) 80 (8)	4G 200W Pixels Fixed Camera (4GF) 4G 200W Pixels Roatable Camera (4GR) WIFI 200W Pixels Fixed Camera (WIF)

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CAMERA DETAILS (4G)

Camera parameters	image sensor	1/3 COMS
	Valid pixel	2.0MP (1920*1080)
	Video format	15 fps@1920*1080;15fps@720*480;15fps@288*192
	Minimum illuminance	0.5 Lux@D1.6 ; 0.09 Lux@1.6;
	focal length	2.8mm
	Night vision mode	IR LED

IR	IR LED	15*IR led
	control	auto
video audio frequency Call the police	video coding	H.265; H.264; MPEG4
	video stream	Mainstream: 1080P, sub stream: D1, CIF
	Image size	1920*1080
	Audio stream	64K bps
	user management	Support multi-level user permission management
network Code	Network protocol	TCP/IP, HTTP, DDNS, PPOE, NIP, FTP, RTSP, RTP
	Access Protocol	Onvia standard
	network interface	NOT have
	Remote function	Support P2P
	Web services	Embedded Webserver server to support IE browsing
	network bandwidth	64 kbps-12Wbps
storage	storage	Optional 32G/64G/128G TF Card
product structure	Product size	2.5inch
	Housing material	Aluminum alloy + transparent cover
	Silo material	Plastic parts
	input voltage	DC12V2A
	Power	Daytime: < 5W night: < 9W
	working temperature	-40°C~70°C
	Installation method	Ceiling hoisting
Product packaging	Packaging size	135*135*110mm
	gross weight	0.8kg

system function

- 2.5-inch metal dome 4G camera
- External antenna receives 4G signal
- Optional 32G/64G/128G TF Card
- Outdoor waterproof, waterproof grade: IP66
- 2.0MP (1920X1080P)
- 14 LED infrared lights, night vision up to 15m
- Power: DC 12V 2A
- Size: Φ100mm* 90mm
- gross weight: 0.8Kg

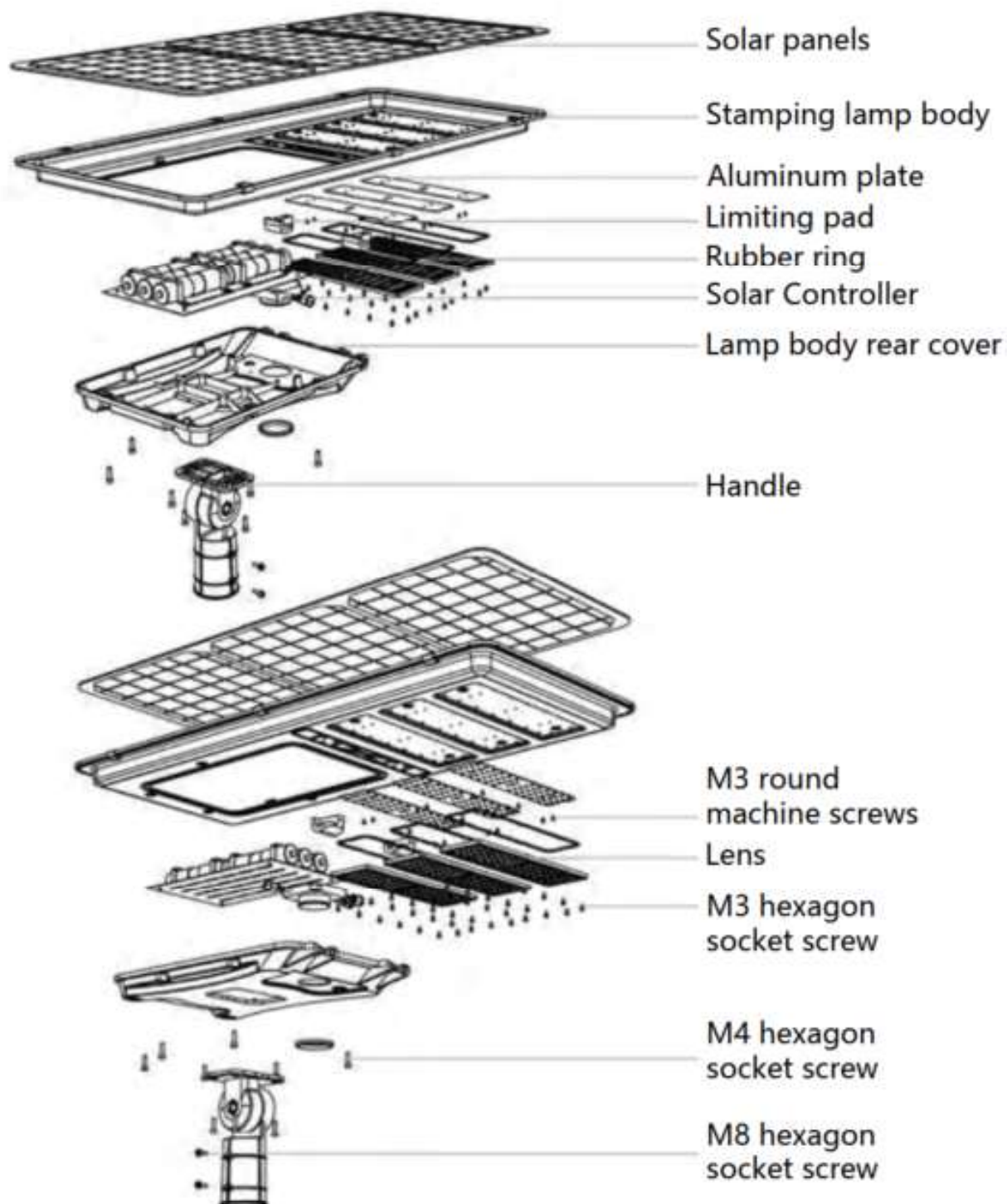
2.5-inch metal dome 4G camera

Resolution : 1920*1080P
Infrared distance : 10-15m
Lens: 2.8MM



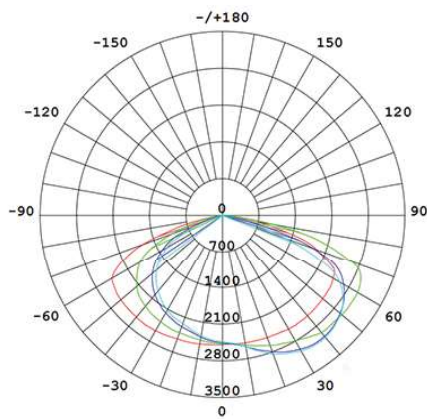
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PRODUCT DETAILS

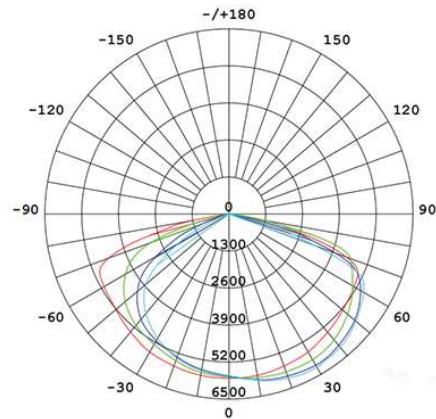


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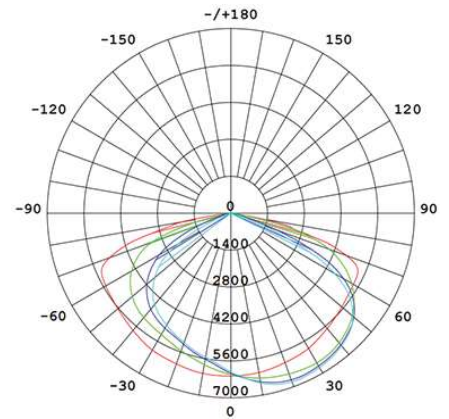
PHOTOMETRICS



T2



T3



T4

