

LUCA A Solar Streetlight



OUTDOOR SERIES



PRODUCT OVERVIEW

The **AL TSA LUCA A** provides extreme luminous efficacy of 200lm/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

Optional Mounting Brackets

Water, Dust, Damp Proof

LiFePO4 Lithium Battery

IP65 Ingress Protection

L80 @ >50 000 Hours

6 Hours Full Charge

5-Year Warranty

Up to 40 Hours Discharge

CONSTRUCTION

Aluminum 6063 Housing

Monocrystalline Solar Panel

Polycarbonate Lens

Anti-Corrosion Treatment

LUCA A Solar Streetlight

TECHNICAL DATA

TECHNICAL SPECIFICATIONS

Power Consumption :	20W	30W	40W	50W	60W	80W
Modules :	1 Module	2 Module	3 Module	3 Module	3 Module	4 Module
Battery (V) :	3.2V/36AH	3.2V/76AH	3.2V/100AH	12.8V/30AH	12.8V/30AH	12.8V/42AH
Solar Panel :	6V/35W	18V/50W	18V/60W	18V/70W	18V/90W	18V/110W
Luminous Flux :	4000lm	6000lm	8000lm	10 000lm	12 000lm	16 000lm
Lighting Method :	Infrared induction +time control +intelligent control	Infrared induction +time control +intelligent control	Infrared induction +time control +intelligent control	Microwave induction +time control +intelligent control	Infrared induction +time control +intelligent control	Infrared induction +time control +intelligent control
Installation Height (M) :	4-5Mtr	5-6Mtr	6-7Mtr	7-8Mtr	8-9Mtr	9-10Mtr
LED :	50pcs	100pcs	150pcs	150pcs	150pcs	250pcs

Power Consumption :	100W	120W
Modules :	5 Module	7 Module
Battery (V) :	12.8V/60AH	12.8V/75AH
Solar Panel :	18V/120W	18V/150W
Luminous Flux :	20 000lm	24 000lm
Lighting Method :	Infrared induction +time control +intelligent control	Infrared induction +time control +intelligent control
Installation Height (M) :	10-12Mtr	12-15Mtr
LED :	300pcs	350pcs

SPECIFICATIONS

Housing Body :	6063 Aluminium Anti-corrosion paint treatment	Chipset:	SMD 3030, Phillips
Solar Panel:	Monocrystalline	Luminous Efficacy:	200lm/W
Controller:	MPPT	Colour Rendering (CRI):	Ra70/Ra80
Control Method:	Human body induction + light control + Time control	Correlated color Temp (CCT):	2700K - 6500K
Battery:	Lithium LifePO4	Lifespan:	50 000hrs
Diffuser :	Polycarbonate (PC)	Ingress Protection(IP):	IP65
Charging Time:	6 Hours (Full Sunshine) +20 Hours (Rainy Days)	Impact Resistance(IK):	IK06
Discharge Time:	(14hrs Full Power or +- 40hrs Control)	Beam Angle:	T2, T3, T4
Operating Temp:	-30°C ~ +55°C	Mounting Options:	Pole Mount
Working Mode:	MPPT/PWM	Pole Diameter:	60-80mm
Wind Resistance:	10 Grade		

LUCA A Solar Streetlight

ORDERING INFORMATION

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
Solar Streetlight (SSL)	LUCA A (LUC-A)	787*359*45 (734) 7.5kg	20W (20W)	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)	Human body Induction +Light Control +Time Control (HLT)	70 (7) 80 (8)
		840*368*45 (834) 10.5kg	30W (30W)						Bracket 2 (BR2)			
		1000*368*45 (134) 12.5kg	40W (40W)						Bracket 3 (BR3)			
		1000*528*50 (155) 18kg	50W (50W) 60W (60W)									
		1000*528*50 (155) 22kg	80W (80W)									
		1310*528*50 (135) 26kg	100W (100W)									
		1490*528*50 (135) 29kg	120W (120W)									

PRODUCT DETAILS



LUCA A
20W



LUCA A
30W



LUCA A
40W/50W/60W



LUCA A
80W



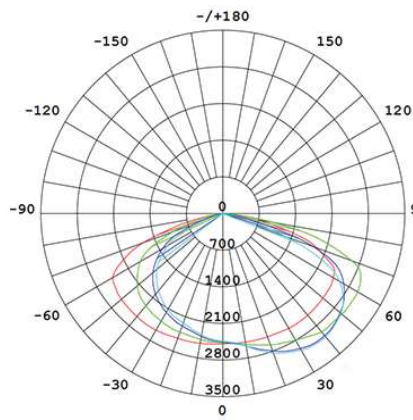
LUCA A
100W



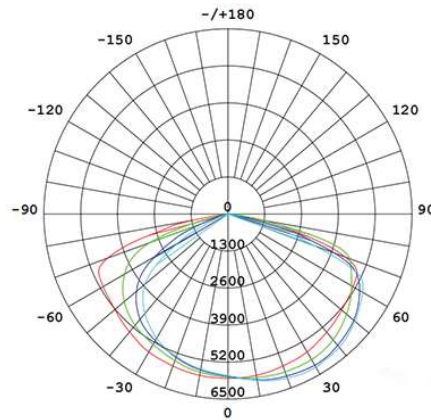
LUCA A
120W

LUCA A Solar Streetlight

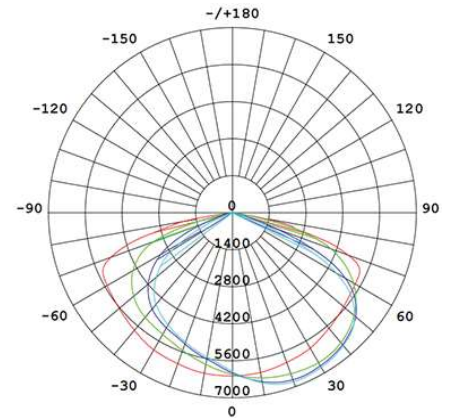
PHOTOMETRICS



T2



T3



T4

