

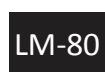
K-SERIES



ZGSMTECH
QUALITY YOU CAN TRUST



ISO9001
ISO14001



5 YEAR
WARRANTY

UFO LED HIGH BAY LIGHTS





Overview

The ZGSM® K-Series LED high bay lights are using LUMILEDS® LUXEON 3030 2D luminous source, providing excellent lumen output, long-lasting stability and splendid sight.

The ZGSM® K-Series LED high bay lights are using high-end LED driver with long lifespan. Provide 5 years warranty on luminaire.

Color Options

● black

LED LUMINOUS SOURCE



LED DRIVER (Two options)

+ NON-DIMMABLE



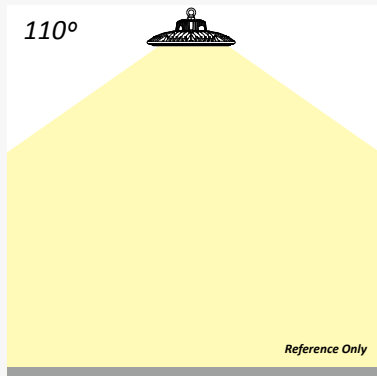
High-end Mean Well HLG Series LED driver, optimal stability, performance and lifespan.

+ DIMMABLE

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

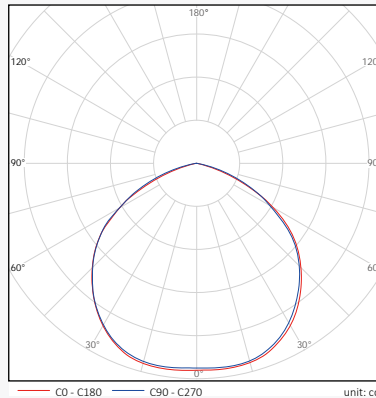
HEAT RADIATOR

Unique thermal design, stable product performance.



Beam Angle: 110°

Application: Workshop, Warehouse | Gas Station | Parking Garage | Area Lighting



Utilize high permeability tempered glass, providing the best lumen output of the luminaire.



Excellent thermal management system and heat radiation enable the LEDs consistently work cooler, providing significant boosts to lifetime and efficacy.



Simple ring structure design, easy for suspended mounting.



Utilize waterproof connectors to fix the input cable, avoid damage of hard power pulling



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SERIES-K

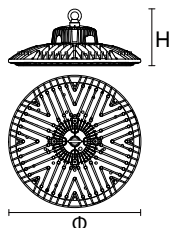
UFO LED HIGH BAY LIGHTS

PRODUCT CATALOG



Product	ZGSM-GCD60K	ZGSM-GCD100K	ZGSM-GCD150K	ZGSM-GCD200K
Norminal Wattage	60W	100W	150W	200W
LED Qty & Current	90 units & 100 mA	150 units & 100 mA	225 units & 100 mA	300 units & 100 mA
Length of heat sink	Φ320mm	Φ320mm	Φ430mm	Φ430mm
Input Voltage	100-240V / 277V AC 50 / 60Hz			
Dimming	0 (1) -10V, PWM			
LED Brand	Philips Lumileds 3030			
Driver Brand	Inventronics Driver			
Max. Current @ 120V	0.62A	1.03A	1.54A	2.06A
Max. Current @ 208V	0.36A	0.59A	0.89A	1.19A
Max. Current @ 240V	0.31A	0.51A	0.77A	1.03A
Max. Current @ 277V	0.27A	0.45A	0.67A	0.89A
Operating Temperature	-40 °C to +50 °C			
Power Factor(PF)	>0.95			
THD	<20%			
Lumen Output (+/- 5%)	7200 lm	12500 lm	18300 lm	24000 lm
Luminaire efficacy (+/- 5%)	120 lm /w	125 lm /w	122 lm /w	120 lm /w
Beam Angle	110°			
CRI	> 70			
CCT	4000K (Nature White), 5000K (Pure White), 5700K (Cool White)			
Rating	IP65, IK10			
Material	Die-cast aluminum ; Tempered Glass			
Installation	Suspended Mounting			
Accessories (Optional)	Motion Sensor			
Shell Color	Black(RAL9005) , other RAL colors available on request			
Lumen Maintenance	> 75,000 hours-L70 at 25 °C			
Certifications	CE, ROHS, ISO9001, ISO14001, LM80			
Packaging Type	1 unit /ctn.			

DIMENSION DATA



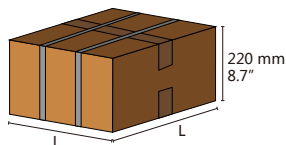
Nominal Wattage	60W	100W	150W	200W
"Φ" Diameter	320 mm 12.6"	320 mm 12.6"	430 mm 17.0"	430 mm 17.0"
"H" Height	180 mm 7.1"	180 mm 7.1"	185 mm 7.3"	195 mm 7.7"
Weight	4.2 kg 9.3 lbs.	4.2 kg 9.3 lbs.	7.1 kg 15.7 lbs.	7.7 kg 17.0 lbs.

LUMEN MAINTENANCE

Ambient Temperature	TM-21 Lumen Maintenance (54,000 Hours)	Theoretical L70 (Hours)
25 °C	78.05%	82,000
40 °C	78.99%	79,000
50 °C	78.49%	75,000

*Visit <http://zgsm-china.com/product/Lighting/category/street-lights/series-h2/> for TM-21 Report

PACKAGING DATA



Nominal Wattage	60W	100W	150W	200W
"L" Length	370 mm 14.6"	370 mm 14.6"	480 mm 18.9"	480 mm 18.9"
Weight	5.0 kg 11.0 lbs.	5.0 kg 11.0 lbs.	8.5 kg 18.7 lbs.	9.1 kg 20.1 lbs.

CERTIFICATION

IP65/ IK10 Rated CE / ROHS IOS9001, ISO14001

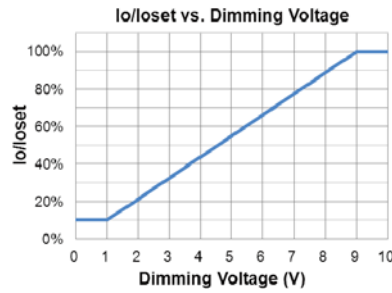
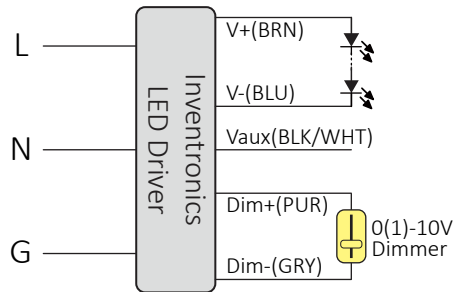


Dimming

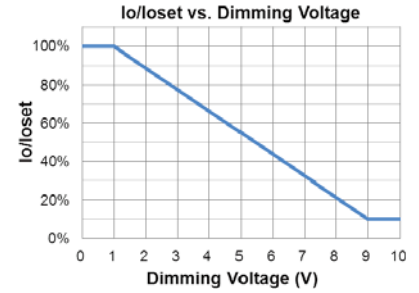
Multiple dimming functions are integrated (0(1)-10V DC or PWM Signal).

† 0(1)-10V Dimming

The recommended implementation of the dimming control is provided below.



Implementation 3: Positive logic



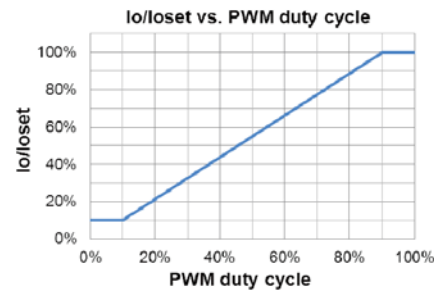
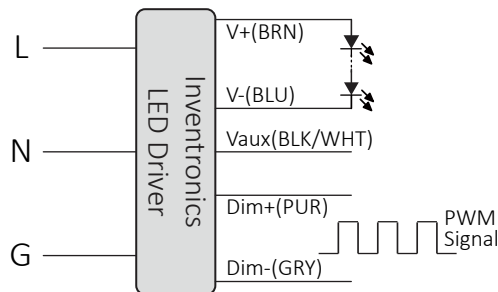
Implementation 4: Negative logic

Notes:

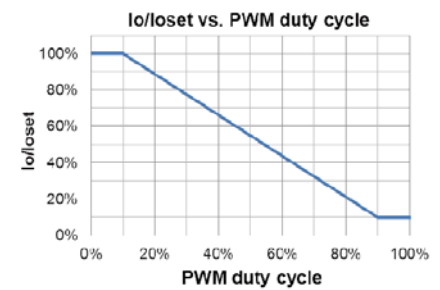
1. The dimmer can also be replaced by an active 0(1)-10V voltage source signal or passive components like resistors and zener.
2. Do NOT connect Dim- to the output V- or V+, otherwise the driver will not work properly.
3. If 0(1)-10V dimming is not used, Dim + should be open.
4. When 0(1)-10V negative logic dimming mode and Dim+ is open, the driver will output maximum current.

† PWM Dimming

The recommended implementation of the dimming control is provided below.



Implementation 5: Positive logic



Implementation 6: Negative logic

Notes:


1. Do NOT connect Dim- to the output V- or V+, otherwise the driver will not work properly.
2. If PWM dimming is not used, Dim + should be open.
3. When PWM negative logic dimming mode and Dim+ is open, the driver will output maximum current.

AFTER-SALE SERVICE

Hangzhou ZGSM Technology Co., Ltd ("ZGSM") warrants this ZGSM-branded hardware product against defects in materials and workmanship under normal use for a period of FIVE (5) YEARS from the date of purchase. ZGSM provides free repair or replacement within warranty period. ZGSM shall charge against defeats by abnormal storage, usage, connection or change the structure or any components of the product.

*Damage by thunder stroke over 4KV(L,N to FG) /4KV(L to N) will not covered by warranty based on IEC61000-4-5.

The product (LED lighting equipment, electrical, electronic equipment) should not be placed in municipal waste. Check local regulations for disposal of electronic products.

- Features and specifications are subject to change without notice.
- The product color may be different with actual due to discrepancy of camera or screen settings.
- ZGSM () is a trademark of ZGSM Tech. All other trademarks are trademarks of their respective owners.