

S8 Streetlight Series



OUTDOOR SERIES



PRODUCT OVERVIEW

The AL TSA S8 LED STREETLIGHT utilizes Lumileds 3030 technology, and features intelligent control options. The S8 Streetlight provide's extreme lumen output and long lasting stability. It is designed to withstand extreme weather conditions with it's fully IP66 rated casing and IP66 rated driver. It is a durable LED streetlight on the market to date, offering a life expectancy of >50 000 hours. With a flat honeycomb design creating good heat dissipation. This luminaire is highly dust and vapour proof and impact resistant. Installation is snap on tool free also easy serviceable, and thereby reducing maintenance. The S8 Series offers extreme Lighting solutions that is energy efficient .

Quality comes standard...



Hours
LIFESPAN



IP66
OUTDOOR



Low
MAINTENANCE



Year
WARRANTY



Product
CERTIFICATION

APPLICATIONS

Main-Roads

Parking Areas

Airports/Flyovers

Highways

Shipping Yards

Depo Centres

FEATURES

Anti Vibration & Shock Resistant

Water, Dust, Rust, Damp Proof

Surge Protection Circuit Design

IP66 Ingress Protection

L90 B10 Rating

Intelligent Control

5-Year Warranty

Glare Free Lens

CONSTRUCTION

ADC12 Aluminum

Integrated Die Cast Housing

Tempered Glass Panel

IK08 Impact Resistance

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TECHNICAL DATA

SPECIFICATIONS

Rated Voltage (V):	AC100-240V	Luminaire Efficacy(lm/W):	100(lm/W) - 130(lm/W)
Frequency (Hz):	50/60Hz		150(lm/W) - 170(lm/W)
Power Consumption (W):	10-25-50W 60-75W 80-100W 120-150W 180-200-240W	Unified Glare Index(UGR):	UGR22 (Standard)
Correlated color Temp (CCT):	2700K- 3500K - 4000K - 4500K - 5000K - 6000K		UGR19 (Optional)
Colour Rendering (CRI):	70	L&B Rating:	L90 B10 50 000hrs
Total Harmonic Distortions (THD):	≤15%		L70 B10 100 000hrs
Power Factor (PF) & Efficiency :	>0.95 >88%	Impact Protection (IK):	IK08
Electrical Class:	Class I	Ingress Protection(IP):	IP66
Operating Temp:	-40°C ~ + 50°C	Beam Angle:	60° 90° 120° T2M T3M T4M
Surge Protection:	4KV/6KV	Lifespan:	50 000hrs
Driver Type:	Meanwell/Moso/Sosen/Inventronics	Mounting Options:	Pole Mount
LED Type:	Lumileds 3030 - SMD		
Installation Hole Size:	42mm/50mm/60mm		
Entry & Output Cable:	Side / 20cm (Standard)		

MATERIAL STRUCTURE

Housing Body:	ADC12 Die-Casting Aluminium	Housing Colour:	Light Grey
	Patent Mould-Integrated Die-Casting	Lens:	Glare Free Lens
Anti Corrosion:	Optional Coating		

OPTIONAL FEATURES

Dimmable Options:	Time Control	0-10V	IOT Control
Sensor Options:	Light Sensor		
Emergency Options:	20% Back-up Power	External	
Certifications	RoHs/SANS/CE		

ANTI Corrosion Table

CATEGORY	CORROSIVITY		
C1	Very Low	Heated Buildings	Dry or cold with very low pollution
C2	Low	Low levels of pollution	Temperate low pollution
C3	Medium	Urban & Industrial Moderate pollution	High/Moderate pollution
C4	High	Coastal & Industrial Moderate pollution	High/Moderate pollution
C5-I	Very High	High humidity & Industrial	Agressive Atmosphere
C5-M	Very High	Coastal & Offshore areas	Marine areas With high salinity

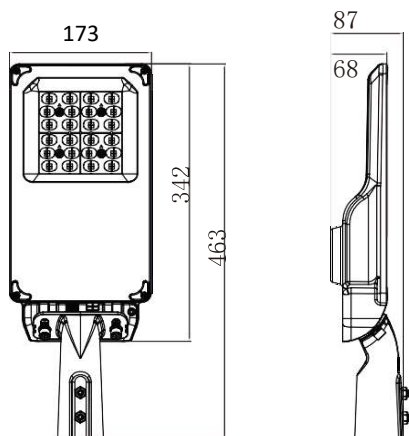
S8 Streetlight Series

ORDERING INFORMATION

XXX	XXX	XXXX	XXX	XXX	XXX	XXX	XXX	X
Product Family	Product ID	Size(LxWxH) & Weight(kg)	Power	Efficacy	Driver Type	Control	CRI	Glare Rate
Streetlight (STL)	AL TSA S8 Streetlight (AS8)	463x173x87(418) 2.54kg 570x200x88(528) 3.3kg 611x240x89(628) 4.2kg 680x260x89(6280) 5kg 693x300x90(639) 5.9kg	10W (0010) 25W (0025) 50W (0050) 60W (0060) 75W (0075) 80W (0080) 100W (0100) 120W (0120) 150W (0150) 180W (0180) 200W (0200) 240W (0240)	100lm/W (100) 110lm/W (110) 120lm/W (120) 130lm/W (130) 140lm/W (140) 150lm/W (150) 160lm/W (160) 170lm/W (170)	Meanwell (MNW) Moso (MOS) Sosen (SOS) Inventronics (IVT)	Standard (STD) Emergency (EMG) Light Sensor (LIS) 0-10V (DIM) Time Control (TIC) IOT Control (IOT)	70 (7)	19 (19) 22 (22)

Temperature Operating Range	-40°C~50°C
Humidity Operating Range	20%~95%
Storage Temperature Range	-40°C~75°C
Storage Humidity Range	10%~80%

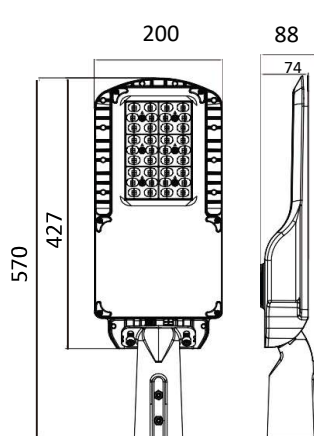
DIMENSIONS AND SPECIFICATIONS



10-50W

LUMINOUS FLUX - 10-25W - 3250±10%
LUMINOUS FLUX - 50W - 6250±10%

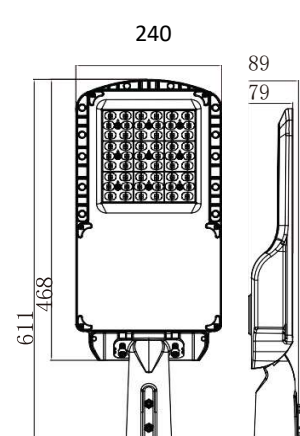
LED QUANTITY - 4 IN 1 LENS
64pcs



60-75W

LUMINOUS FLUX - 60W - 7800±10%
LUMINOUS FLUX - 75W - 9375±10%

LED QUANTITY - 4 IN 1 LENS
96pcs



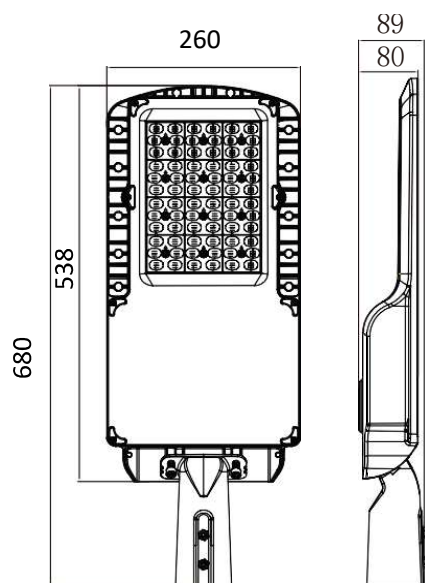
80-120W

LUMINOUS FLUX - 80W - 10800±10%
LUMINOUS FLUX - 100W - 13000±10%
LUMINOUS FLUX - 120W - 14400±10%

LED QUANTITY - 4 IN 1 LENS
144pcs

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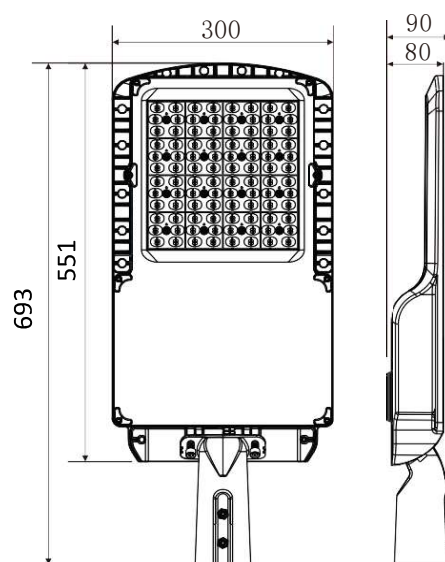
DIMENSIONS



150-180W

LUMINOUS FLUX - 150W - 18750±10%
LUMINOUS FLUX - 180W - 21600±10%

LED QUANTITY - 4 IN 1 LENS
192pcs

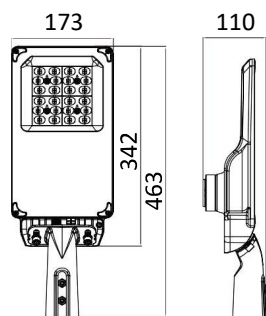


200-240W

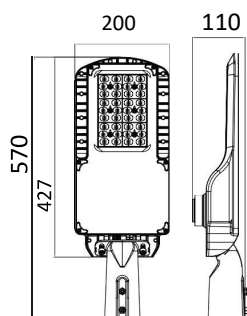
LUMINOUS FLUX - 200W - 24000±10%
LUMINOUS FLUX - 240W - 28800±10%

LED QUANTITY - 4 IN 1 LENS
256pcs

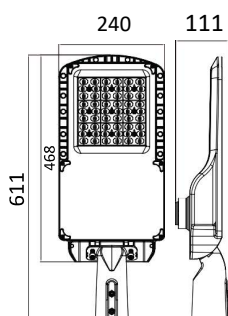
DIMENSIONS (INTELLIGENT CONTROL)



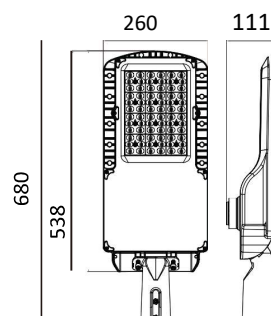
10-50W



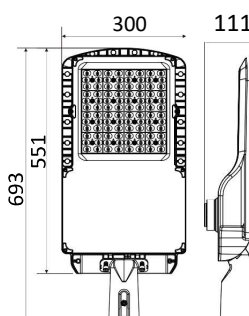
50-75W



80-120W



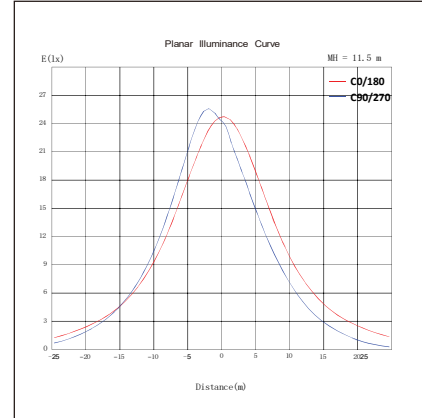
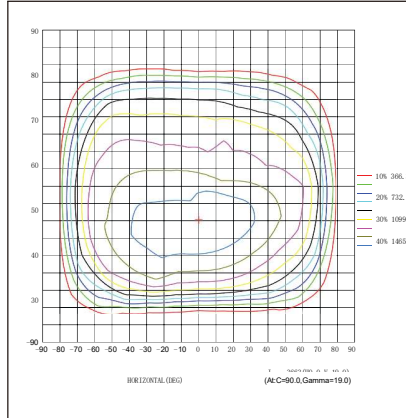
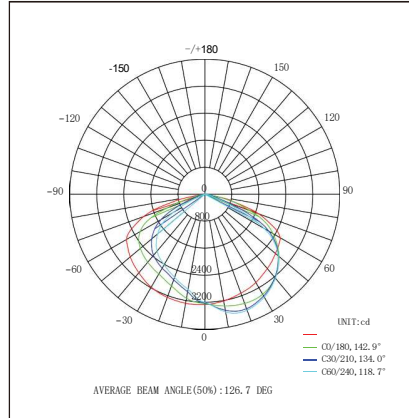
150-180W



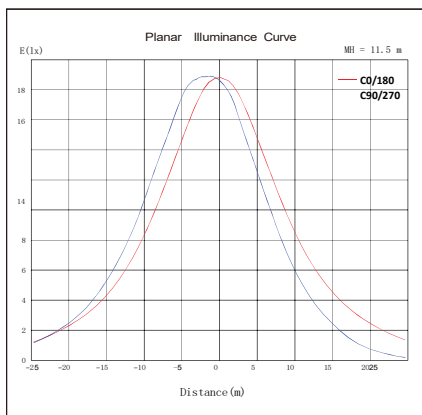
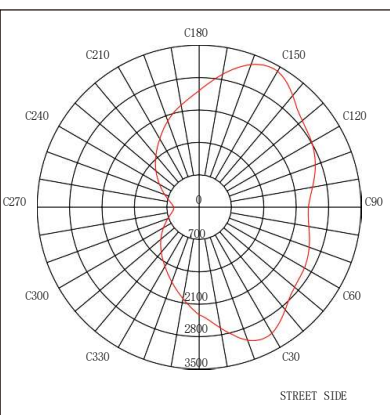
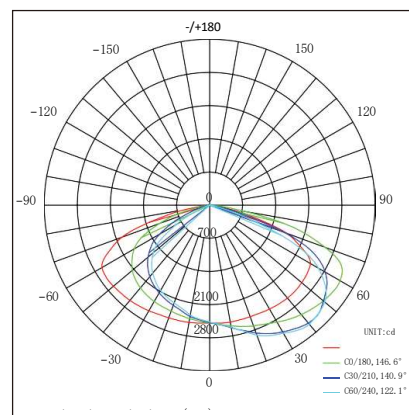
200-240W

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T2M LIGHT DISTRIBUTION



T4M LIGHT DISTRIBUTION



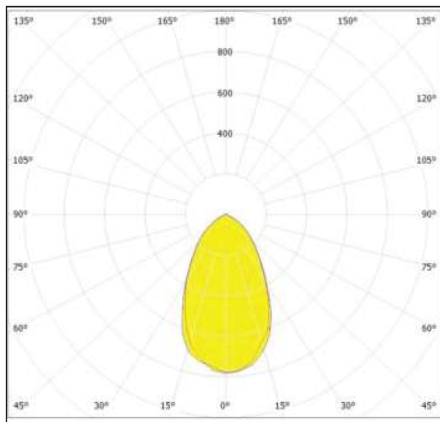
H (C) Range:0-360DEG H (C) Interval:15.0DEG
Test Speed:HIGH
Temperature:25.3DEG Operators:wang
Test Date:2021-04-07

(V γ) Range:0-90DEG
(V γ) interval:1.0DEG

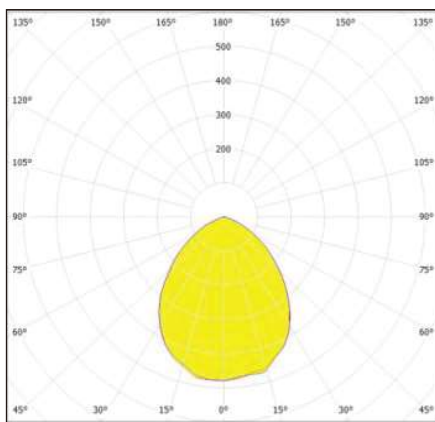
Test System:EVERFINE GO-2000A_V1
Humidity:65.0%
Test Distance:12.000m[k=1.0000] Remarks:

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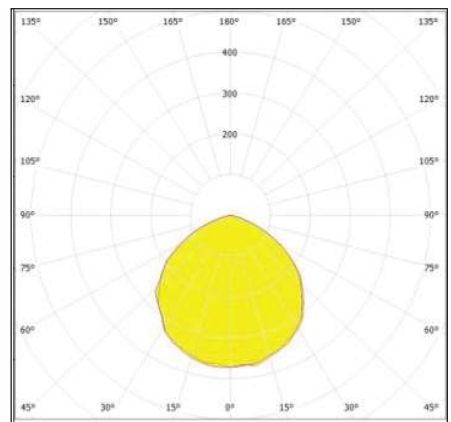
PHOTOMETRICS



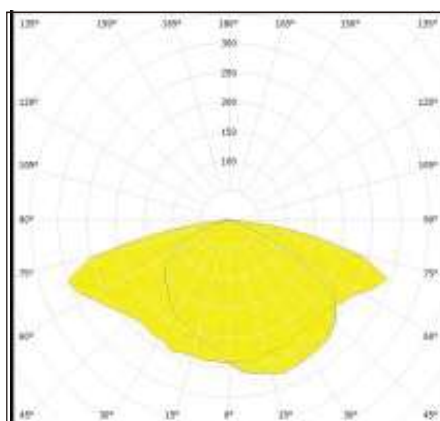
60°



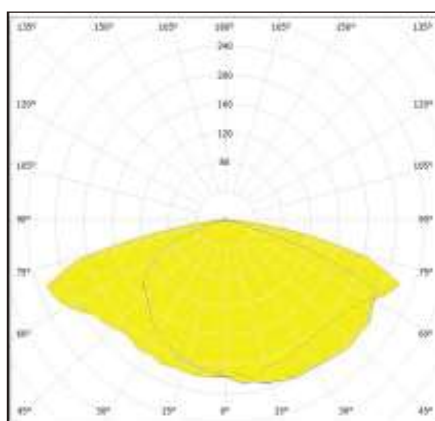
90°



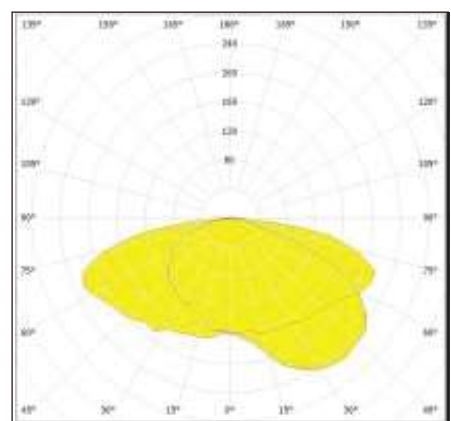
120°



T2M



T3M

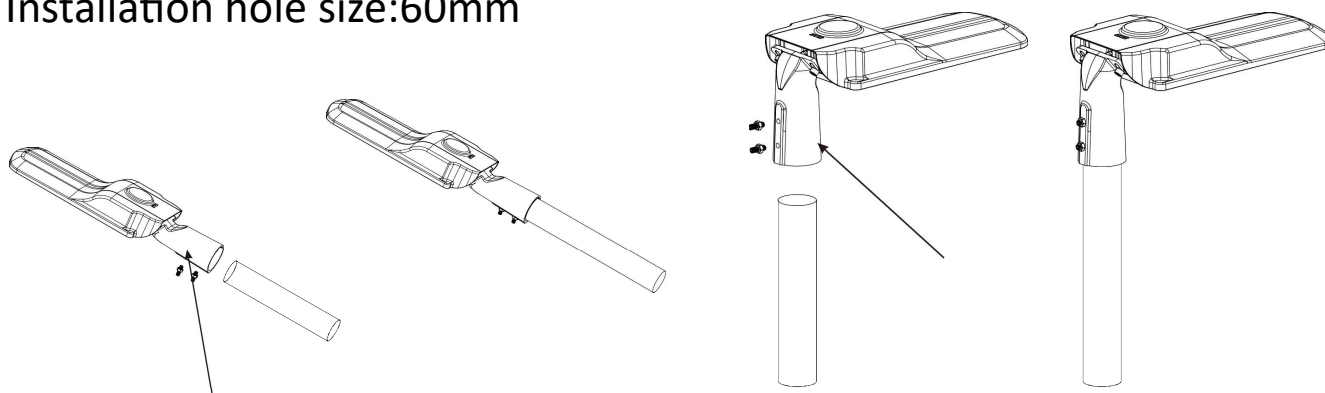


T4M

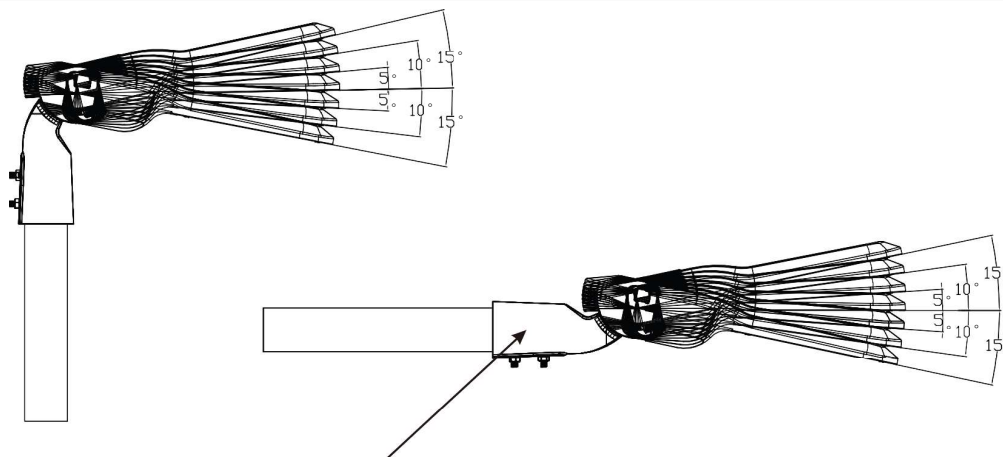
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INSTALLATION

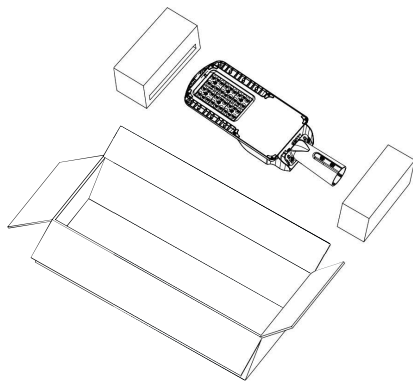
Installation hole size:60mm



42/50/60mm hole size is available



PACKAGING



Model number	Size of outer case	QTY	G.W.
10-25W	540*266*165mm	1pcs	3.0KG
50W	540*266*165mm	1pcs	3.0KG
60W	623*255*150mm	1pcs	3.8KG
75W	623*255*150mm	1pcs	3.8KG
80W	666*295*150mm	1pcs	4.9KG
100W	666*295*150mm	1pcs	4.9KG
120W	666*295*150mm	1pcs	4.9KG
150W	736*315*150mm	1pcs	5.8KG
180W	736*315*150mm	1pcs	5.8KG
200W	747*355*150mm	1pcs	6.8KG
240W	747*355*150mm	1pcs	6.8KG