FALCON
LED Street Light

ZGSM
SAVE ENERGY FOR TOMORROW

5 YEAR WARRANTY

Areas of application

- Urban roads
- Express roads
- Town roads
- Residential area roads
- Pedestrian crossings
- Parking areas

Product Benefits

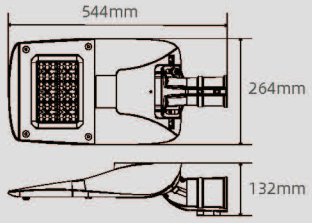
- 70% energy saving, short ROI period
- Up to 100, 000hrs @ L70, low maintenance cost
- World class, approbated quality components (LEDs /Driver /etc.)
- Support horizontal and vertical mounted, suitable for different light poles
- Tool-less opening of driver box, ease of maintenance
- 5 years warranty

Product Features

- Luminaire efficacy: Up to 170 lm /w
- Lifetime more than 100, 000 hours
- Impact resistance: IK09 /IK10
- Type of protection: IP66

Version S

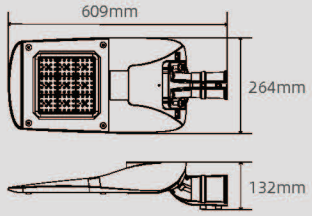
Model No		ZGSM-ST19-30S	ZGSM-ST19-30S*	ZGSM-ST19-50S	ZGSM-ST19-60S
Nominal Wattage		30W	30W	50W	60W
3030 Version	Efficiency Lumen	150 lm /w 4500 lm	155 lm /w 4650 lm	150 lm /w 7500 lm	150 lm /w 9000 lm
5050 Version	Efficiency Lumen	160 lm /w 4800 lm	165 lm /w 4950 lm	165 lm /w 8250 lm	165 lm /w 9900 lm
Net Weight (Kgs)		4.0	4.0	4.0	4.0
Packing Size (mm)		480 x310 x175	480 x310 x175	480 x310 x175	480 x310 x175
Gross Weight (Kgs)		4.7	4.7	4.7	4.7



Version S

Version M

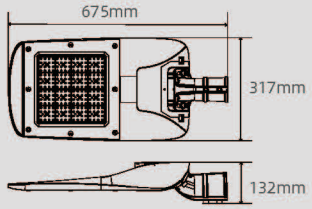
Model No		ZGSM-ST19-80M	ZGSM-ST19-100M
Nominal Wattage		80W	100W
3030 Version	Efficiency Lumen	150 lm /w 12000 lm	145lm /w 14500 lm
5050 Version	Efficiency Lumen	160 lm /w 12800 lm	155 lm /w 15500 lm
Net Weight (Kgs)		4.4	4.4
Packing Size (mm)		545 x310 x175	545 x310 x175
Gross Weight (Kgs)		5.0	5.0



Version M

Version L

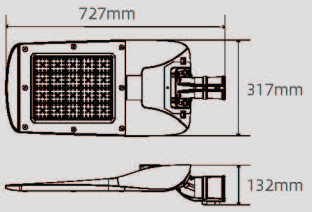
Model No		ZGSM-ST19-100L	ZGSM-ST19-100L*	ZGSM-ST19-120L	ZGSM-ST19-150L
Nominal Wattage		100W	100W	120W	150W
3030 Version	Efficiency Lumen	160 lm /w 16000 lm	165 lm /w 16500 lm	155 lm /w 18600 lm	155 lm /w 23250 lm
5050 Version	Efficiency Lumen	165 lm /w 16500 lm	170 lm /w 17000 lm	165 lm /w 19800 lm	165 lm /w 24750 lm
Net Weight (Kgs)		6.0	6.0	6.0	6.0
Packing Size (mm)		610 x365 x175	610 x365 x175	610 x365 x175	610 x365 x175
Gross Weight (Kgs)		6.7	6.7	6.7	6.7



Version L

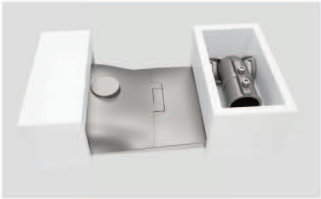
Version XL

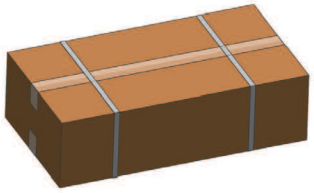
Model No		ZGSM-ST19-150XL*	ZGSM-ST19-180XL	ZGSM-ST19-200XL
Nominal Wattage		150W	180W	200W
3030 Version	Efficiency Lumen	160 lm /w 24000 lm	150 lm /w 27000 lm	155 lm /w 31000 lm
5050 Version	Efficiency Lumen	170 lm /w 25500 lm	155 lm /w 27900 lm	160 lm /w 32000 lm
Net Weight (Kgs)		6.8	6.8	6.8
Packing Size (mm)		665 x365x175	665 x365x175	665 x365x175
Gross Weight (Kgs)		7.6	7.6	7.6



Version XL

-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.
-Model No with "*" means high efficiency version.





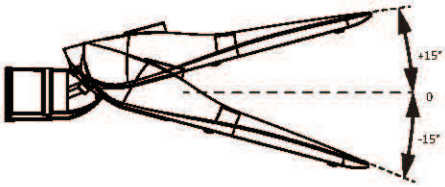
Electrical Data:

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 (Default) / Ra>80
CCT	1800K, 2200K, 2700K, 3000K, 4000K, 5000K, 5700K, 6500K

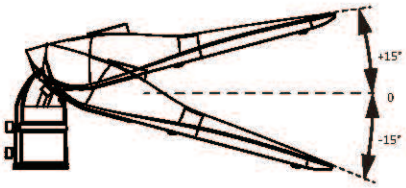
General Data

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℃ ~ +50℃, 10%～90%RH
Lifespan L70 at 25 ℃	>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**, **ENEC+**, CB, LM79, LM80, TM-21, IEC62471, IEC60068-2-6, IEC61643-11, **Zhaga-D4i**
Available on request	NEMA socket (3/5/7pins), ZHAGA socket, Short cap, Photocell, Motion sensor, Knife switch, NTC, OLC, Solar Compatible, Smart Controller

Flexible Fitter



Horizontal Installation
±0-5-10-15°



Vertical Installation
±0-5-10-15°

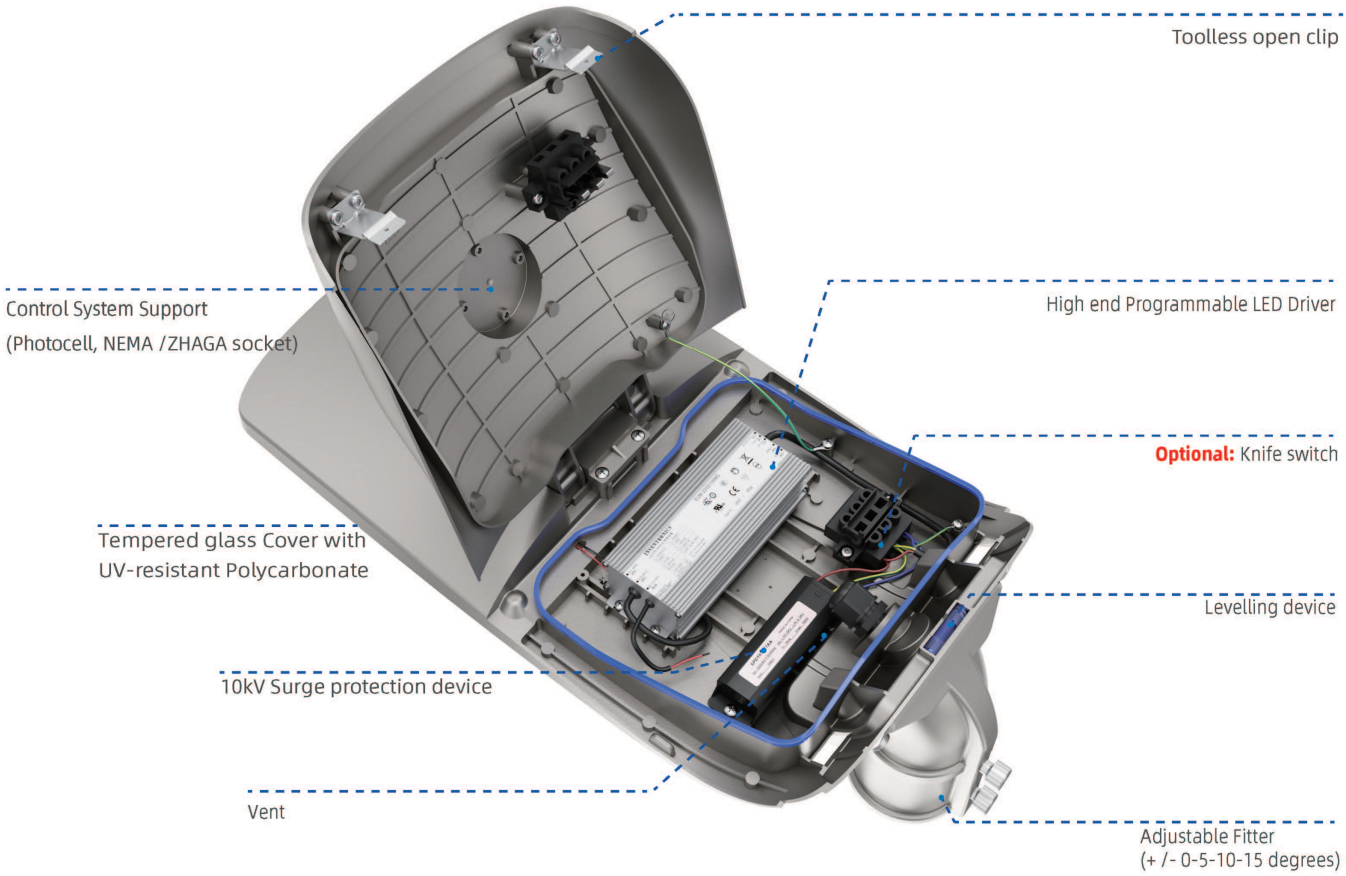
Adjustable Fitter

Two Sizes Fitter

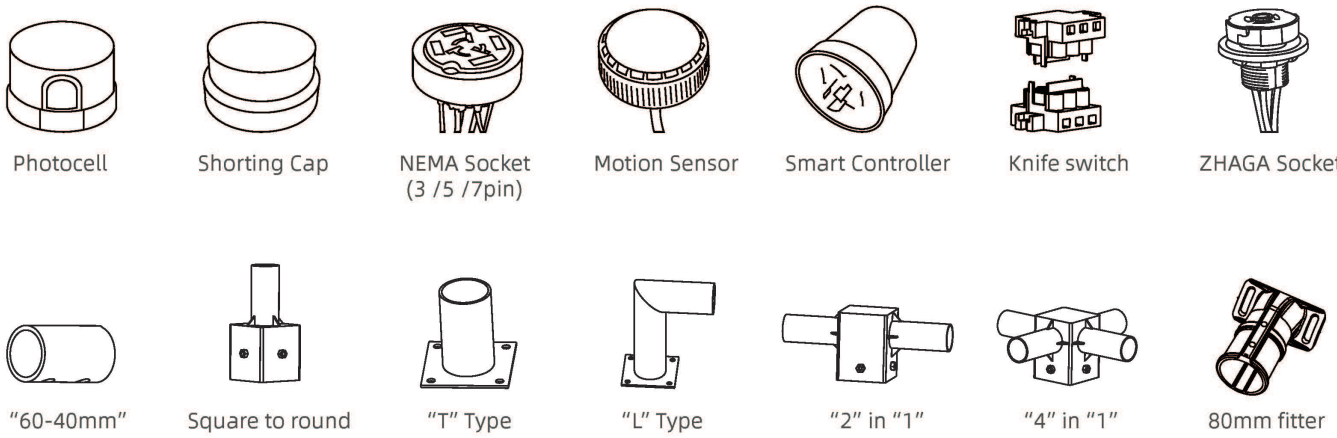
Diameter: 60mm/2.36"

Diameter: 80mm/3.15"

Structure Drawing:



Optional accessories



Light Distributions

Order reference

T 2 M 5 5 0 0 1

Type
1-------- Type I
2-------- Type II
3-------- Type III
4-------- Type IV
5-------- Type V

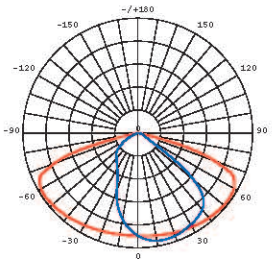
S--------- Short
M-------- Medium
L ----------Long

5-------- LENs Size 50x50mm

3-------- 3030 Chips
5-------- 5050 Chips

Serial number

3030 Version



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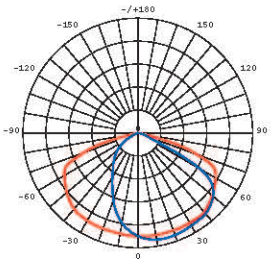

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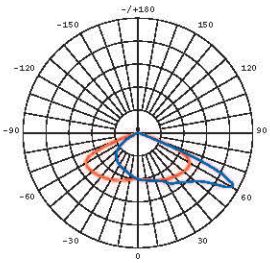

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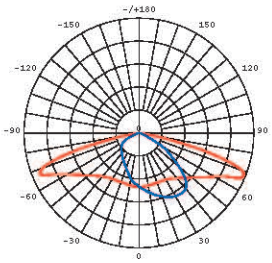

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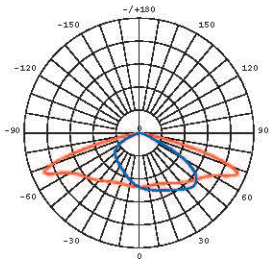

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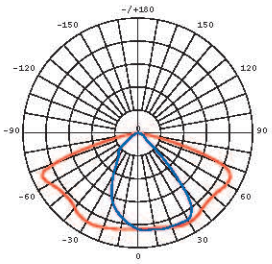
5050 Version



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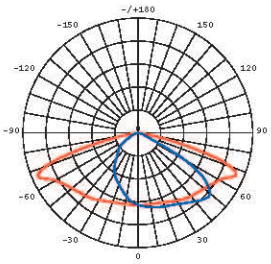

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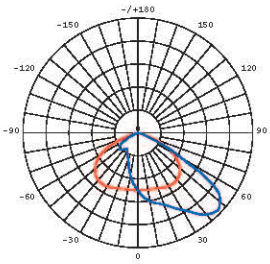

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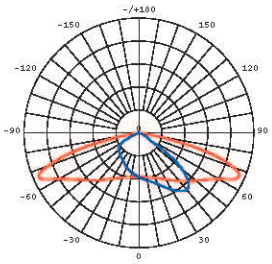

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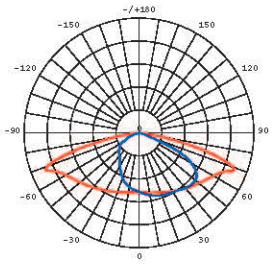

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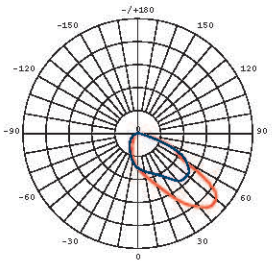

Asymmetric for
Pedestrian crossings