

H
SERIES



File No. E466856

5 YEAR
WARRANTY

Introducing a New Premium Experience

Overview

An elegant design with ZGSM® 3RD Generation LED Module, High Efficient PHILIPS® LUXEON® REBEL ES LED Luminous Source and High Reliable MEANWELL® HLG LED Driver.

The ZGSM H-Series LED Street Lights own up to 95 lumens per watt efficiency and over than 100,000 hours operation life.

Color Options



Application

- Municipal Road
- Highway
- Public Park
- Parking Lot

UL US TÜV GS CE RoHS CB
LM-79 DLC IK08 IP66
www.zgsm-china.com





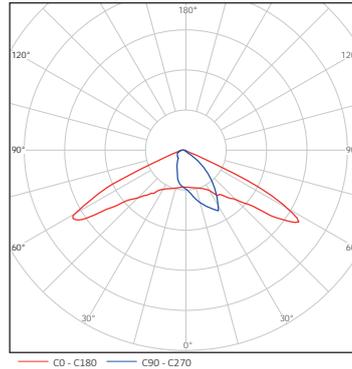
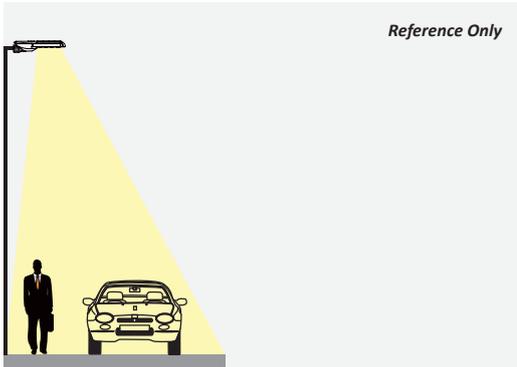
Available in
BLACK

cUL_{us}   **CE** **RoHS** **CB**
LM-79 DLC IK08 IP66

www.zgsm-china.com

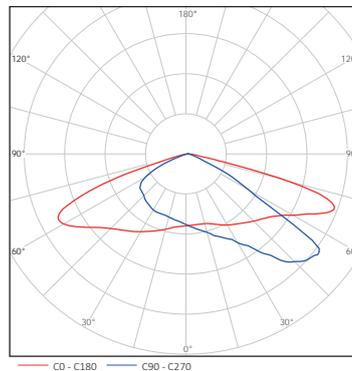
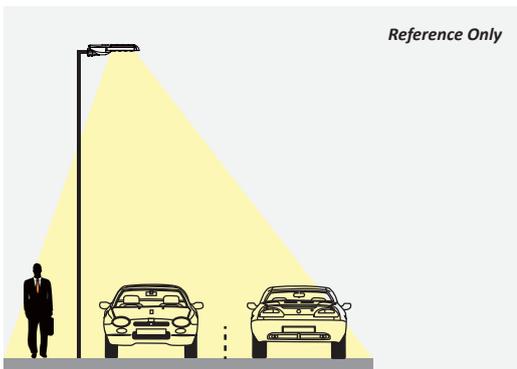
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Light Distribution



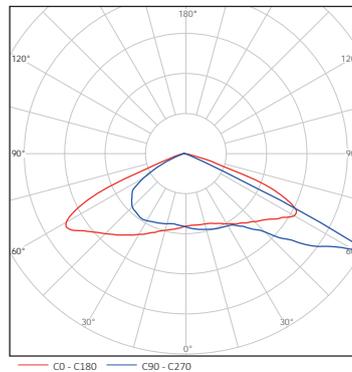
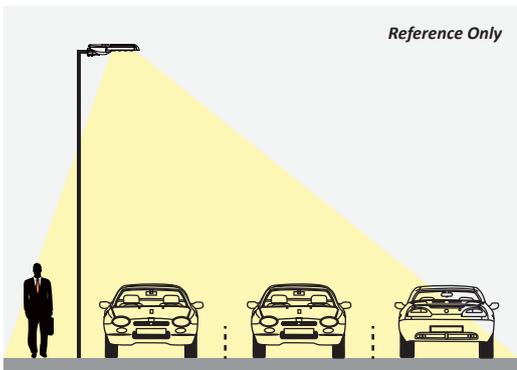
Type I, Short

- Application:
1. Single Driveway
 2. Walkway /Cycleway
 3. Branch Roads



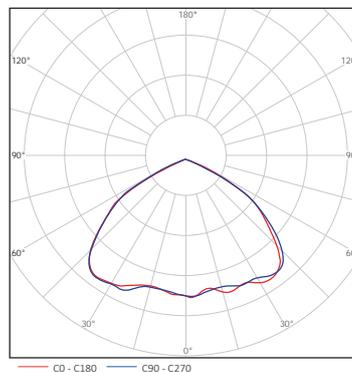
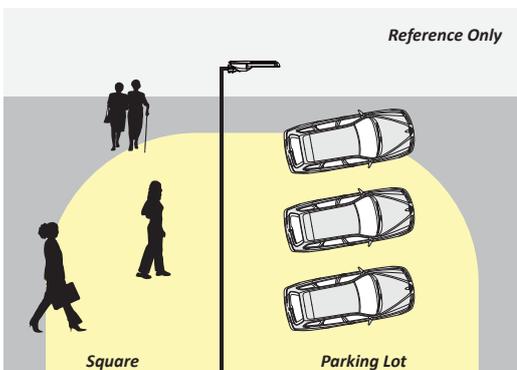
Type II, Medium

- Application:
1. Two Driveway
 2. Driveway Entrance
 3. Urban Main Roads



Type III, Medium

- Application:
1. Three Driveway
 2. Highway
 3. Parking Lot /Area



Type V, Short

- Application:
1. Parking Lot
 2. Square
 3. Area

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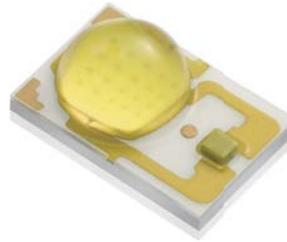
Product Benefits

PHILIPS LUMILEDS LED LUMINOUS SOURCE

The ZGSM H-Series LED Street Lights are utilizing PHILIPS LUXEON REBEL ES LED luminous source, providing excellent luminous efficiency, long-lasting stability and splendid sight.

Each LUXEON REBEL ES owns eletrostatic protection component, maximally avoid the damage of electrostatic.

More information about the LUXEON Rebel ES and solid-state lighting technologies can be found at www.philipslumileds.com.



*Superior efficacy
Leading lumen output
Ultimate design flexibility*

LUXEON
NEVER BEFORE POSSIBLE



MW MEAN WELL LED DRIVER

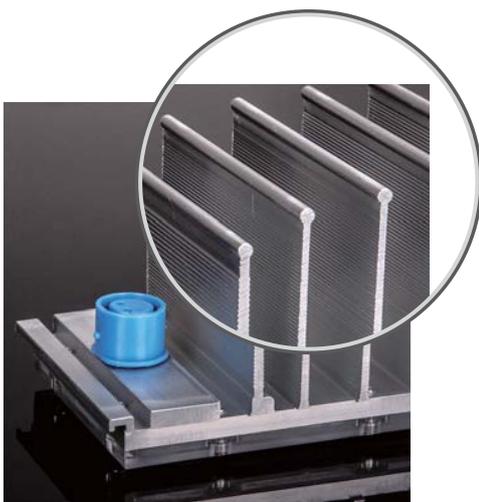
Full Range of ZGSM H-Series LED Street Lights are Utilizing MEANWELL HLG Series high-end driver, optimal operation stability, lifespan and performance.

More information about the MEANWELL HLG and LED driver technologies, please visit www.meanwell.com



ZGSM 3RD GENERATION LED MODULE

Exquisite design with powerful thermal output, with more reliable waterproof performance.



Cylindrical edge design, avoid risk of cuts



Black & Silvery



Overall stainless steel hexagon screws adopted

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Product Benefits

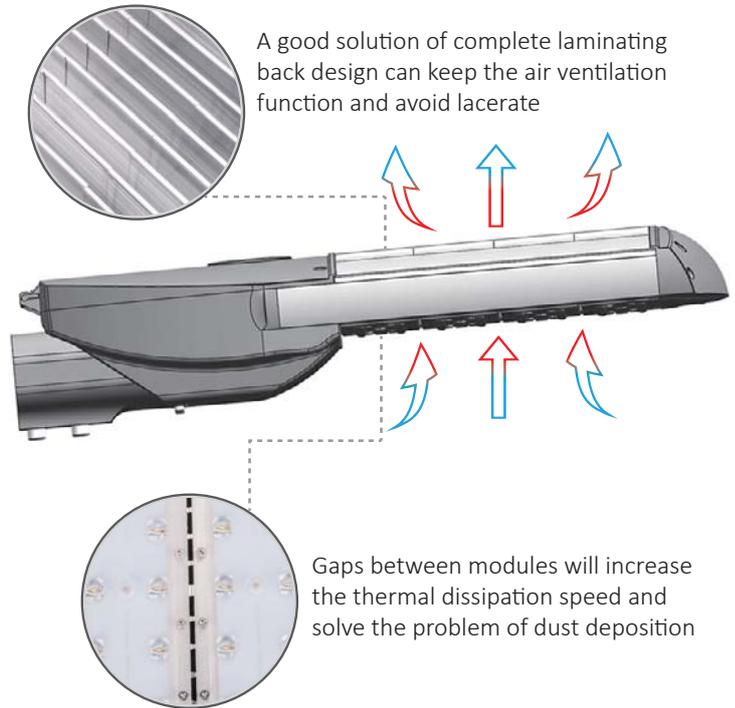
XTREME LUMINAIRE DESIGN

Equipped with exceptional ZGSM 3rd generation LED module, the H-Series LED Street Lights give best luminous output, stability and extra long life. H-Series LED Street Lights are intended to build the most cost-performance ever.

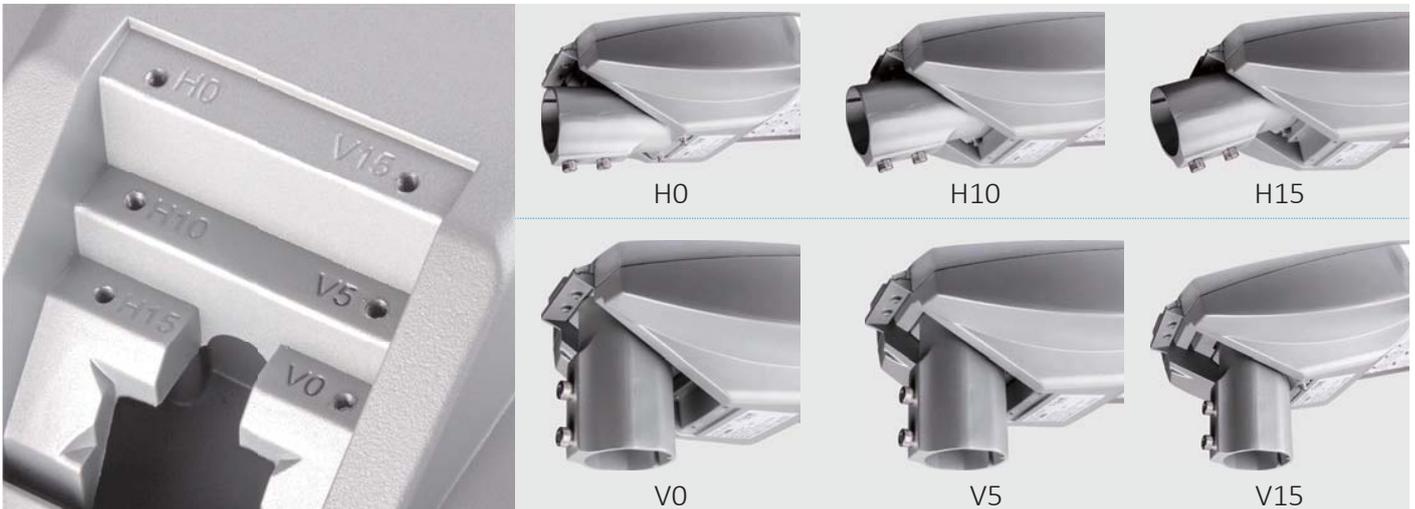
ZGSM completed the R&D independently, and reserve all related patents for H-Series LED Street Lights.

Easy assemble/disassemble, neat wiring & connection, up to 95 LPW luminous efficiency, IP66 and IK08 Rated, 90%+ driver efficiency, over then 100,000 hours operation life and 5 years warranty.

More information about the ZGSM H-Series LED Street Lights and LED lighting technologies at www.zgsm-china.com.



FLEXIBLE INSTALLATION



Innovative pole fitter not only with the horizontal and vertical installation features, also has 0-15° adjustable function for each installation direction.

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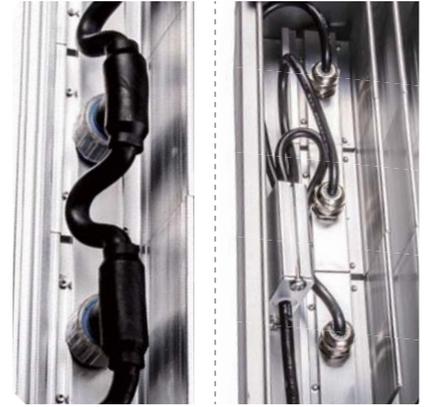
Detailed Features



Professional lens design, better performance for street lighting



Utilize two M8 x 16 fortified stainless steel screws to fix the luminaire part to electrical part in both side



New connection, neat, clean and efficiency

*For UL Standard Only



Utilize Germany **WAGO** connectors for output connections, safety, convenient and fast



Utilize M12 waterproof connector for output cable fixing, avoid damage of hard power pulling



Also use M16 waterproof connector for input cable fixing, avoid damage of hard power pulling



A more rational clamshell design for electrical box, sturdy and durable



Whole luminaire utilize the stainless steel screws, no corrosion worries



Superlative craftsmanship

ZGSM-LD35H

Introducing a New Premium Experience

70W HID Replacement



Optical control function is supported by optional
Dimming functions are supported by optional
+ Three in One (1-10V DC or PWM Signal or Resistance)
+ Timer - Contact ZGSM for Details



Photocell

Specifications

Electrical Specifications:

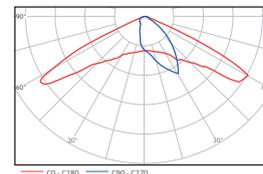
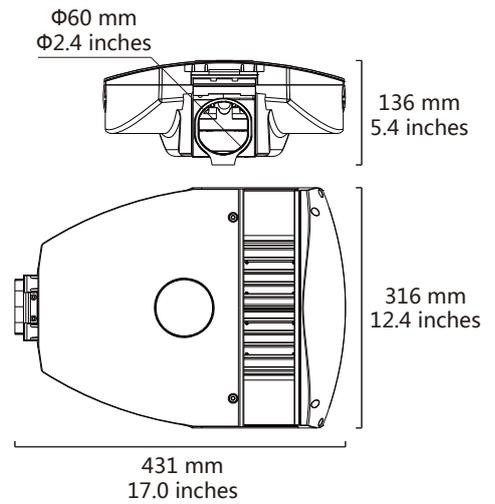
Model No.	ZGSM-LD35H
Nominal Wattage	35W
Nominal Voltage	AC 100-240V /277V, 50/60Hz DC 12V /24V
Maximum Current	AC 0.36A -120V, 0.18A -240V, 0.16A -277V DC 3.24A -12V, 1.62A -24V
Optimal Operating Temperature	-40 °C to +50 °C
Power Factor (PF)	> 0.9
Driver Efficiency	> 90%

Photometric Specifications:

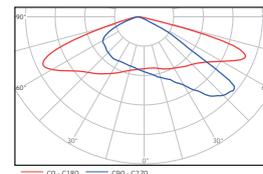
Lumen Output	3325 lm (+Lumen tolerance +/- 5%)
Photometric Type	1S, 2M, 3M, 5S
CRI	Ra >= 70 (+/- 5)
CCT	

Mechanical Specifications:

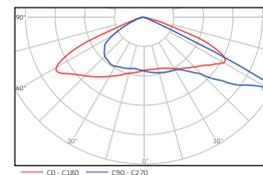
Ratings	IP66, IK08
Lumen Maintenance	> 67000 hours -L70, @25 °C (77 °F)
Heat Radiator	Anodized Aluminum
Lens	PC
Fixture Dimension	431 x316 x136 mm 17.0 x12.4 x5.4 inches
Fixture Weight	5.3 kg /11.7 lbs



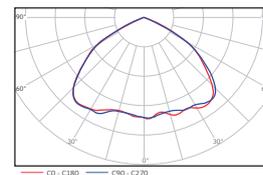
Type I, Short
Order Ref.
ZGSM-LD35H1S



Type II, Medium
Order Ref.
ZGSM-LD35H2M



Type III, Medium
Order Ref.
ZGSM-LD35H3M



Type V, Short
Order Ref.
ZGSM-LD35H5S

Packing Type

1 unit(s) /ctn.

Packing Dimension

480 x370 x200 mm
18.9 x14.6 x7.9 inches

Packing Weight

6.3 kg /13.9 lbs

ZGSM-LD65H

Introducing a New Premium Experience

100W HID Replacement



Optical control function is supported by optional
Dimming functions are supported by optional
† Three in One (1-10V DC or PWM Signal or Resistance)
† Timer - Contact ZGSM for Details



Specifications

Electrical Specifications:

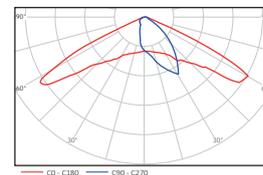
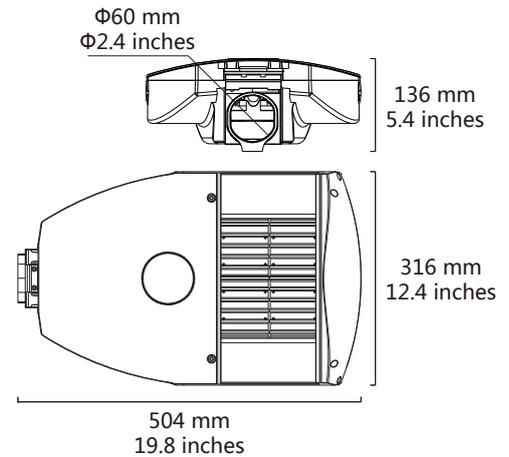
Model No.	ZGSM-LD65H
Nominal Wattage	65W
Nominal Voltage	AC 100-240V /277V, 50/60Hz DC 24V
Maximum Current	AC 0.67A -120V, 0.33A -240V, 0.29A -277V DC 3.01A -24V
Optimal Operating Temperature	-40 °C to +50 °C
Power Factor (PF)	> 0.9
Driver Efficiency	> 90%

Photometric Specifications:

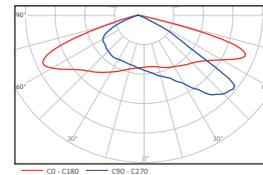
Lumen Output	6175 lm (†Lumen tolerance +/- 5%)
Photometric Type	1S, 2M, 3M, 5S
CRI	Ra >= 70 (+/- 5)
CCT	

Mechanical Specifications:

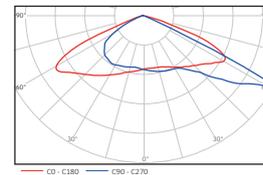
Ratings	IP66, IK08
Lumen Maintenance	> 67000 hours -L70, @25 °C (77 °F)
Heat Radiator	Anodized Aluminum
Lens	PC
Fixture Dimension	504 x316 x136 mm 19.8 x12.4 x5.4 inches
Fixture Weight	6.1 kg /13.4 lbs



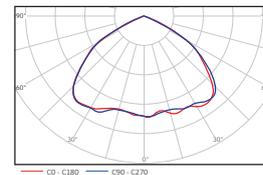
Type I, Short
Order Ref.
ZGSM-LD65H1S



Type II, Medium
Order Ref.
ZGSM-LD65H2M



Type III, Medium
Order Ref.
ZGSM-LD65H3M



Type V, Short
Order Ref.
ZGSM-LD65H5S

Packing Type
1 unit(s) /ctn.

Packing Dimension
555 x370 x200 mm
21.9 x14.6 x7.9 inches

Packing Weight
7.3 kg /16.1 lbs

ZGSM-LD100H

Introducing a New Premium Experience

150W HID Replacement



Optical control function is supported by optional
Dimming functions are supported by optional
† Three in One (1-10V DC or PWM Signal or Resistance)
† Timer - Contact ZGSM for Details



Specifications

Electrical Specifications:

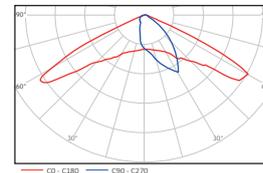
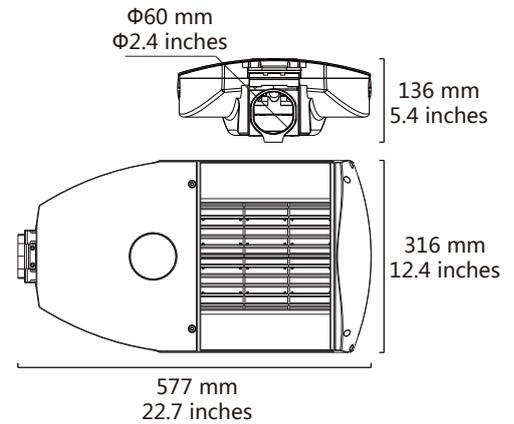
Model No.	ZGSM-LD100H
Nominal Wattage	100W
Nominal Voltage	AC 100-240V /277V, 50/60Hz DC 24V
Maximum Current	AC 1.03A -120V, 0.51A -240V, 0.45A -277V DC 4.63 -24V
Optimal Operating Temperature	-40 °C to +50 °C
Power Factor (PF)	> 0.9
Driver Efficiency	> 90%

Photometric Specifications:

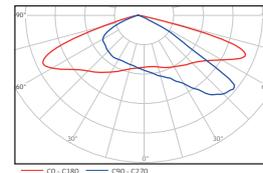
Lumen Output	9500 lm (†Lumen tolerance +/- 5%)
Photometric Type	1S, 2M, 3M, 5S
CRI	Ra >= 70 (+/- 5)
CCT	

Mechanical Specifications:

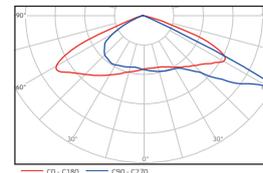
Ratings	IP66, IK08
Lumen Maintenance	> 67000 hours -L70, @25 °C (77 °F)
Heat Radiator	Anodized Aluminum
Lens	PC
Fixture Dimension	577 x316 x136 mm 22.7 x12.4 x5.4 inches
Fixture Weight	7.3 kg /16.1 lbs



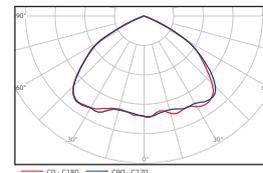
Type I, Short
Order Ref.
ZGSM-LD100H1S



Type II, Medium
Order Ref.
ZGSM-LD100H2M



Type III, Medium
Order Ref.
ZGSM-LD100H3M



Type V, Short
Order Ref.
ZGSM-LD100H5S

Packing Type
1 unit(s) /ctn.

Packing Dimension
630 x370 x200 mm
24.8 x14.6 x7.9 inches

Packing Weight
8.6 kg /19.0 lbs

ZGSM-LD135H

Introducing a New Premium Experience

250W HID Replacement



Optical control function is supported by optional
Dimming functions are supported by optional
† Three in One (1-10V DC or PWM Signal or Resistance)
† Timer - Contact ZGSM for Details



Specifications

Electrical Specifications:

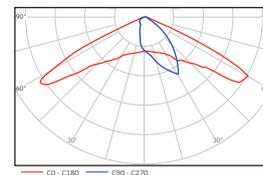
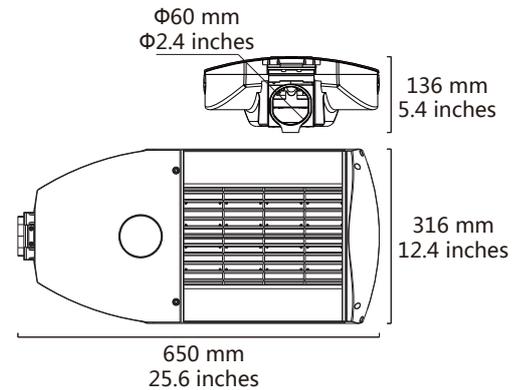
Model No.	ZGSM-LD135H
Nominal Wattage	135W
Nominal Voltage	AC 100-240V /277V, 50/60Hz DC /
Maximum Current	AC 1.39A -120V, 0.69A -240V, 0.60A -277V DC /
Optimal Operating Temperature	-40 °C to +50 °C
Power Factor (PF)	> 0.9
Driver Efficiency	> 90%

Photometric Specifications:

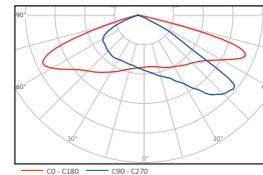
Lumen Output	12825 lm (†Lumen tolerance +/- 5%)
Photometric Type	1S, 2M, 3M, 5S
CRI	Ra >= 70 (+/- 5)
CCT	

Mechanical Specifications:

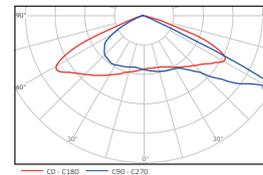
Ratings	IP66, IK08
Lumen Maintenance	> 67000 hours -L70, @25 °C (77 °F)
Heat Radiator	Anodized Aluminum
Lens	PC
Fixture Dimension	650 x316 x136 mm 25.6 x12.4 x5.4 inches
Fixture Weight	8.2 kg /18.1 lbs



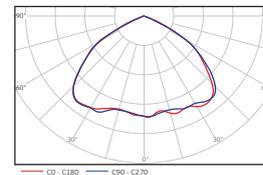
Type I, Short
Order Ref.
ZGSM-LD135H1S



Type II, Medium
Order Ref.
ZGSM-LD135H2M



Type III, Medium
Order Ref.
ZGSM-LD135H3M



Type V, Short
Order Ref.
ZGSM-LD135H5S

Packing Type
1 unit(s) /ctn.

Packing Dimension
705 x370 x200 mm
27.8 x14.6 x7.9 inches

Packing Weight
9.6 kg /21.2 lbs

ZGSM-LD165H

Introducing a New Premium Experience

Brighter
250W HID Replacement



Optical control function is supported by optional
Dimming functions are supported by optional
† Three in One (1-10V DC or PWM Signal or Resistance)
† Timer - Contact ZGSM for Details



Specifications

Electrical Specifications:

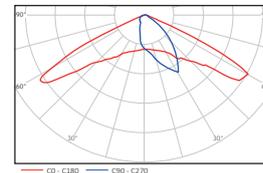
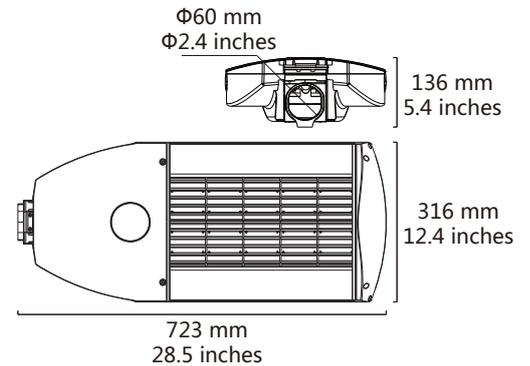
Model No.	ZGSM-LD165H
Nominal Wattage	165W
Nominal Voltage	AC 100-240V /277V, 50/60Hz DC /
Maximum Current	AC 1.70A -120V, 0.85A -240V, 0.74A -277V DC /
Optimal Operating Temperature	-40 °C to +50 °C
Power Factor (PF)	> 0.9
Driver Efficiency	> 90%

Photometric Specifications:

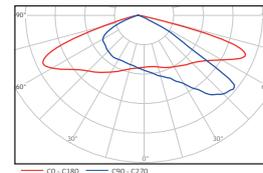
Lumen Output	15675 lm (†Lumen tolerance +/- 5%)
Photometric Type	1S, 2M, 3M, 5S
CRI	Ra >= 70 (+/- 5)
CCT	

Mechanical Specifications:

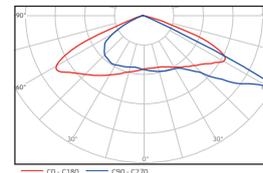
Ratings	IP66, IK08
Lumen Maintenance	> 67000 hours -L70, @25 °C (77 °F)
Heat Radiator	Anodized Aluminum
Lens	PC
Fixture Dimension	723 x316 x136 mm 28.5 x12.4 x5.4 inches
Fixture Weight	9.0 kg /19.8 lbs



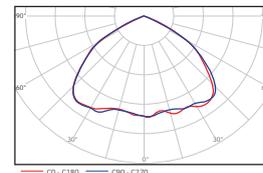
Type I, Short
Order Ref.
ZGSM-LD165H1S



Type II, Medium
Order Ref.
ZGSM-LD165H2M



Type III, Medium
Order Ref.
ZGSM-LD165H3M



Type V, Short
Order Ref.
ZGSM-LD165H5S

Packing Type

1 unit(s) /ctn.

Packing Dimension

780 x370 x200 mm
30.7 x14.6 x7.9 inches

Packing Weight

10.6 kg /23.4 lbs

ZGSM-LD200H

Introducing a New Premium Experience

400W HID Replacement



Optical control function is supported by optional
Dimming functions are supported by optional
† Three in One (1-10V DC or PWM Signal or Resistance)
† Timer - Contact ZGSM for Details



Specifications

Electrical Specifications:

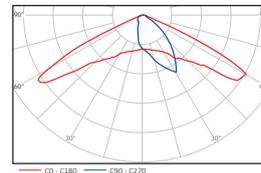
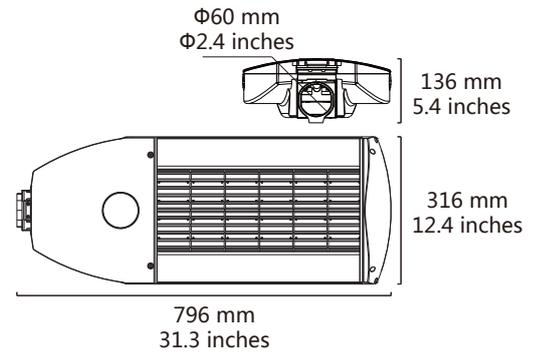
Model No.	ZGSM-LD200H
Nominal Wattage	200W
Nominal Voltage	AC 100-240V /277V, 50/60Hz DC /
Maximum Current	AC 2.06A -120V, 1.03A -240V, 0.89A -277V DC /
Optimal Operating Temperature	-40 °C to +50 °C
Power Factor (PF)	> 0.9
Driver Efficiency	> 90%

Photometric Specifications:

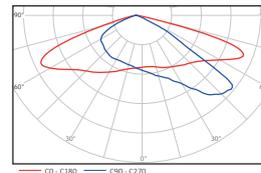
Lumen Output	19000 lm (†Lumen tolerance +/- 5%)
Photometric Type	1S, 2M, 3M, 5S
CRI	Ra >= 70 (+/- 5)
CCT	

Mechanical Specifications:

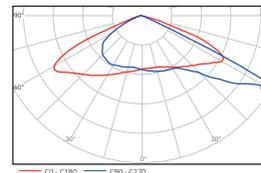
Ratings	IP66, IK08
Lumen Maintenance	> 67000 hours -L70, @25 °C (77 °F)
Heat Radiator	Anodized Aluminum
Lens	PC
Fixture Dimension	796 x316 x136 mm 31.3 x12.4 x5.4 inches
Fixture Weight	9.9 kg /21.8 lbs



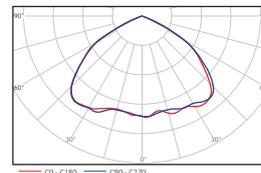
Type I, Short
Order Ref.
ZGSM-LD200H1S



Type II, Medium
Order Ref.
ZGSM-LD200H2M



Type III, Medium
Order Ref.
ZGSM-LD200H3M



Type V, Short
Order Ref.
ZGSM-LD200H5S

Packing Type

1 unit(s) /ctn.

Packing Dimension

855 x370 x200 mm
33.7 x14.6 x7.9 inches

Packing Weight

11.6 kg /25.6 lbs

ZGSM-LD230H

Introducing a New Premium Experience

Brighter
400W HID Replacement



Optical control function is supported by optional
Dimming functions are supported by optional
† Three in One (1-10V DC or PWM Signal or Resistance)
† Timer - Contact ZGSM for Details



Specifications

Electrical Specifications:

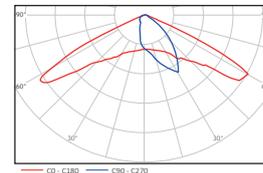
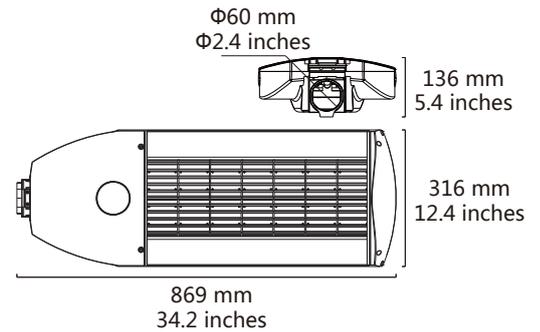
Model No.	ZGSM-LD230H
Nominal Wattage	230W
Nominal Voltage	AC 100-240V /277V, 50/60Hz DC /
Maximum Current	AC 2.37A -120V, 1.18A -240V, 1.03A -277V DC /
Optimal Operating Temperature	-40 °C to +50 °C
Power Factor (PF)	> 0.9
Driver Efficiency	> 90%

Photometric Specifications:

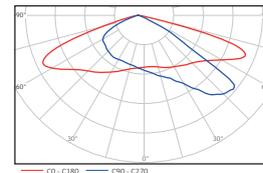
Lumen Output	21850 lm (†Lumen tolerance +/- 5%)
Photometric Type	1S, 2M, 3M, 5S
CRI	Ra >= 70 (+/- 5)
CCT	

Mechanical Specifications:

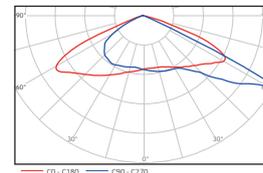
Ratings	IP66, IK08
Lumen Maintenance	> 67000 hours -L70, @25 °C (77 °F)
Heat Radiator	Anodized Aluminum
Lens	PC
Fixture Dimension	869 x316 x136 mm 34.2 x12.4 x5.4 inches
Fixture Weight	10.8 kg /23.8 lbs



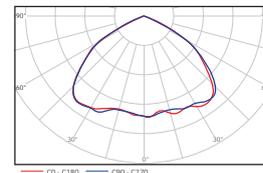
Type I, Short
Order Ref.
ZGSM-LD230H1S



Type II, Medium
Order Ref.
ZGSM-LD230H2M



Type III, Medium
Order Ref.
ZGSM-LD230H3M



Type V, Short
Order Ref.
ZGSM-LD230H5S

Packing Type

1 unit(s) /ctn.

Packing Dimension

930 x370 x200 mm
36.6 x14.6 x7.9 inches

Packing Weight

12.6 kg /27.8 lbs

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Simple Installation Instruction

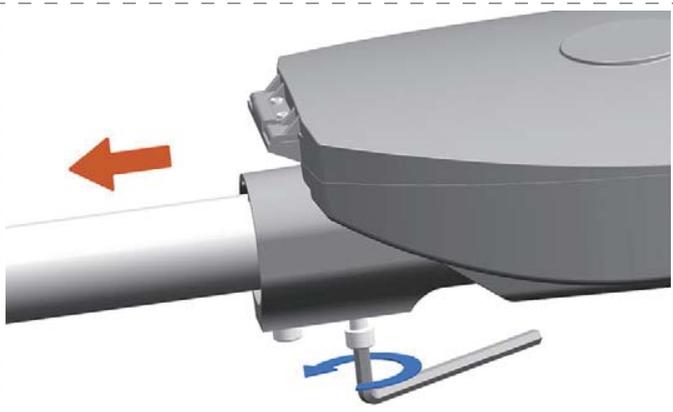
 **Caution: Always switch off the power supply before commencing work!**



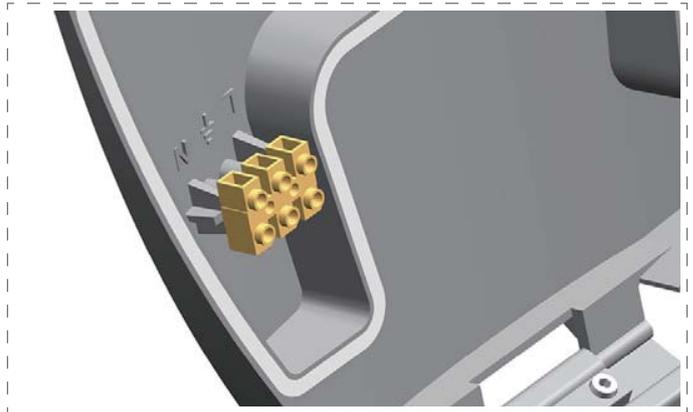
Open the electrical box by remove two M5 hexagon screws.



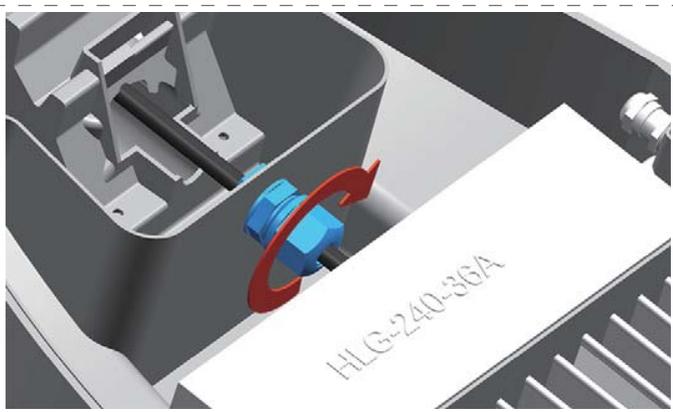
Thread the cable by M16 waterproof connector, do not tighten the connector.



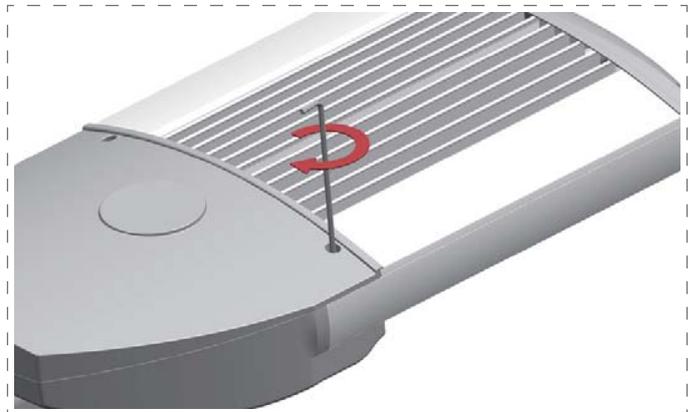
Mount the street light and adjust to proper position, fix the two M10 screws.



Connect the wires to terminal block accordance with L, N and GND  on the cover of electrical box.



Tighten the waterproof connector after connection finished to avoid damage of pull.



Close the cover, tighten the M5 hexagon screws both sides.

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Others

PACKING



INSTRUCTIONS

1. Please read the installation instruction very carefully before use and connection to ensure safety.
2. Please do not operate the device over marked voltage and frequency range.
3. Always switch off the power supply before commencing work!
4. Do not impact and fall the product.

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) YEAR from the date of purchase. ZGSM provides free repair or replacement within warranty period. ZGSM shall charge against defeats by abnormal storage, useage, connection or change the structure or any components of the product.

*Damage by thunderstroke over 4KV(L,N against FG) /2KV(L against 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.