

ALCA LED Street Light



5 YEAR
WARRANTY

Areas of application

- Lighting of roads -
- Docks -
- Bridges -
- Parks -
- Residential area -



ISO 9001
ISO 14001
ISO 45001
ISO 50001



RoHS
Compliant

Product Benefits

- 70% energy saving, short ROI period
- Up to 100,000hrs @ L70, low maintenance cost
- World class, approbated quality components (LEDs /Driver /etc.)
- Support horizontal and vertical mounted, suitable for different light poles
- Tool-less opening of driver box, ease of maintenance
- Spring latch pin design allows for tool-free removal of the main luminaire body, easy to replace
- 5 years warranty

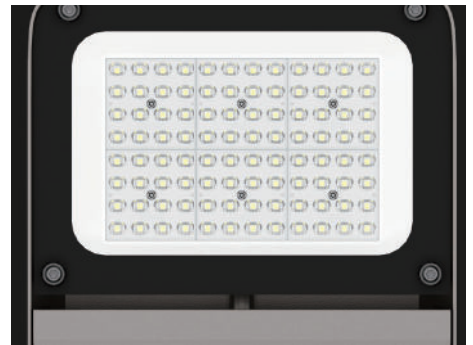
Product Features

- Luminaire efficacy: Up to 176 lm /w
- Lifetime more than 100,000 hours
- Impact resistance: IK09
- Type of protection: IP66



Product Datasheet

Structure Drawing:



Product Datasheet

Version S

Model No	ZGSM-ST23-30S	ZGSM-ST23-40S	ZGSM-ST23-50S	ZGSM-ST23-60S	
Nominal Wattage	30W	40W	50W	60W	
3030 Version	Efficiency Lumen	150 lm /w 4500 lm	150 lm /w 6000 lm	150 lm /w 7500 lm	140 lm /w 8400 lm
5050 Version	Efficiency Lumen	160 lm /w 4800 lm	160 lm /w 6400 lm	160 lm /w 8000 lm	160 lm /w 9600 lm
Ultra Version (Only valid for CCT 4000K)	Efficiency Lumen	176 lm /w 5280 lm	176 lm /w 7040 lm	176 lm /w 8800 lm	176 lm /w 10560 lm
Net Weight (Kgs)	3.3	3.3	3.3	3.3	
Packing Size (mm)	470 x240 x180	470 x240 x180	470 x240 x180	470 x240 x180	
Gross Weight (Kgs)	3.8	3.8	3.8	3.8	

Version M

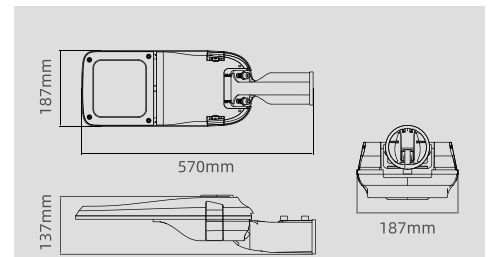
Model No	ZGSM-ST23-80M	ZGSM-ST23-100M	
Nominal Wattage	80W	100W	
3030 Version	Efficiency Lumen	140 lm /w 11200 lm	140 lm /w 14000 lm
5050 Version	Efficiency Lumen	160 lm /w 12800 lm	160 lm /w 16000 lm
Ultra Version (Only valid for CCT 4000K)	Efficiency Lumen	176 lm /w 14080 lm	176 lm /w 17600 lm
Net Weight (Kgs)	4.0	4.0	
Packing Size (mm)	472 x287 x180	472 x287 x180	
Gross Weight (Kgs)	4.6	4.6	

Version L

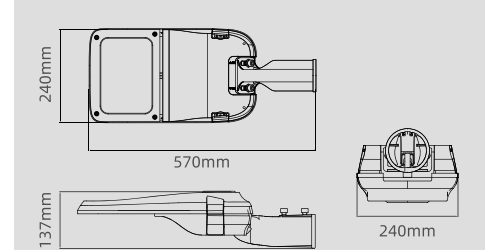
Model No	ZGSM-ST23-120L	ZGSM-ST23-150L	
Nominal Wattage	120W	150W	
3030 Version	Efficiency Lumen	140 lm /w 16800 lm	145 lm /w 21750 lm
5050 Version	Efficiency Lumen	160 lm /w 19200 lm	160 lm /w 24000 lm
Ultra Version (Only valid for CCT 4000K)	Efficiency Lumen	176 lm /w 21120 lm	176 lm /w 26400 lm
Net Weight (Kgs)	5.4	5.4	
Packing Size (mm)	550 x357 x180	550 x357 x180	
Gross Weight (Kgs)	6.3	6.3	

Version XL

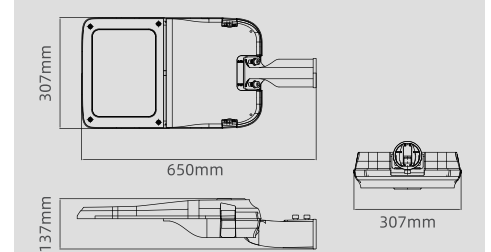
Model No	ZGSM-ST23-180XL	ZGSM-ST23-200XL	ZGSM-ST23-240XL	
Nominal Wattage	180W	200W	240W	
3030 Version	Efficiency Lumen	150 lm /w 27000 lm	150 lm /w 30000 lm	150 lm /w 36000 lm
5050 Version	Efficiency Lumen	160 lm /w 28800 lm	160 lm /w 32000 lm	160 lm /w 38400 lm
Ultra Version (Only valid for CCT 4000K)	Efficiency Lumen	176 lm /w 31680 lm	176 lm /w 35200 lm	176 lm /w 42240 lm
Net Weight (Kgs)	6.7	6.7	6.7	
Packing Size (mm)	651 x357 x180	651 x357 x180	651 x357 x180	
Gross Weight (Kgs)	7.7	7.7	7.7	



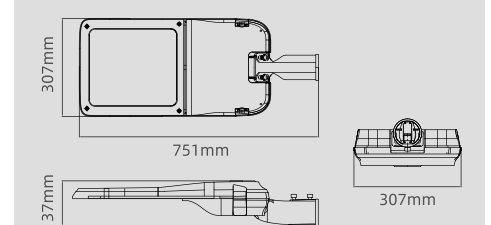
Version S



Version M



Version L



Version XL

-The net weight of the product does not include the weight of the light control base or other controllers.
 -Above values are calculated based on the product with CCT over 3000K, values of 3000K are 5% lower than above values.
 -Values shown are subject to ±5% tolerance.

Product Datasheet

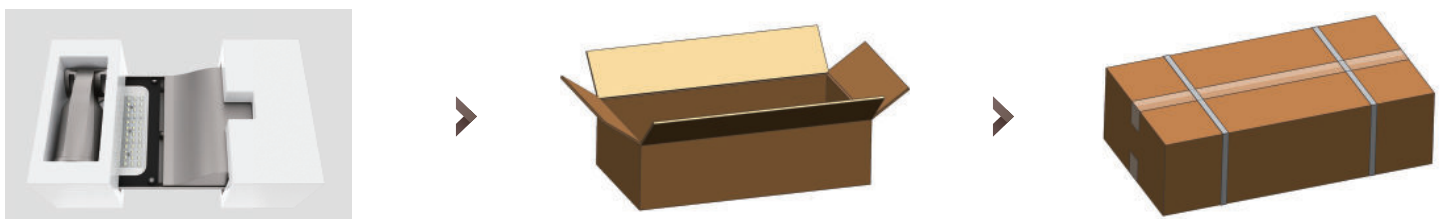
Electrical Data:

Nominal Voltage	AC 100-240V / 277V 50 / 60Hz
LED	Lumileds
Driver	Inventronics / Other brands on request
Power Factor (PF)	>0.95
THD	<15
SPD	10KV (Default) / 20KV (available on request)
Optics	Type II, Type III, Asymmetric for pedestrian crossings
Standard Deviation of Color Matching	<5 SDCM
CRI	Ra≥70
CCT	2700K, 3000K, 4000K, 5000K, 5700K, 6500K

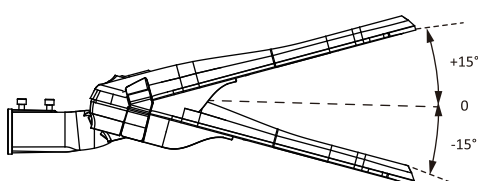
General Data

Body Material	High pressure die-cast aluminum
Housing Color	Gray-RAL9007 (Default) / Other Colors on request
Cover Material	Tempered glass
Lens Material	UV-resistant Polycarbonate
Working Environment	-40°C ~ +50°C, 10% ~ 90%RH
Lifespan L70 at 25 °C	>100,000 h
Mounting Type	Side entry or Vertical pole mounted
Dimmable	1-10V Dimming (Default) / Timer Dimming / DALI Dimming
Protection Class	Class I (Default) / Class II
Certifications & Standards	CE, RoHS, ENEC , CB, LM79, LM80, TM-21, IEC62471, IEC60068-2-6, IEC61643-11
Available on request	NEMA socket (3/5/7pins), ZHAGA socket, Short cap, Photocell, Motion sensor, NTC, OLC, Solar Compatible, Smart Controller

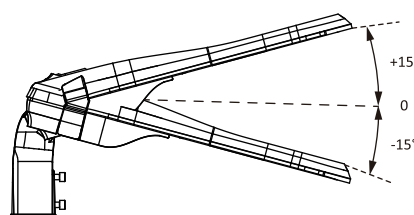
Packaging



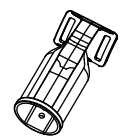
Flexible Fitter



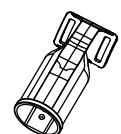
Horizontal Installation
±0-5-10-15°



Vertical Installation
±0-5-10-15°



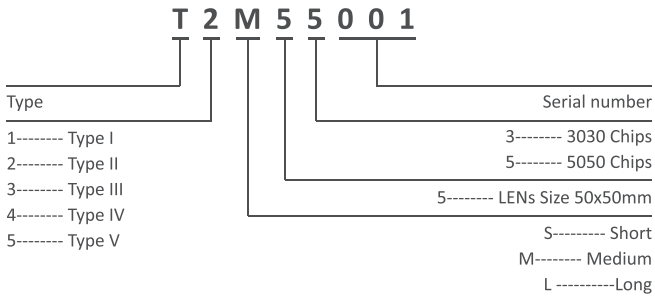
Fitter
Diameter: 48mm/1.89"



Fitter
Diameter: 60mm/2.36"

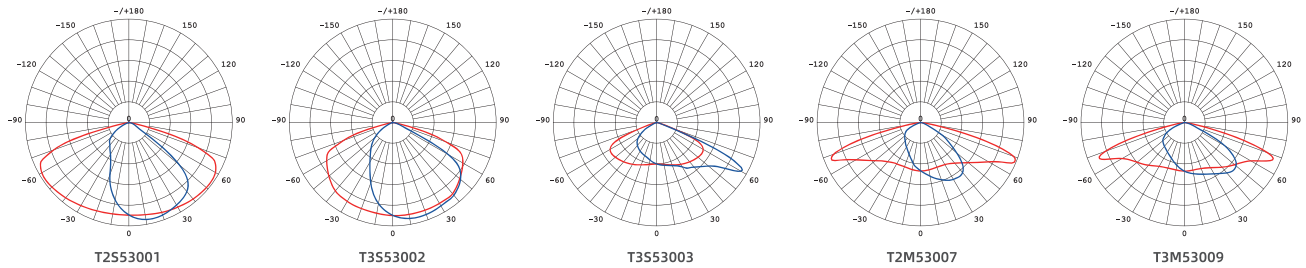
Product Datasheet

Order reference

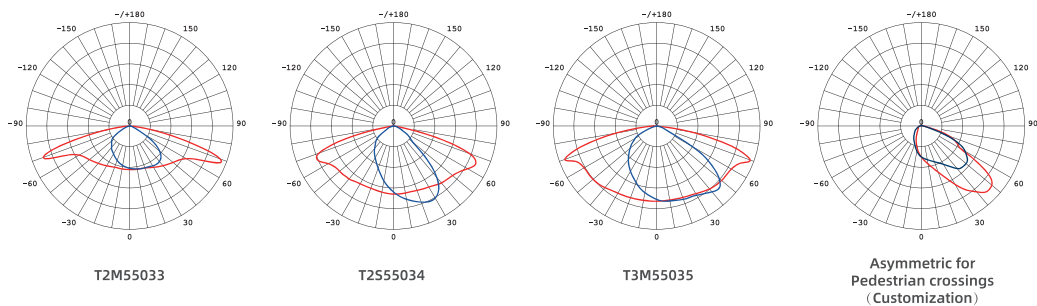


Light Distributions

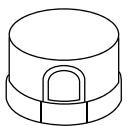
3030 Version



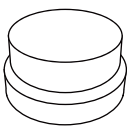
5050 Version



Optional Accessories



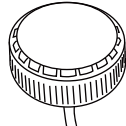
Photocell



Shorting Cap



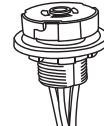
NEMA Socket
(3 / 5 / 7pin)



Motion Sensor



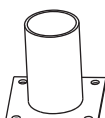
Smart Controller



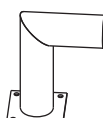
ZHAGA Socket



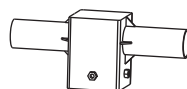
Square to round



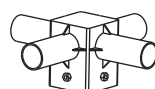
"T" Type



"L" Type



"2" in "1"



"4" in "1"

