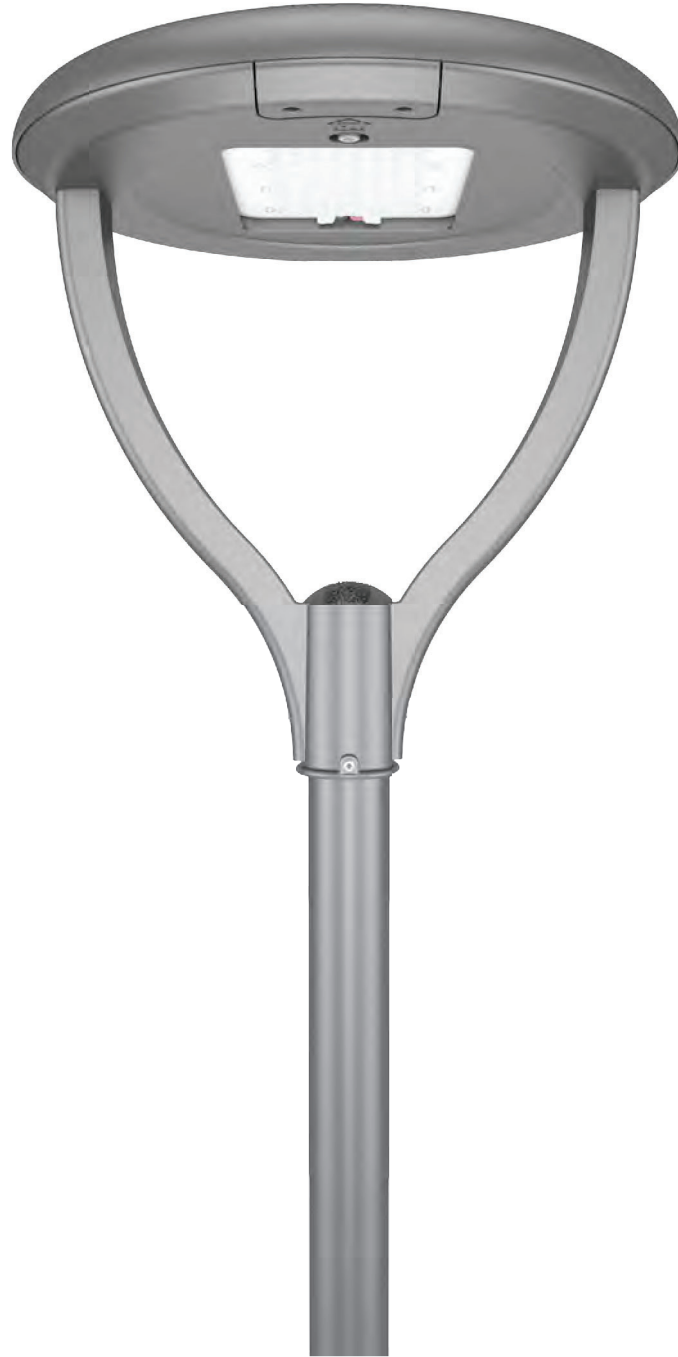


# ROTONDA

LED Street Light

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**BRIGHT**<sup>®</sup>  
SPECIAL LIGHTING



ISO9001  
ISO14001



CE CB

RoHS  
Compliant



IP66  
IK08

LM-80

### LED power supply



#### + NON-DIMMABLE

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

POWERED BY

**INVENTRONICS**

#### + DIMMABLE

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

### High-efficiency LED light source



**Philips Lumileds 3030 2D**  
Greater than 165lm/W high efficacy, illumination grade LED light source.

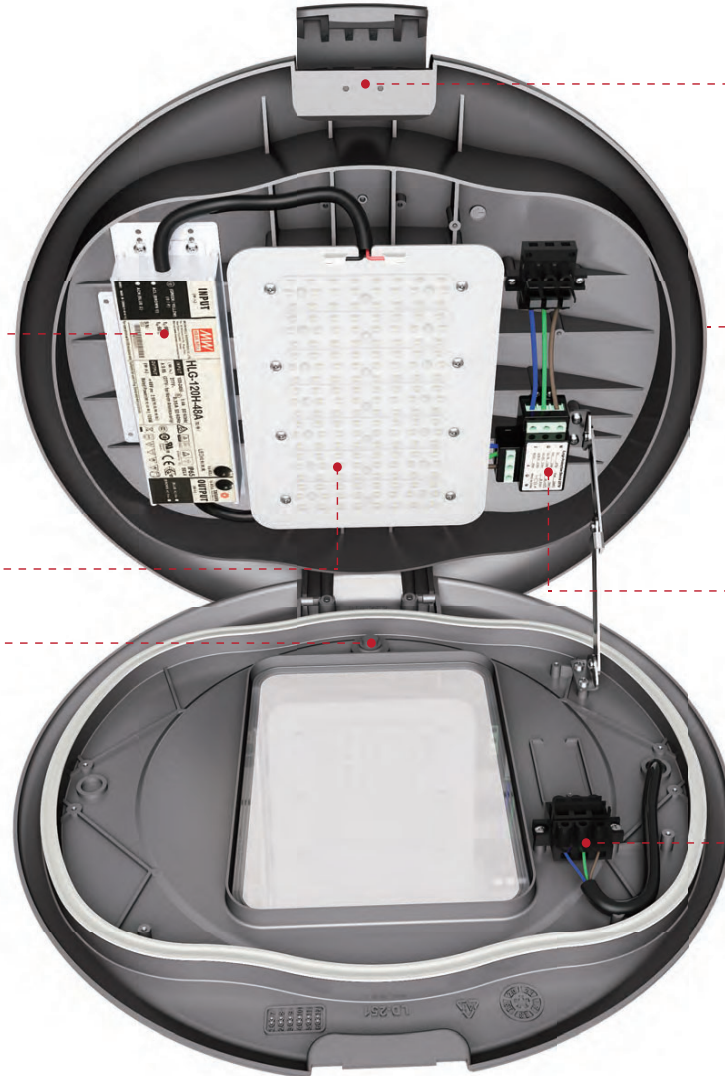


**Philips Lumileds 5050**  
Greater than 185lm/W high efficacy, illumination grade LED light source.



#### Imported breather

Lamp breather ensures air balance inside and outside of the lamp, which improves lamp's service life.



#### Easy Maintenance

Tool-less quick-release latches for speedy access.



#### Photocell available

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



#### Surge protection device(10KV)

To provide more reliable guarantee for LED driver, extend the life of the product.

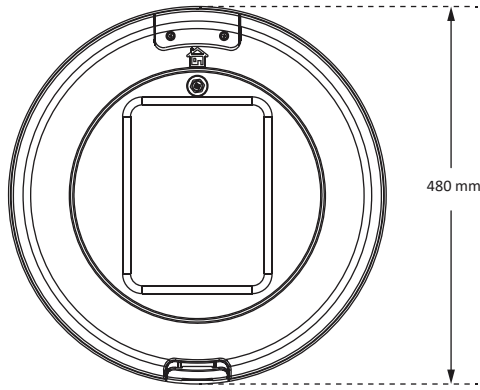


#### Power turn off protector

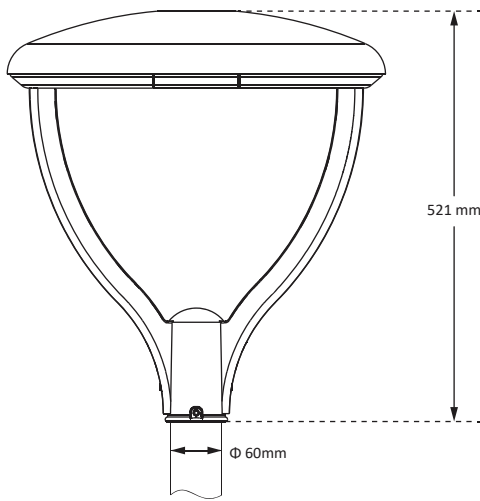
Under maintenance, when the fixtures be opened, the power will be cut off to protect personal safety.

# ROTONDA

## LED Street Light



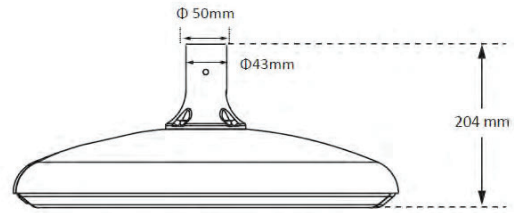
480 mm



521 mm

Φ 60mm

Post Top Mounted

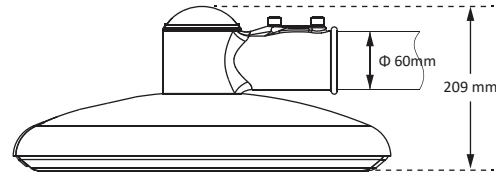


Φ 50mm

Φ 43mm

204 mm

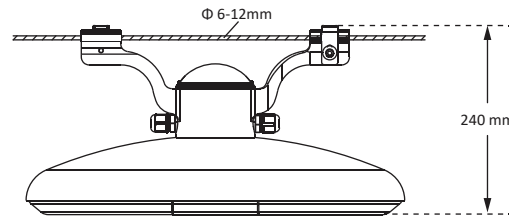
Pendant Mounted



Φ 60mm

209 mm

Side Entry Mounted



Φ 6-12mm

240 mm

Suspended Mounted

### Packing Details

#### ★ Luminaire [ Side Entry Mounted and Suspended Mounted ]

Model	Carton Size (mm)	N.W (kg)	G.W (kg)
ZGSM-LD27LM	495*495*170	7.5	8.8
ZGSM-LD37LM	495*495*170	7.5	8.8
ZGSM-LD56LM	495*495*170	7.5	8.8
ZGSM-LD70LM	495*495*170	7.7	9.0
ZGSM-LD90LM	495*495*170	7.9	9.2
ZGSM-LD120LM	495*495*170	8.0	9.3

Note: Above data of weight are all typical values.

#### ★ Accessories [ Side Entry Mounted and Suspended Mounted ]

Mounted Type	Carton Size (mm)	N.W (kg)	G.W (kg)
Side Entry Mounted	235*125*105	1.1	1.2
Suspended Mounted	355*150*105	0.9	1.0

Note: Above data of weight are all typical values.

#### ★ Luminaire and Accessories [ Post Top Mounted and Pendant Mounted ]

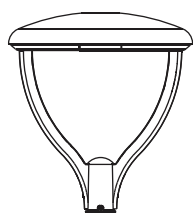
Model	Carton Size (mm)	Post Top Mounted		Pendant Mounted	
		N.W(kg)	G.W(kg)	N.W(kg)	G.W(kg)
ZGSM-LD27LM	495*495*170	8.8	10.1	7.8	9.1
ZGSM-LD37LM	495*495*170	8.8	10.1	7.8	9.1
ZGSM-LD56LM	495*495*170	8.8	10.1	7.8	9.1
ZGSM-LD70LM	495*495*170	8.9	10.2	8.9	9.2
ZGSM-LD90LM	495*495*170	9.2	10.5	9.2	10.5
ZGSM-LD120LM	495*495*170	9.2	10.5	9.2	10.5

Note: Above data of weight are all typical values.

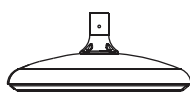
# ROTONDA LED Street Light

## Electrical & Photometric

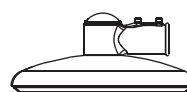
A: Post Top Mounted



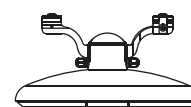
B: Pendant Mounted



C: Side Entry Mounted



D: Suspended Mounted



Order Reference  
ZGSM-LD120LM A

### ★ 3030 Version

Series	Model	LED Qty/ Current	Power	Luminaire efficacy (+/- 5%)	Lumen Output (+/- 5%)	Input Voltage	LED Brand	Driver Brand	Light Distributions	CCT (K)	Surge Protection Device	Lifetime (h)
L	ZGSM-LD27LM <span style="border: 1px solid black; padding: 0 2px;">□</span>	72units/ 56mA	27W	130 lm /w*1	3510 lm	100-240V /277V AC 50 /60Hz	Philips Lumileds 3030 2D	MeanWell Inventronics	1M, 2M, 2M BLS, 3M, 5S*2, 1M Symmetry	3000*3 4000 5000 5700	10KV	>100,000 (L70)
	ZGSM-LD37LM <span style="border: 1px solid black; padding: 0 2px;">□</span>	96units/ 59mA	37W	130 lm /w*1	4810 lm							
	ZGSM-LD56LM <span style="border: 1px solid black; padding: 0 2px;">□</span>	120units/ 70mA	56W	130 lm /w*1	7280 lm							
	ZGSM-LD70LM <span style="border: 1px solid black; padding: 0 2px;">□</span>	144units/ 78mA	70W	130 lm /w*1	9100 lm							
	ZGSM-LD90LM <span style="border: 1px solid black; padding: 0 2px;">□</span>	168units/ 86mA	90W	130 lm /w*1	11700 lm							
	ZGSM-LD120LM <span style="border: 1px solid black; padding: 0 2px;">□</span>	168units/ 110mA	120W	125 lm /w*1	15000 lm							

\*1 Luminous Efficacy of post top mounted is 10% lower than other installation methods.

\*2 Luminous Efficacy of 5S is 15% higher than other Light Distributions.

\*3 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)	Surge Protection Device	Lifetime (h)
L	ZGSM-LD27LM <span style="border: 1px solid black; padding: 0 2px;">□</span>	36units/ 28mA	27W	150 lm /w*1	4050 lm	100-240V /277V AC 50 /60Hz	Philips Lumileds 5050	MeanWell Inventronics	2M, 3M, 5S*2	3000*3 4000 5000 5700	10KV	>100,000 (L70)
	ZGSM-LD37LM <span style="border: 1px solid black; padding: 0 2px;">□</span>	48units/ 29mA	37W	150 lm /w*1	5550 lm							
	ZGSM-LD56LM <span style="border: 1px solid black; padding: 0 2px;">□</span>	60units/ 35mA	56W	150 lm /w*1	8400 lm							
	ZGSM-LD70LM <span style="border: 1px solid black; padding: 0 2px;">□</span>	72units/ 40mA	70W	150 lm /w*1	10500 lm							
	ZGSM-LD90LM <span style="border: 1px solid black; padding: 0 2px;">□</span>	84units/ 42mA	90W	150 lm /w*1	13500 lm							
	ZGSM-LD120LM <span style="border: 1px solid black; padding: 0 2px;">□</span>	84units/ 56mA	120W	145 lm /w*1	17400 lm							

\*1 Luminous Efficacy of post top mounted is 10% lower than other installation methods.

\*2 Luminous Efficacy of 5S is 15% higher than other Light Distributions.

\*3 Luminous Efficacy of 3000K is 5% lower than other CCTs.

## Mechanical

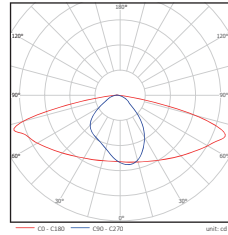
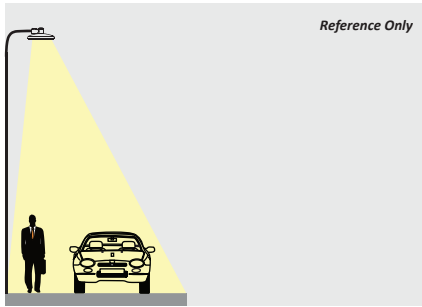
Model	Working Environment	Storage Temperature	Rating	CRI	Power Factor	Power Efficiency	Material	Pole/ Rope Diameter (mm)
ZGSM-LD27LM	-40 °C ~ +50 °C 10% ~ 90%RH	-40 °C ~ +50 °C	Class I IP66 IK08	>70	>0.95	>90%	Housing: Die-cast aluminum Lens: Tempered glass and PC	Side Entry Mounted: Φ 60mm(External diameter of the pole)
ZGSM-LD37LM								Suspended Mounted: Φ 6-12mm(External diameter of the rope)
ZGSM-LD56LM								Post Top Mounted: Φ 60mm(External diameter of the pole)
ZGSM-LD70LM								Pendant Mounted: Φ 60mm(Internal diameter of the pole)
ZGSM-LD90LM								
ZGSM-LD120LM								

Note: Above data of weight are all typical values.

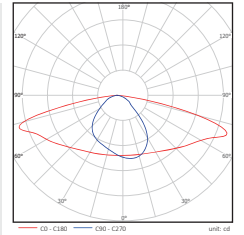
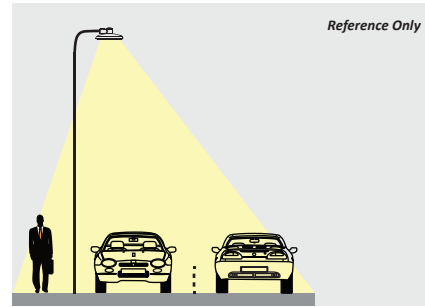
# ROTONDA LED Street Light

## Light Distributions

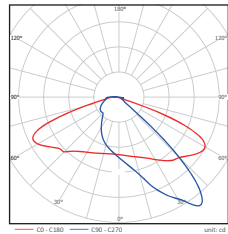
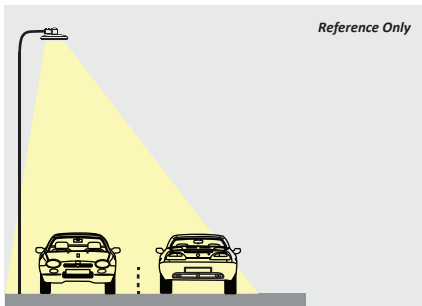
★ Pendant Mounted | Side Entry Mounted | Suspended Mounted



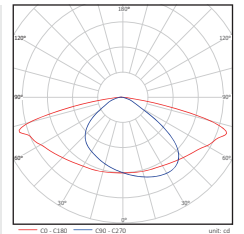
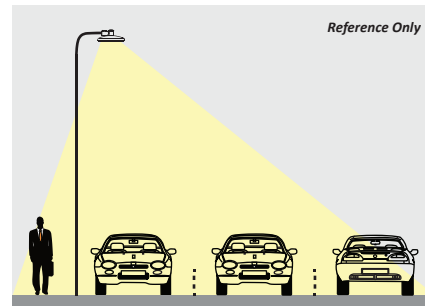
1M



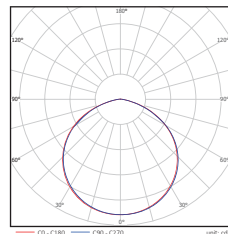
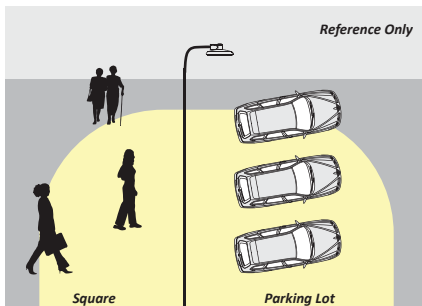
2M



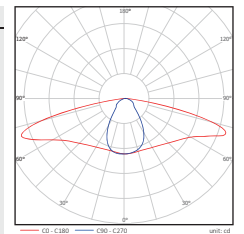
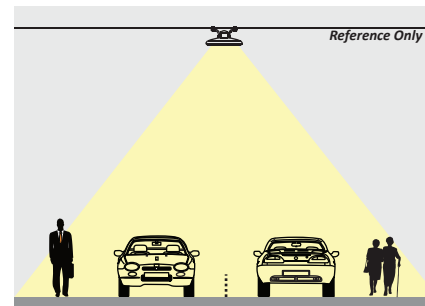
2M BLS



3M

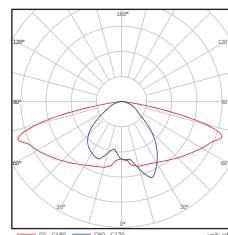
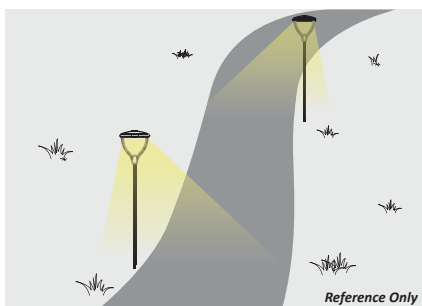


5S

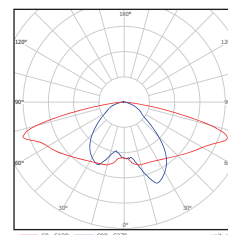


1M Symmetry

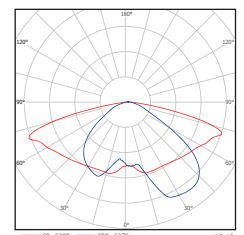
★ Post Top Mounted



1M



2M

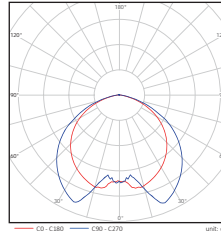
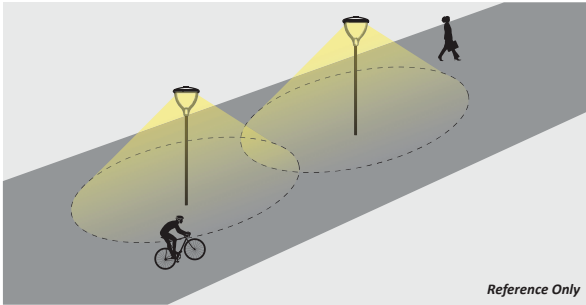


3M

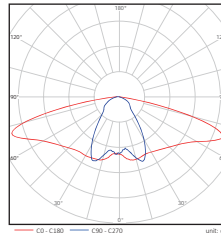
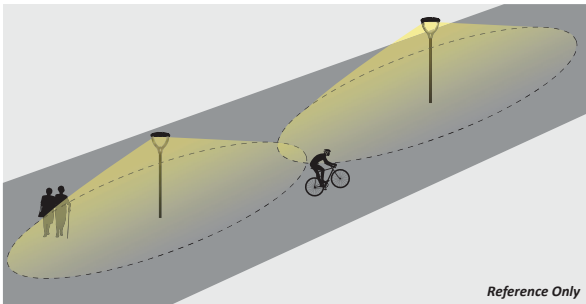
Based on same mounting height, the lengthwise illumination area: 3M > 2M > 1M.

# ROTONDA

## LED Street Light



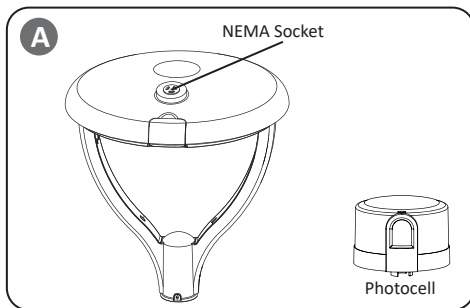
5S



1M Symmetry

### 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.

### Certification

Manufacturer
ISO9001, ISO14001
L Series [ ZGSM-LD27LM, ZGSM-LD37LM, ZGSM-LD56LM, ZGSM-LD70LM, ZGSM-LD90LM, ZGSM-LD120LM ]
CE, CB, ROHS, ENEC, LM80