

# CP-K-Series



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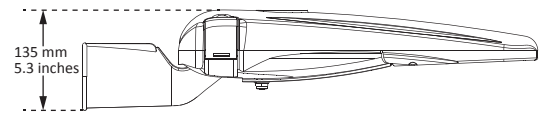
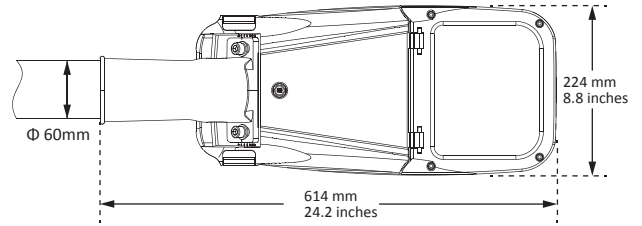
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# LED Luminaire



## CP-K-Sml- Series

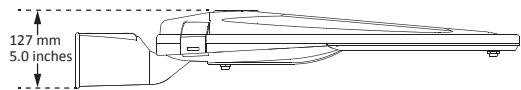
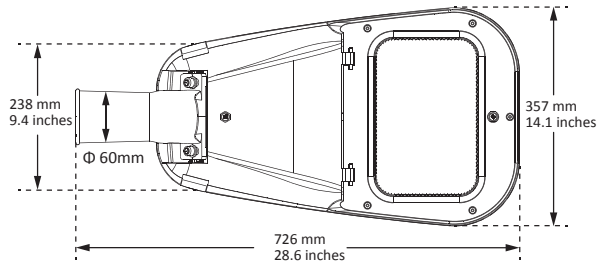


Product	ZGSM-LD25KS	ZGSM-LD35KS	ZGSM-LD55KS
Norminal Wattage	25W	35W	55W
LED Qty & Current	48 units & 83 mA	72 units & 78 mA	96 units & 88 mA
Input Voltage	100-240V / 277V AC 50 / 60Hz		
Dimming	/	0-10V	
LED Brand	Philips Lumileds 3030		
Driver Brand	Inventronics Driver	Non-dimmable: MeanWell HLG Driver   Dimmable: Inventronics Driver	
Max. Current @ 120V	0.26A	0.36A	1.57A
Max. Current @ 208V	0.15A	0.21A	0.33A
Max. Current @ 240V	0.13A	0.18A	0.28A
Max. Current @ 277V	0.11A	0.16A	0.25A
Operating Temperature	-40 °C to +50 °C		
Power Factor (PF)	> 0.95		
THD	< 20%		
Lumen Output (+/- 5%)	2875 lm	4025 lm	6325 lm
Luminaire efficacy (+/- 5%)	115 lm /w	115 lm /w	115 lm /w
Optic	1M, 2M, 3M		
CRI	> 70		
CCT	4000K (Nature White), 5000K (Pure White), 5700K (Cool White)		
Rating	IP66, IK08		
Material	Die-cast aluminum; Tempered Glass		
Installation	Horizontal and vertical installation are both available; Adjustable tilt angle: 0-5-10-15°		
Accessories (Optional)	Motion Sensor, Photocell		
Shell Color	Light Grey or Deep Grey		
Lumen Maintenance	> 75,000 hours-L <sub>70</sub> at 25 °C		
Certifications	CE, ROHS, LM80, ISO9001, ISO14001		
Fixture Weight	5.8 kg / 12.8 lbs	5.9 kg / 13.0 lbs	6.0 kg / 13.2 lbs
Packaging Weight	7.3 kg / 16.1 lbs	7.4 kg / 16.3 lbs	7.5 kg / 16.5 lbs
Packaging Dimension	675 X 290 X 220 mm / 36.6 X 11.4 X 8.7 inches		
Packaging Type	1 unit / ctn.		

# LED Luminaire



## CP-K-Med- Series

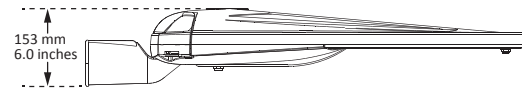
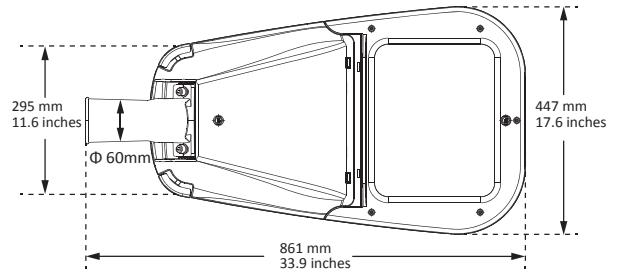


Product	ZGSM-LD60KM	ZGSM-LD90KM	ZGSM-LD120KM
Norminal Wattage	60W	90W	120W
LED Qty &Current	96 units &93 mA	144 units &93 mA	192 units &93 mA
Input Voltage	100-240V /277V AC 50 /60Hz		
Dimming	0-5V, 0-10V, PWM, Timer		
LED Brand	Philips Lumileds 3030		
Driver Brand	Non-dimmable: MeanWell HLG Driver   Dimmable: Inventronics Driver		
Max. Current @ 120V	0.62A	0.93A	1.23A
Max. Current @208V	0.36A	0.53A	0.71A
Max. Current @240V	0.31A	0.46A	0.62A
Max. Current @277V	0.27A	0.40A	0.53A
Operating Temperature	-40 °C to +50 °C		
Power Factor(PF)	> 0.95		
THD	< 20%		
Lumen Output (+/- 5%)	7500 lm	11250 lm	15000 lm
Luminaire efficacy (+/- 5%)	125 lm /w	125 lm /w	125 lm /w
Optic	1M, 2M, 3M		
CRI	> 70		
CCT	4000K (Nature White), 5000K (Pure White), 5700K (Cool White)		
Rating	IP66, IK08		
Material	Die-cast aluminum; Tempered Glass		
Installation	Horizontal and vertical installation are both available; Adjustable tilt angle: 0-5-10-15°		
Accessories (Optional)	Motion Sensor, Photocell		
Shell Color	Light Grey or Deep Grey		
Lumen Maintenance	> 75,000 hours-L <sub>70</sub> at 25 °C		
Certifications	CE, ROHS, LM80, ISO9001, ISO14001		
Fixture Weight	7.8 kg /17.2 lbs	8.1 kg /17.6 lbs	8.2 kg /18.1 lbs
Packaging Weight	9.8 kg /21.6 lbs	10.1 kg /22.3 lbs	10.2 kg /22.5 lbs
Packaging Dimension	785 X415 X205 mm /31.0 X16.3 X8.1 inches		
Packaging Type	1 unit /ctn.		

# LED Luminaire



## e:CP-K-Lrg- Series



Product	ZGSM-LD120KL	ZGSM-LD150KL	ZGSM-LD180KL	ZGSM-LD200KL
Norminal Wattage	120W	150W	180W	200W
LED Qty & Current	192 units & 93 mA	240 units & 93 mA	288 units & 93 mA	336 units & 93 mA
Input Voltage	100-240V / 277V AC 50 / 60Hz			
Dimming	0-5V, 0-10V, PWM, Timer			
LED Brand	Philips Lumileds 3030			
Driver Brand	Non-dimmable: MeanWell HLG Driver   Dimmable: Inventronics Driver			
Max. Current @ 120V	1.23A	1.54A	1.85A	2.06A
Max. Current @ 208V	0.71A	0.89A	1.07A	1.19A
Max. Current @ 240V	0.62A	0.77A	0.93A	1.03A
Max. Current @ 277V	0.53A	0.67A	0.80A	0.89A
Operating Temperature	-40 °C to +50 °C			
Power Factor (PF)	> 0.95			
THD	< 20%			
Lumen Output (+/- 5%)	15000 lm	18750 lm	22500 lm	25000 lm
Luminaire efficacy (+/- 5%)	125 lm / w	125 lm / w	125 lm / w	125 lm / w
Optic	1M, 2M, 3M			
CRI	> 70			
CCT	4000K (Nature White), 5000K (Pure White), 5700K (Cool White)			
Rating	IP66, IK08			
Material	Die-cast aluminum; Tempered Glass			
Installation	Horizontal and vertical installation are both available; Adjustable tilt angle: 0-5-10-15°			
Accessories (Optional)	Motion Sensor, Photocell			
Shell Color	Light Grey or Deep Grey			
Lumen Maintenance	> 75,000 hours-L <sub>70</sub> at 25 °C			
Certifications	CE, ROHS, LM80, ISO9001, ISO14001			
Fixture Weight	12.0 kg / 26.5 lbs	12.0 kg / 26.5 lbs	12.1 kg / 26.7 lbs	12.2 kg / 26.9 lbs
Packaging Weight	14.5 kg / 32.0 lbs	14.5 kg / 32.0 lbs	14.6 kg / 32.2 lbs	14.7 kg / 32.4 lbs
Packaging Dimension	915 X 495 X 225 mm / 36.0 X 19.5 X 8.9 inches			
Packaging Type	1 unit / ctn.			

**SERIES-K**  
LED STREET LIGHTS

PRODUCT CATALOG

**SERIES-K**  
LED STREET LIGHTS

PRODUCT CATALOG



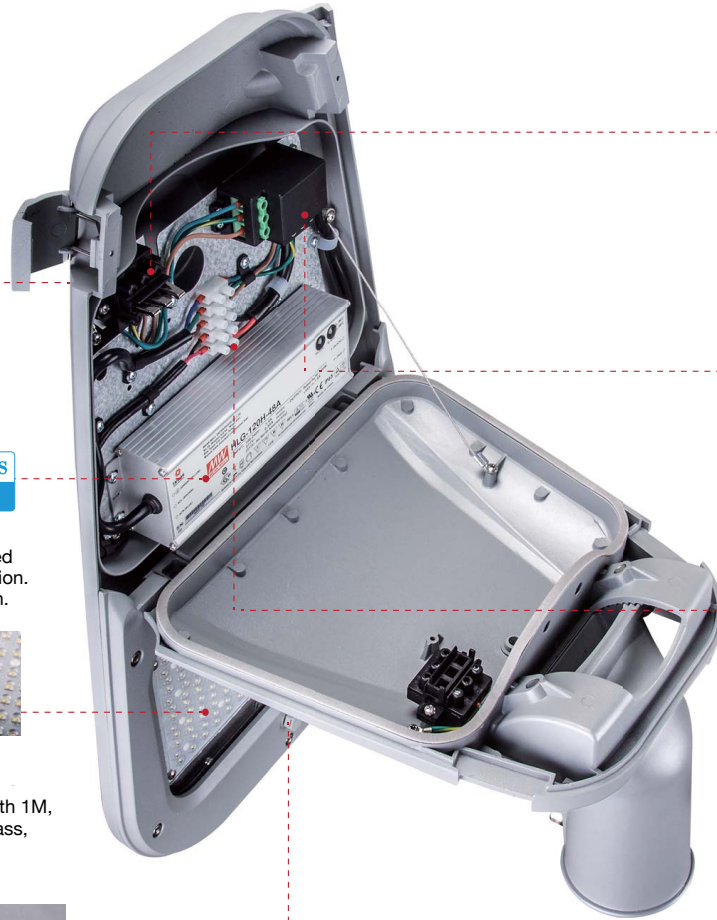
Powder Coat  
Color: grey-bronze  
Finish: fine texture



Powder Coat  
Color: light grey  
Finish: fine texture

# LED Luminaire

## CP-K-Series



**Photocell available**  
Automatic On / OFF



**Power turn off protector**  
During service: protects personnel from power flash, provides power point, provides safety.



**Lighting protection device**  
Provides reliable LED drive power. Extends product life.

### LED power supply

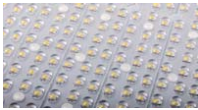


+ NON-DIMMABLE

High-end programmable LED drivers. Integrated dimming functions. 6KV /10KV surge protection. Provides increased performance and lifespan.



+ DIMMABLE



### LED lens design

Optional Light distribution Curve available with 1M, 2M,3M, using high permeability tempered glass, providing the best lumen output.



**Connect base**  
Quick disassembly / assembly. Reduces service costs.



### Imported breather

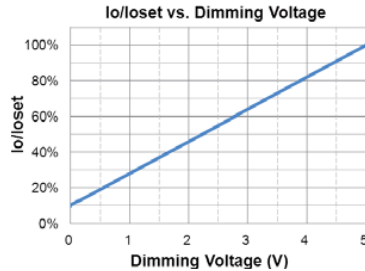
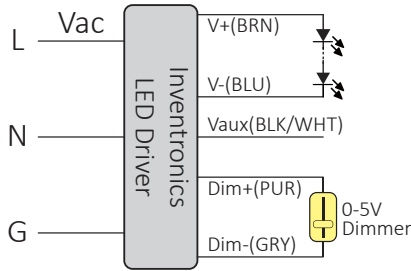
Breather valve ensures internal/external air balance in the luminaire. Improved life span.

## Dimming

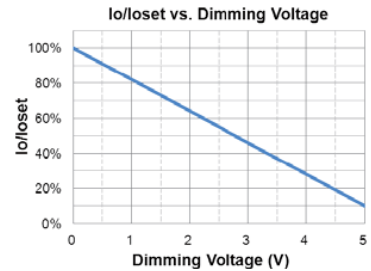
Multiple dimming functions are integrated (0-5V DC or 0-10V DC or PWM Signal or Timer).

### 0-5V Dimming

The recommended implementation of the dimming control is provided below.



Implementation 1: Positive logic



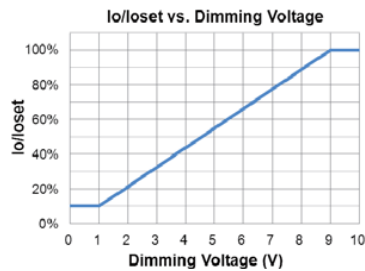
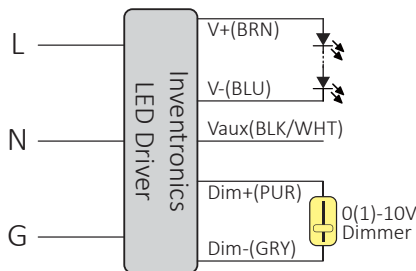
Implementation 2: Negative logic

#### Notes:

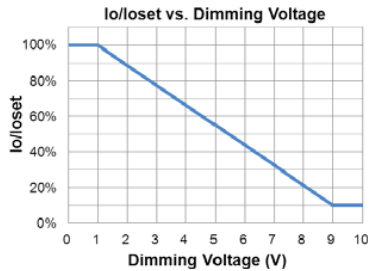
1. The dimmer can also be replaced by an active 0-5V voltage source signal or passive components like resistors and zener.
2. Do NOT connect Dim- to the output V- or V+, otherwise the driver will not work properly.
3. If 0-5V dimming is not used, Dim + should be open.
4. When 0-5V negative logic dimming mode and Dim+ is open, the driver will output maximum current.

### 0-10V Dimming

The recommended implementation of the dimming control is provided below.



Implementation 3: Positive logic



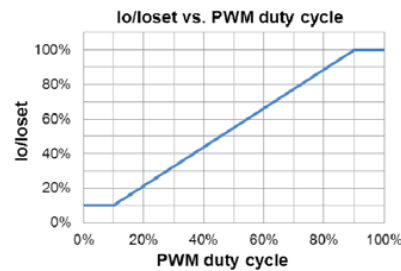
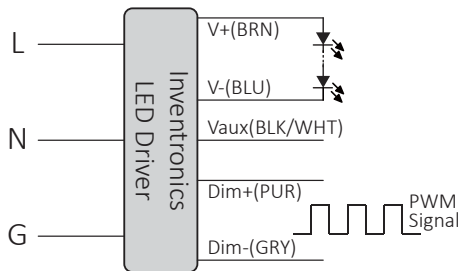
Implementation 4: Negative logic

#### Notes:

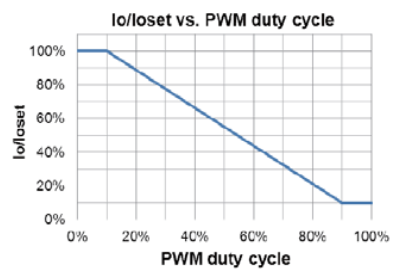
1. The dimmer can also be replaced by an active 0-10V voltage source signal or passive components like resistors and zener.
2. Do NOT connect Dim- to the output V- or V+, otherwise the driver will not work properly.
3. If 0-10V dimming is not used, Dim + should be open.
4. When 0-10V negative logic dimming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

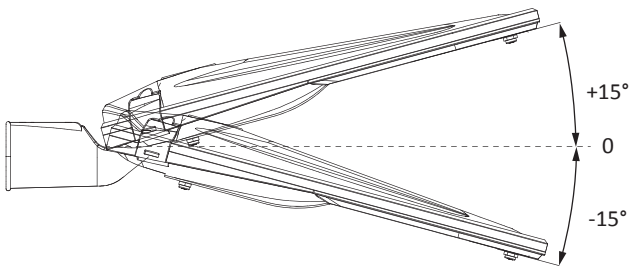


Implementation 6: Negative logic

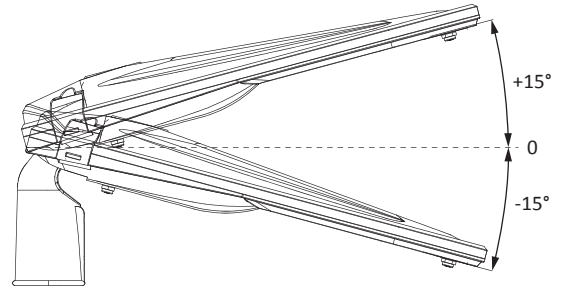
#### Notes:

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.

## FLEXIBLE INSTALLATION



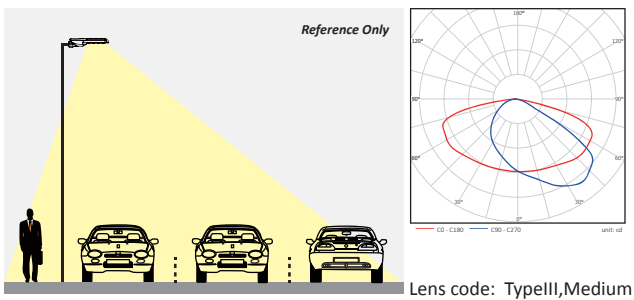
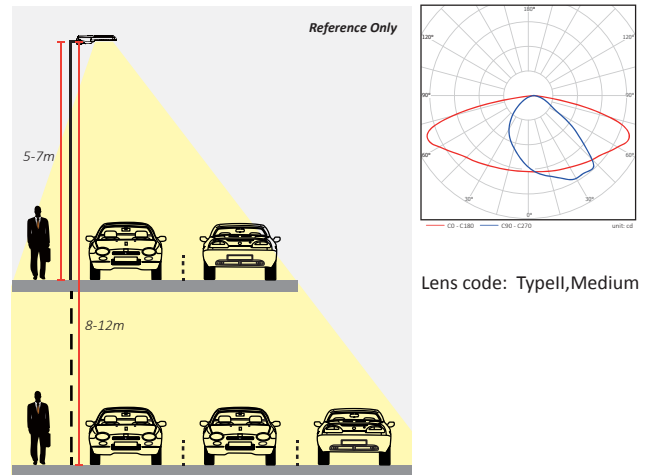
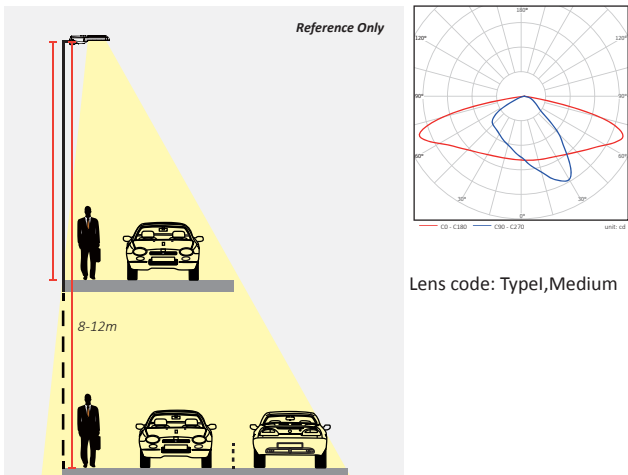
Horizontal installation: Adjustable tilt angle: 0-5-10-15°



Vertical installation: Adjustable tilt angle: 0-5-10-15°

## OPTIC

Application (Driverway width=3.5M):  
 Urban Main Roads | Highway | Parking Lot | Area





# SERIES-K

## LED STREET LIGHTS

† Time Dimming

The screenshot displays the 'Dimmer Programmer' software interface. On the left, there are six sections for adjusting light levels (1 through 6). Each section includes a slider for dimming percentage and a graph for timing curves. The parameters for each level are as follows:

Adjusting light level	Dimming	Holding Time	Fading Time
1	100%	7H0M	0H45M
2	50%	3H15M	0H32M
3	90%	0H0M	0H0M
4	90%	0H0M	0H0M
5	90%	0H0M	0H0M
6	90%	0H0M	0H0M

On the right, the 'INVENTRONICS' software window shows two graphs. The top graph plots Voltage (V) on the y-axis (0 to 230) against Current (A) on the x-axis (0 to 1.2). It features a blue curve representing the dimming profile and a red rectangular box indicating a specific operating range. The bottom graph plots percentage on the y-axis (0% to 100%) against time on the x-axis (0R to 18R), showing a red square wave pulse.

Notes:

1. Time Dimming is required to program by computer (Microsoft Windows).
2. Set the timing curve by pulling the sliders.