Kmini-SERIES

ZGSM
SAVE TODAY'S ENERGY FOR TOMORROW

UKAS QUALITY MANAGEMENT

ISO9001
ISO14001
ISO50001

LUMILEDS
The Brighter Choice

POWERED BY
INVENTRONICS

CE CB RoHS Compliant IP66 IK10 LM-80

5 YEAR WARRANTY

LED STREET LIGHTS

SERIES-Kmini
LED STREET LIGHTS

PRODUCT CATALOG

SERIES-Kmini
LED STREET LIGHTS
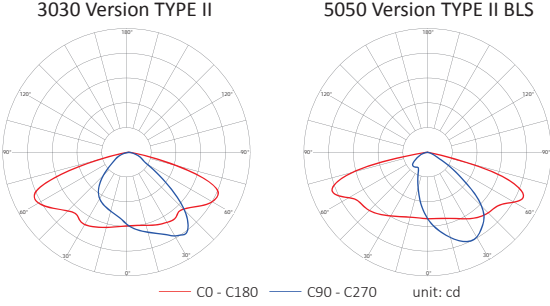
PRODUCT CATALOG

High-efficacy LED light source

Philips Lumileds 3030 2D
Greater than 150lm/W high efficacy, illumination grade LED light source.

Philips Lumileds 5050
Greater than 185lm/W high efficacy, illumination grade LED light source.

Light Distribution Diagram

3030 Version TYPE II   5050 Version TYPE II BLS

C0 - C180   C90 - C270   unit: cd

Connect base
Disassemble easily which reduces maintenance costs.

Surge protection device(10KV)
To provide more reliable guarantee for LED driver, extend the life of the product.

Photocell available
Lamp will Auto turn on and off according to lux difference.

POWERED BY
INVENTRONICS

High-end Inventronics LED driver, integrate dimming function and 4KV /6KV surge protection. Provide excellent performance and lifespan.

Waterproof connector
Use M16 waterproof connector to ensure that the driver box is waterproof and damage caused by excessive force.

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Φ 60mm

179 mm

447 mm

77 mm
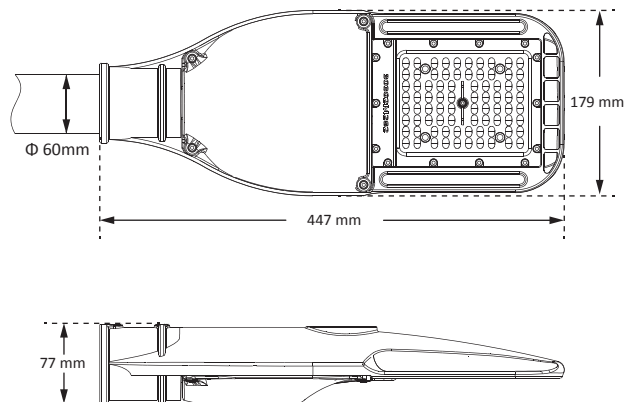
Electrical & Photometric

★ 3030 Version

Series	Model	LED Qty/ Current	Power	Luminaire efficacy (+/- 5%)	Lumen Output (+/- 5%)	Input Voltage	LED Brand	Driver Brand	Dimming 0(1)-10V	Light Distributions	CCT (K)	Surge Protection Device	Lifetime (h)
Kmini	ZGSM-LD28Kmini	40units/ 100mA	28W	142 lm /w	3976 lm	100-240V /277V AC 50 /60Hz	Philips Lumileds 3030 2D	Inventronics	×	TypeII, Medium	3000* 4000 5000 5700	10KV	>100,000 (L70)
	ZGSM-LD38Kmini	56units/ 100mA	38W	136 lm /w	5168 lm				√				
	ZGSM-LD57Kmini	80units/ 105mA	57W	137 lm /w	7809 lm				√				

*Luminous Efficacy of 3000K is 5% lower than other CCTs.

★ 5050 Version

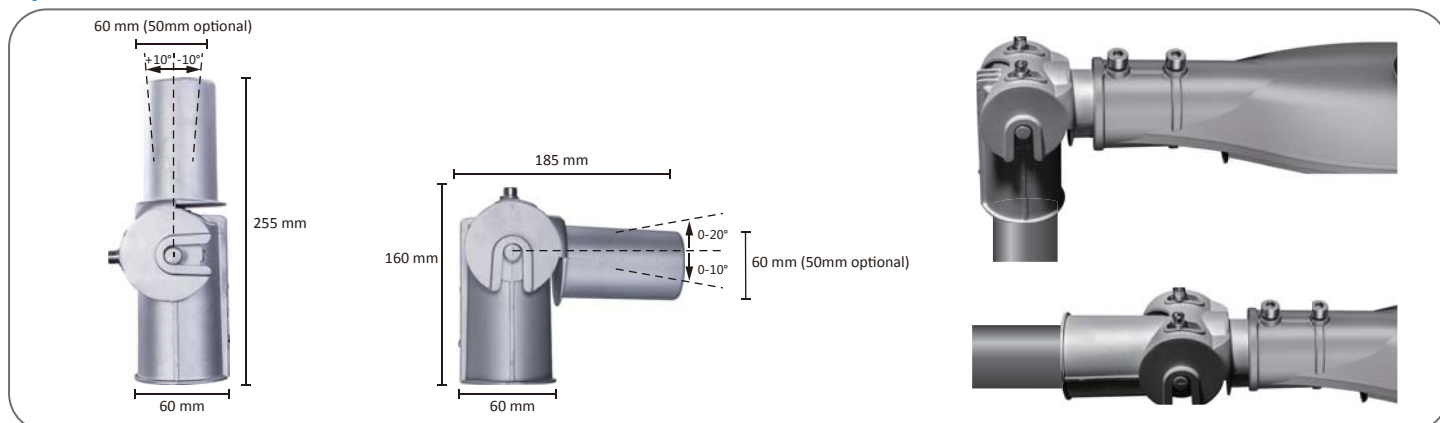| Series	Model	LED Qty/ Current	Power	Luminaire efficacy (+/- 5%)	Lumen Output (+/- 5%)	Input Voltage	LED Brand	Driver Brand	Dimming 0(1)-10V	Light Distributions	CCT (K)	Surge Protection Device	Lifetime (h)
Kmini	ZGSM-LD28Kmini	16units/ 63mA	26W	151 lm /w	3926 lm	100-240V /277V AC 50 /60Hz	Philips Lumileds 5050	Inventronics	×	TypeII, Medium (BLS)	3000* 4000 5000 5700	10KV	>100,000 (L70)
	ZGSM-LD38Kmini	22units/ 64mA	36W	146 lm /w	5256 lm				√				
	ZGSM-LD57Kmini	28units/ 75mA	53W	144 lm /w	7632 lm				√				

*Luminous Efficacy of 3000K is 5% lower than other CCTs.

Working Environment & Packing

Model	Product Dimensions (mm)	Carton Size (mm)	N.W (kg)	G.W (kg)	Working Environment	Storage Temperature	Rating	CRI	Power Factor	Power Efficiency	Material	Pole Diameter (mm)
ZGSM-LD28Kmini	447*179*77	465*200*100	2.2	2.6	-40 ºC ~ +50 ºC 10% ~ 90%RH	-40 ºC ~ +50 ºC	Class I IP66 IK10	>70	>0.95	>90%	Housing: Die-cast aluminum Lens: PC	60 (50 optional)
ZGSM-LD38Kmini	447*179*77	465*200*100	2.2	2.6								
ZGSM-LD57Kmini	447*179*77	465*200*100	2.3	2.7								

Note: Above data of weight are all typical values.

Optional accessories

60 mm (50mm optional)

+10° -10°

255 mm

60 mm

185 mm

160 mm

0-20°
0-10°

60 mm (50mm optional)

60 mm

Solar Street Light System

SOLAR PANEL

Lamp

Model list:
ZGSM-LD28Kmini
ZGSM-LD38Kmini
ZGSM-LD57Kmini

CONTROLLER

PARTS CONNECTION DIAGRAM

A complete set of Solar street light includes Lamp, Battery, Panel, Controller, Pole, Cable and etc. ZGSM also provides solutions for solar system based on Kmini series.
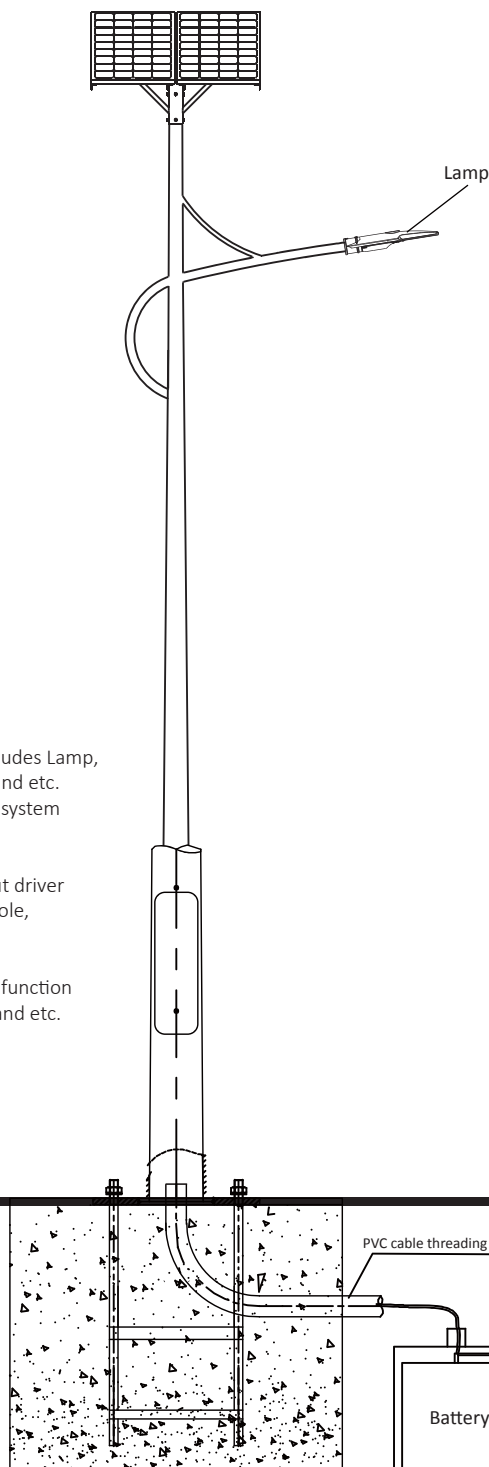Option 1
ZGSM Street Light with DC12/24V input driver
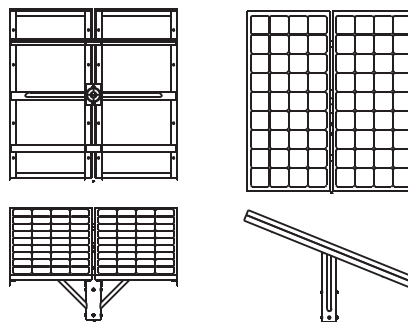Rest parts: Battery, Panel, Controller, Pole, Cable and etc.
Option 2
ZGSM Street light combines controller function
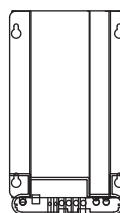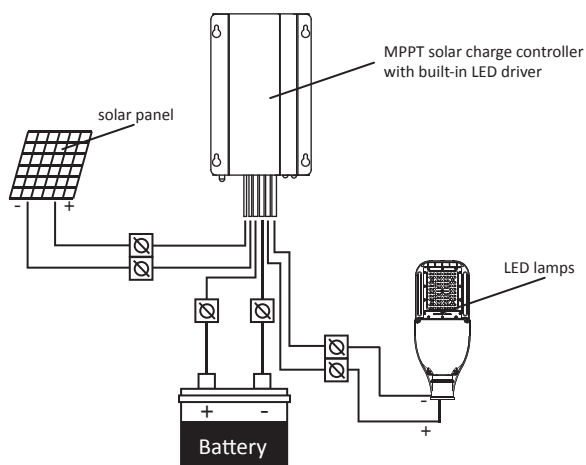Rest parts: Battery, Panel, Pole, Cable and etc.

MPPT solar charge controller with built-in LED driver

solar panel

LED lamps

Battery

**GROUND**

PVC cable threading pipes

Battery   Battery

Customized service

Due to each city has its own sunshine condition, and customers have different working hours and rainy days on request.

If you want to know more exact configuration, please contact us for below questions:

1. What is the geographical location your solar LED street lighting system will be installed?
2. How many hours per night the LED street light works?
3. How many days to backup in case of continuous rainy days?
4. Do you need dimming the LED street light (during the off-peak hours)?
5. Do you have any other requirements?

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Intelligence Street Lighting System
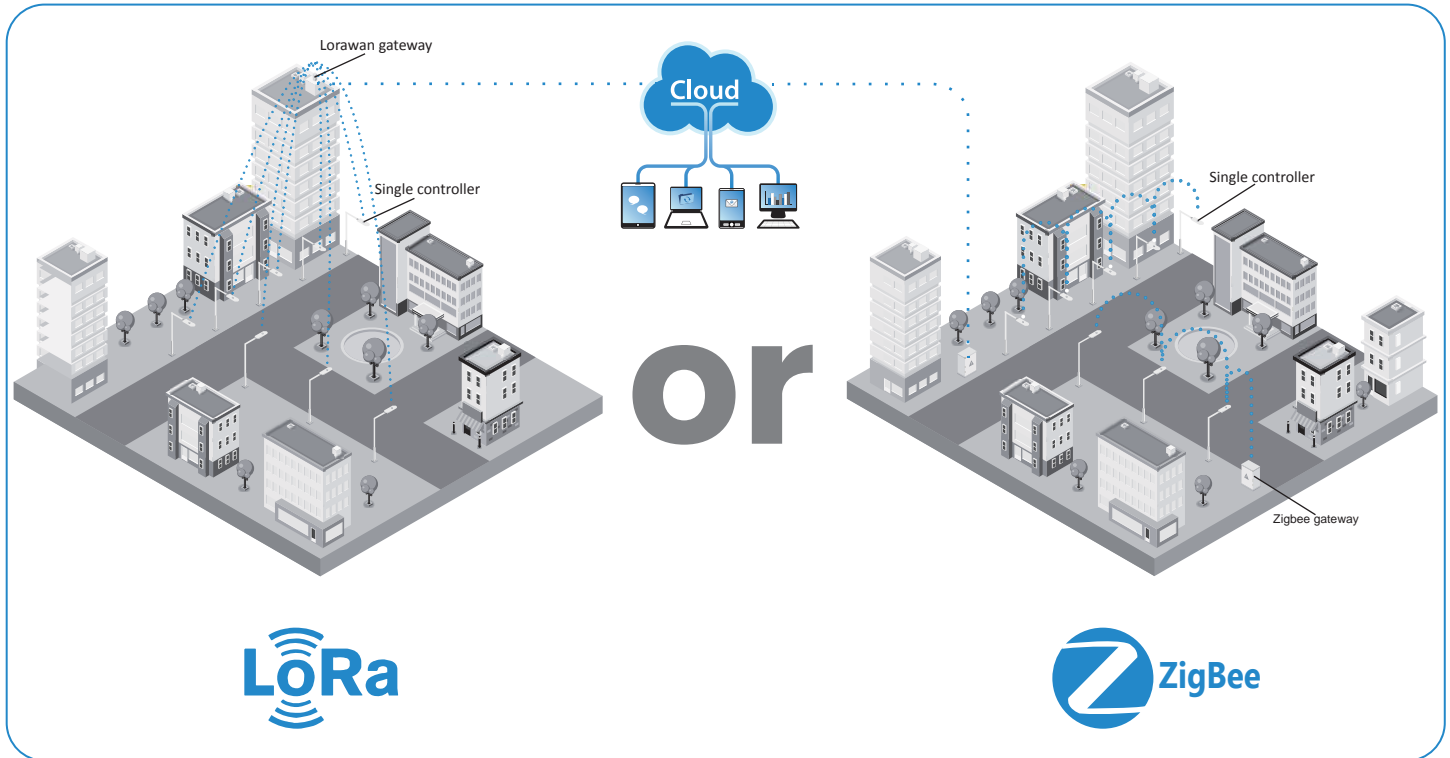
ZGSM provides a total solution for intelligence street lighting system.
ZGSM street light intelligence system is made up by software, gateway, single light controller. The gateway is installed in the distribution cabinet, the single light controller is installed in the lighting terminal. It proceeds with communication via GPRS/ CDMA/ WCDMA wireless network or cable network & monitor center and proceeds with communication via ZIGBEE/ LORA.

Gateway can control each single light controller via receiving, executing, forwarding PC management software, which can control each lamp's switching on/ off or dimming, then save electric energy. It can also monitor the lamps' electric energy to achieve failure lamps function. Gateway can built-in DO to achieve street light loop control, it can connect with other equipment to collect local illumination, temperature and other information, feedback to PC management software and achieve to monitor the current information.
At present, all our series of LED street lights can be combined with the intelligence street lighting system...
If you want to know more, please contact ZGSM Team.

Optical Control

Optical control function is supported by optional
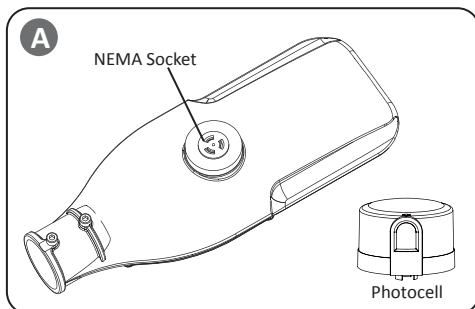
If the fixture with PHOTOCELL function, the NEMA Socket will be installed on the cover of fixture. See **A**. Fit the pins of Photocell to NEMA Socket, firmly insert and rotate Photocell to proper position.

<Verifying>
Make sure all the connections done and photocell is well installed on the fixture, switch on the power supply and cover the window of NEMA Socket, wait 5 seconds, the fixture will be turned on.