

N-SERIES



ZGSM

SAVE TODAY'S ENERGY FOR TOMORROW



ISO9001
ISO14001
ISO50001



5 YEAR
WARRANTY

LED STREET LIGHTS



Overview

The ZGSM® N-Series LED street lights are using PHILIPS LUMILEDS® luminous source, providing excellent lumen output, long-lasting stability and splendid sight.

The ZGSM N-Series LED street lights have a high luminous efficiency and better service life. Provide 5 years warranty on luminaire.

Color Options

Deep Gray

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.

EXTERNAL LED DRIVER (Two options)

+ NON-DIMMABLE



High-end Mean Well LED driver, optimal stability, performance and lifespan.

+ DIMMABLE



High-end Inventronics programmable LED driver, integrate dimming function and 6KV /10KV surge protection. Provide excellent performance and lifespan.

SELF-CLEANING DESIGN



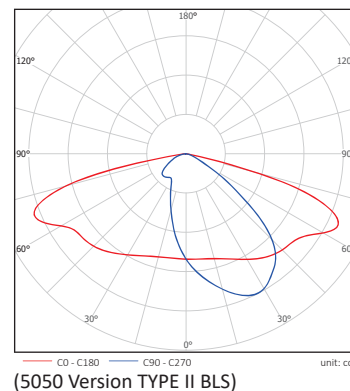
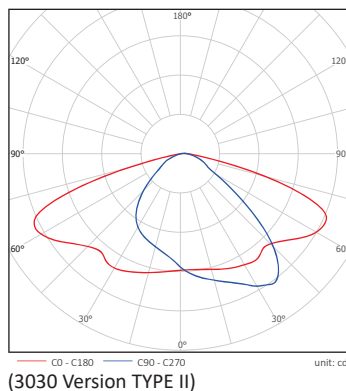
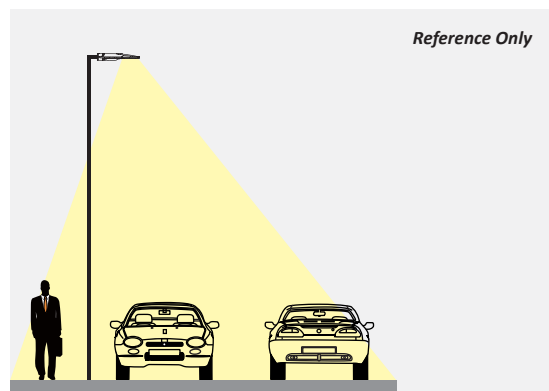
Smooth body will greatly diminish dust accumulation and bird dropping build-up.

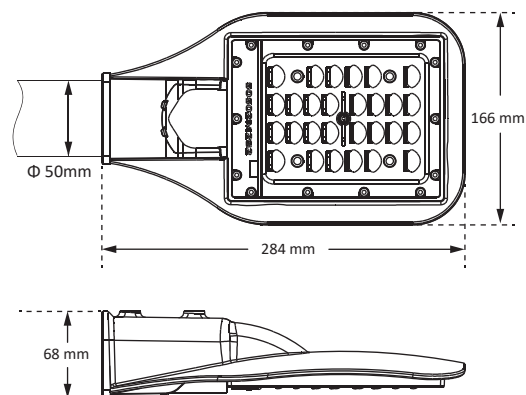
SMART DESIGN



The first driver-less design greatly reduces the volume of the luminaire and reduces the transportation cost under the conditions of heat dissipation.

Optics





Electrical & Photometric

★ 3030 Version

Series	Model	LED Qty/ Current	Power	Luminaire efficacy (+/- 5%)	Lumen Output (+/- 5%)	Input Voltage	LED Brand	Driver Brand	Light Distributions	CCT (K)	Lifetime (h)
N	ZGSM-LD20N	40units/ 75mA	20W	146 lm /w	2920 lm	100-240V /277V AC 50 /60Hz	Philips Lumileds 3030 2D	MeanWell Inventronics	Typell, Medium	3000* 4000 5000 5700	>100,000 (L70)
	ZGSM-LD20N+	80units/ 38mA	20W	156 lm /w	3120 lm						
	ZGSM-LD30N	40units/ 115mA	30W	140 lm /w	4200 lm						
	ZGSM-LD30N+	80units/ 58mA	30W	151 lm /w	4530 lm						
	ZGSM-LD40N	56units/ 110mA	40W	140 lm /w	5600 lm						
	ZGSM-LD40N+	80units/ 78mA	40W	147 lm /w	5880 lm						
	ZGSM-LD50N	80units/ 95mA	50W	142 lm /w	7100 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	Light Distributions	CCT (K)	Lifetime (h)
N	ZGSM-LD20N	16units/ 48mA	20W	154 lm /w	3080 lm	100-240V /277V AC 50 /60Hz	Philips Lumileds 5050	MeanWell Inventronics	Typell, Medium (BLS)	3000* 4000 5000 5700	>100,000 (L70)
	ZGSM-LD20N+	28units/ 28mA	20W	160 lm /w	3200 lm						
	ZGSM-LD30N	16units/ 72mA	30W	150 lm /w	4500 lm						
	ZGSM-LD40N	22units/ 70mA	40W	150 lm /w	6000 lm						
	ZGSM-LD50N	28units/ 70mA	50W	150 lm /w	7500 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	Material	Pole Diameter (mm)
ZGSM-LD20N	284*166*68	290*180*100	1.0	1.53	-40 °C ~ +50 °C 10% ~ 90%RH	-40 °C ~ +50 °C	Class I IP66 IK10	>70	Housing: Die-cast aluminum Lens: PC	50
ZGSM-LD30N	284*166*68	290*180*100	1.0	1.53						
ZGSM-LD40N	284*166*68	290*180*100	1.0	1.53						
ZGSM-LD50N	284*166*68	290*180*100	1.0	1.53						

Note: Above data of weight are all typical values.

Multiple applications



Off-grid applications

N Series are perfectly applied to the solar street light. The MPPT solar controller with built in the LED driver can solve the problem of driver. This is also the original intention of the N Series design. Due to the consideration of the built-in drive for traditional LED street lights, a large space must be designed to put the LED driver, it has led to a limited reduction in the cost of Luminaires. The N series change the traditional way of thinking and directly save the space for driver.



Grid application

The N Series use an external driver design. The driver will be placed at the bottom of the pole as a vulnerable component in whole luminaire. This design can greatly reduce the maintenance cost of the luminaire. It is very convenient to replace the failure driver without lifter.

Optional accessories

