

S7 Streetlight Series



OUTDOOR SERIES



PRODUCT OVERVIEW

The AL TSA S7 LED STREETLIGHT utilises Lumileds 3030 technology, which provide 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 the most 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

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, Damp Proof
Surge Protection Circuit Design	IP66 Ingress Protection
L80 B10 Rating	Energy Efficient
5-Year Warranty	Marine Grade Aluminium Optional

CONSTRUCTION

ADC12 Aluminum
Integrated Die Cast Housing
Tempered Glass Panel
IK08 Impact Resistance

S7 Streetlight

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 60W 80-100W 120-150W 180-200-250-300W	Unified Glare Index(UGR):	UGR22 (Standard)
Correlated color Temp (CCT):	3000K - 4000K - 5000K - 6000K		UGR19 (Optional)
Colour Rendering (CRI):	70	L&B Rating:	L90 B10 50 000hrs
Total Harmonic Distortions (THD):	≤10%		L70 B10 100 000hrs
Power Factor (PF) & Efficiency :	>0.95 >88%	Impact Protection (IK):	IK08
Electrical Class:	Class II	Ingress Protection(IP):	IP66
Operating Temp:	-30°C ~ + 50°C	Beam Angle:	60° 90° 120° T2M T3M T4M
Surge Protection:	4KV/6KV	Lifespan:	50 000hrs
Driver Type IP67 Compartment:	Meanwell/Moso/Sosen/Inventronics		60 000hrs
LED Type:	Lumileds 3030 - SMD -PCB	Mounting Options:	Pole Mount
Installation Hole Size:	40mm/50mm/60mm		Streetlighting
Entry & Output Cable:	Side / 20cm (Standard)		

MATERIAL STRUCTURE

Housing Body:	ADC12 Die-Casting Aluminium - (Standard)	Patent Mould-Integrated Die-Casting	
	(Marine Grade Aluminium - Optional)	Housing Colour:	Light Grey/White
Anti Corrosion:	Optional Coating + Internal Heat Sink	Lens:	Glare Free Lens

OPTIONAL FEATURES

Dimmable Options:	Time Control	0-10V	IOT Control
Sensor Options:	Light Sensor		
Emergency Options:	20% Back-up Power	External	
Certifications	RoHs/IEC60598/SANS		

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	Aggressive Atmosphere
C5-M	Very High	Coastal & Offshore areas	Marine areas With high salinity

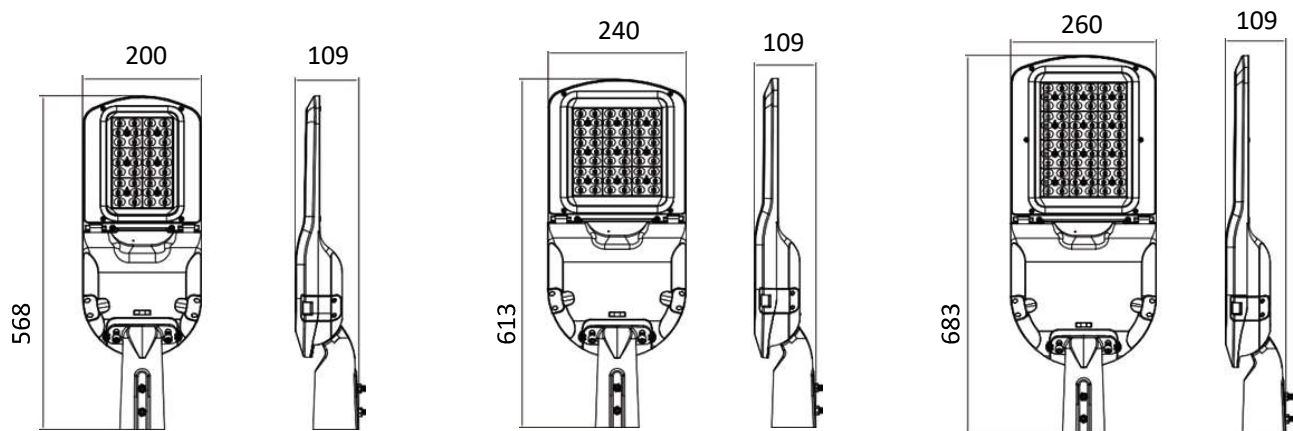
S7 Streetlight

ORDERING INFORMATION

XXX	XXX	XXXX	XXX	XXX	XXX	XXX	XXX	X
Product Family	Product ID	Size(LxWxH) & Weight(kg)		Power	Efficacy	Driver Type	Control	Glare Rate
Streetlight (STL)	AL TSA S7 Streetlight (AS7)	568x200x109(521) 4kg	10W (0010) 25W (0025) 50W (0050) 60W (0060)	100lm/W (100) 110lm/W (110) 120lm/W (120) 130lm/W (130)	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)
		613x240x109(621) 4.92kg	80W (0080) 100W (0100) 120W (0120)	140lm/W (140) 150lm/W (150) 160lm/W (160) 170lm/W (170)				
		683x260x130(6210) 6.26kg	150W (0150) 180W (0180)					
		693x300x130(631) 6.87kg	200W (0200) 250W (0250)					
		793x300x130(731) 8.1kg	300W (0300)					

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



10-60W

LUMINOUS FLUX - 10-25W - 3600±10%
LUMINOUS FLUX - 50W - 6500±10%
LUMINOUS FLUX - 60W - 7200±10%
LED QUANTITY - 4 IN 1 LENS
96pcs

80-120W

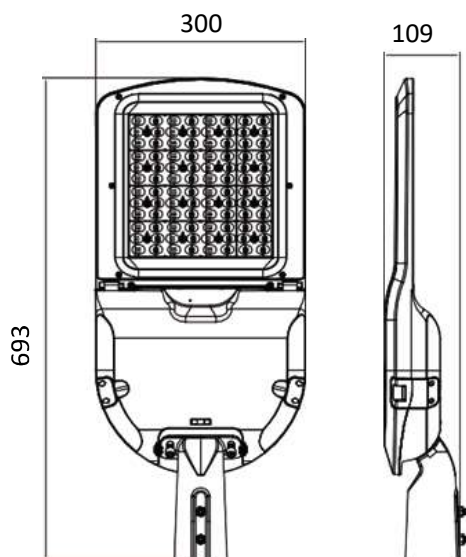
LUMINOUS FLUX - 80W - 10800±10%
LUMINOUS FLUX - 100W - 13000±10%
LUMINOUS FLUX - 120W - 14400±10%
LED QUANTITY - 4 IN 1 LENS
144pcs

150-180W

LUMINOUS FLUX - 150W - 18750±10%
LUMINOUS FLUX - 180W - 21600±10%
LED QUANTITY - 4 IN 1 LENS
192pcs

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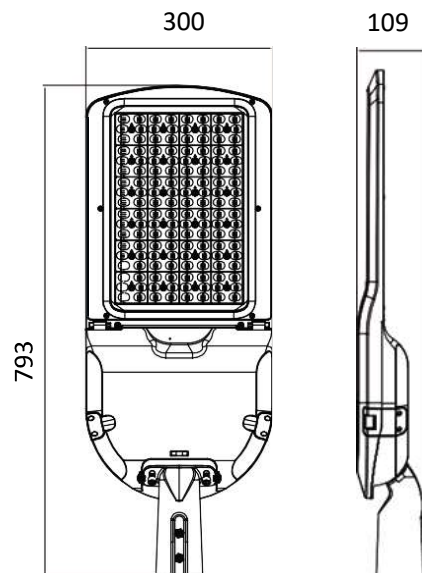
DIMENSIONS



200-250W

LUMINOUS FLUX - 200W - 26000±10%
LUMINOUS FLUX - 250W - 30000±10%

LED QUANTITY - 4 IN 1 LENS
256pcs

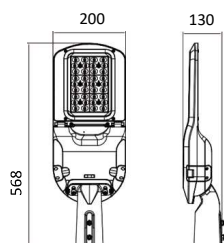


300-320W

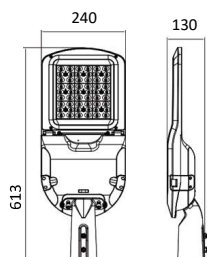
LUMINOUS FLUX - 300W - 39000±10%

LED QUANTITY - 4 IN 1 LENS
384pcs

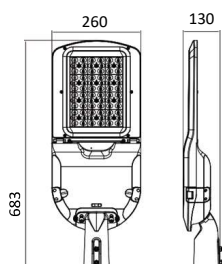
DIMENSIONS (INTELLIGENT CONTROL)



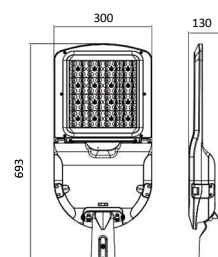
10-60W



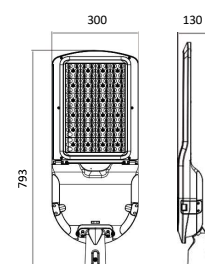
80-120W



150-120W



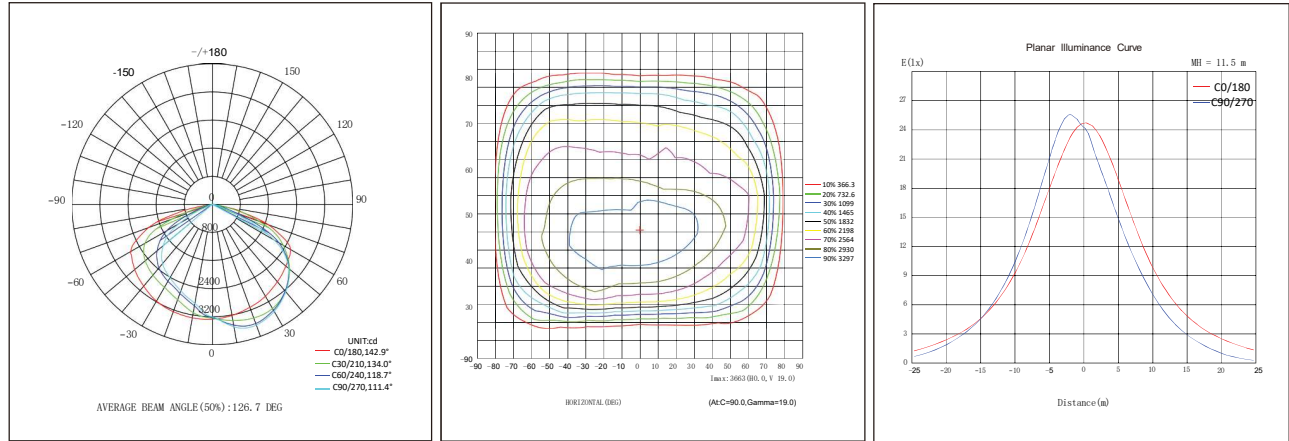
200-250W



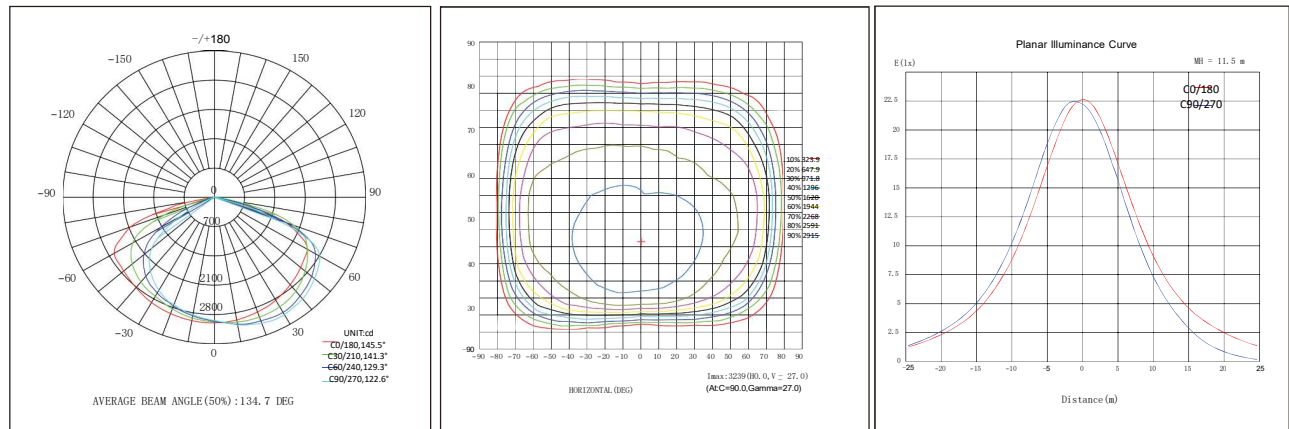
300-320W

S7 Streetlight

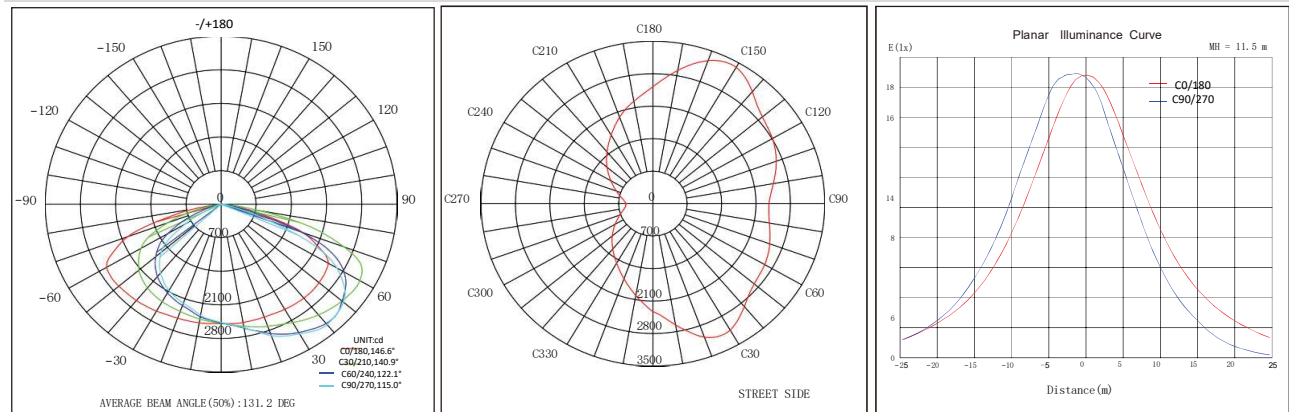
T2M LIGHT DISTRIBUTION



T3M LIGHT DISTRIBUTION

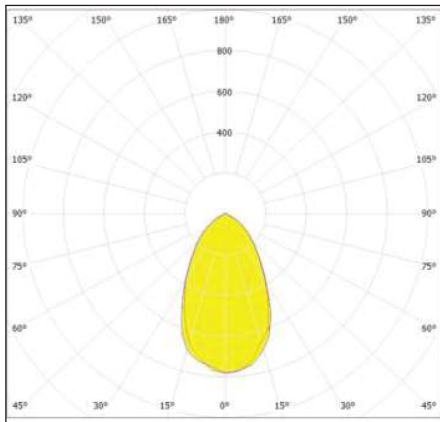


T4M LIGHT DISTRIBUTION

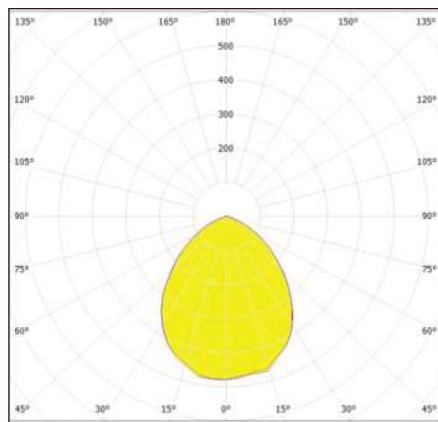


S7 Streetlight

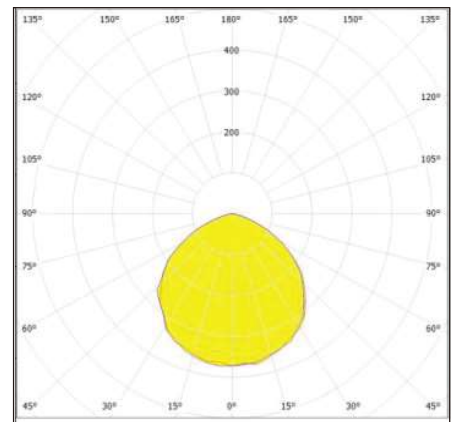
PHOTOMETRICS



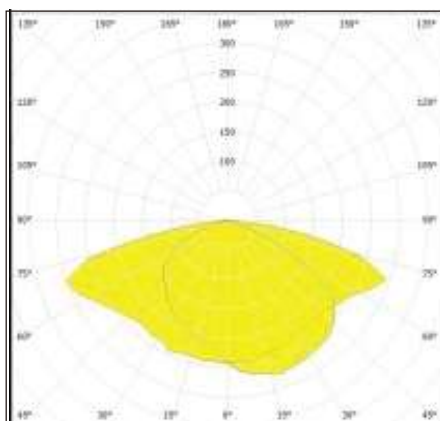
60°



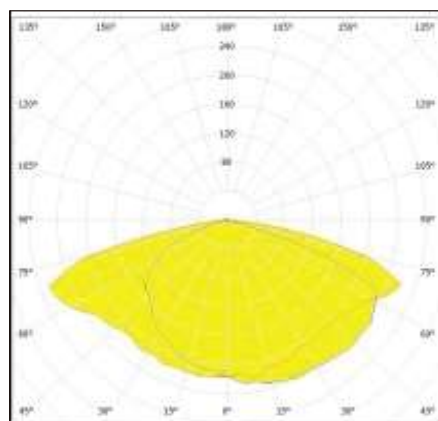
90°



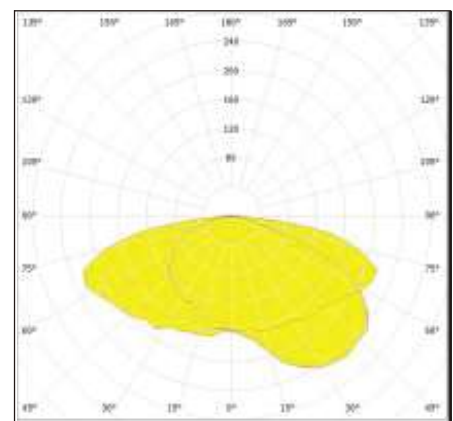
120°



T2M



T3M

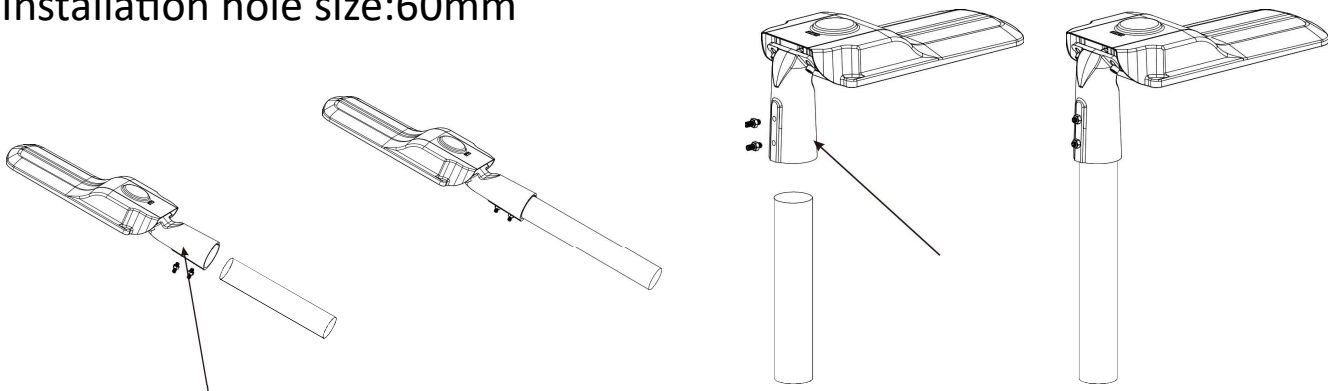


T4M

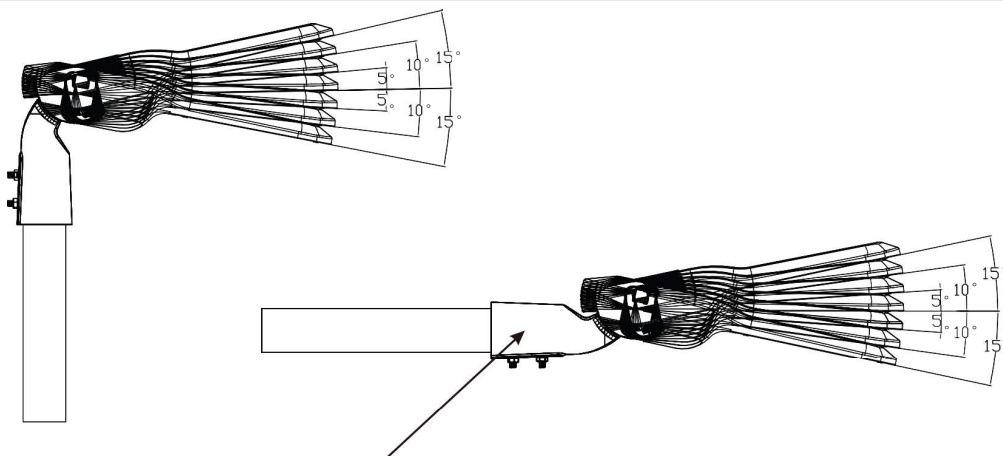
S7 Streetlight

INSTALLATION

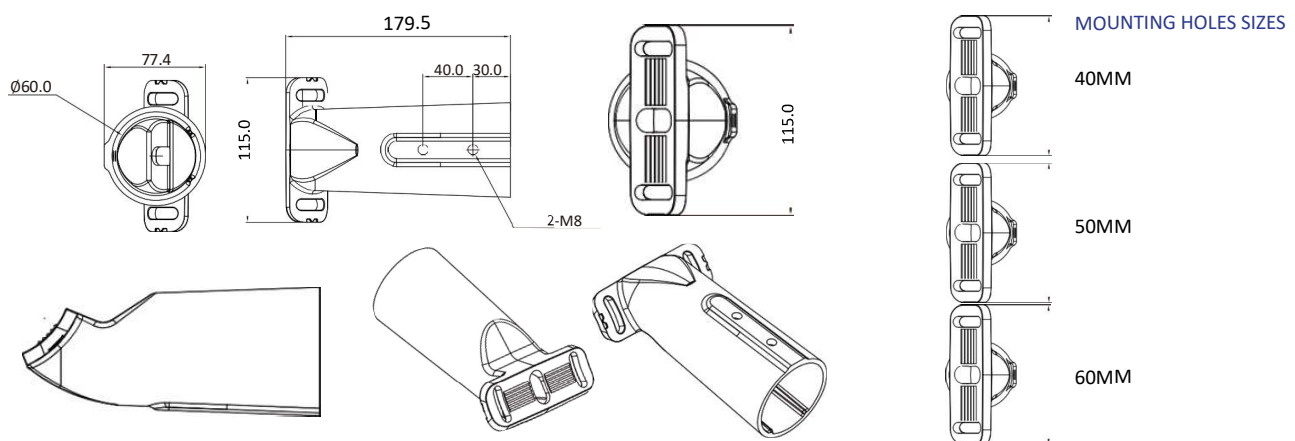
Installation hole size: 60mm



42/50/60mm hole size is available

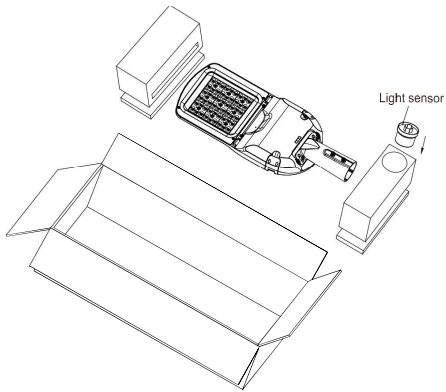


SHAFT INSTALLATION



S7 Streetlight

PACKAGING



Model number	Size of outer case	QTY	G.W.
MB-TGLS-40W	623*255*170mm	1pcs	5.0KG
MB-TGLS-50W	623*255*170mm	1pcs	5.0KG
MB-TGLS-60W	623*255*170mm	1pcs	5.0KG
MB-TGLS-80W	666*295*170mm	1pcs	5.98KG
MB-TGLS-100W	666*295*170mm	1pcs	5.98KG
MB-TGLS-120W	666*295*170mm	1pcs	5.98KG
MB-TGLS-150W	736*315*170mm	1pcs	6.96KG
MB-TGLS-180W	736*315*170mm	1pcs	6.96KG
MB-TGLS-200W	747*355*170mm	1pcs	7.77KG
MB-TGLS-250W	747*355*170mm	1pcs	7.77KG
MB-TGLS-300W	846*355*170mm	1pcs	9.1KG