

L -SERIES



ISO9001
ISO14001



CE CB

RoHS
Compliant



IP66
IK08

LM-80

7 YEAR
WARRANTY

LED URBAN LIGHT



LED power supply



+ NON-DIMMABLE

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



LED DRIVER inside

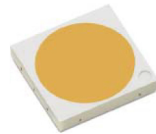
+ DIMMABLE

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.

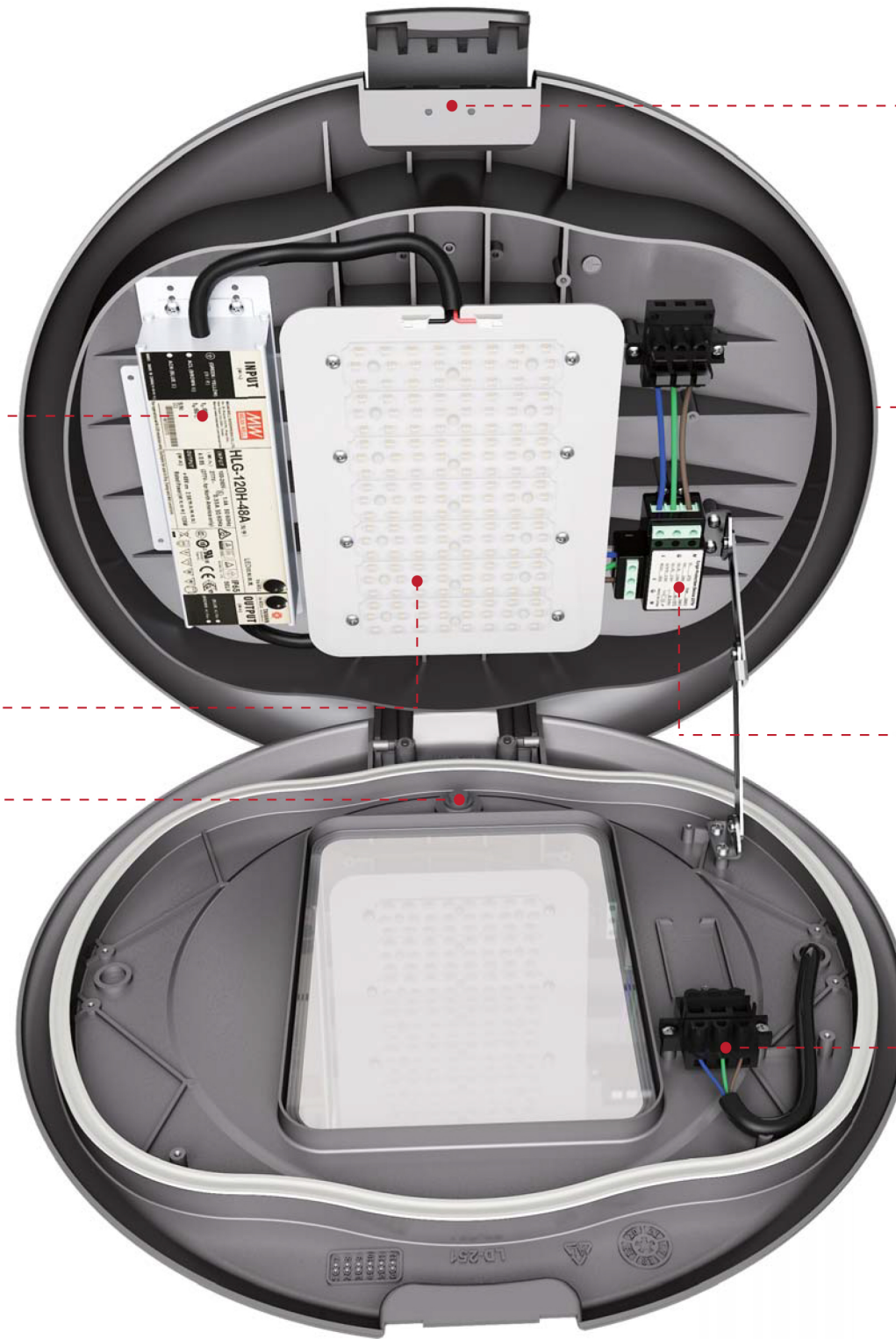


Philips Lumileds 5050
Greater than 185lm/W high efficacy, illumination grade LED light source.



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.



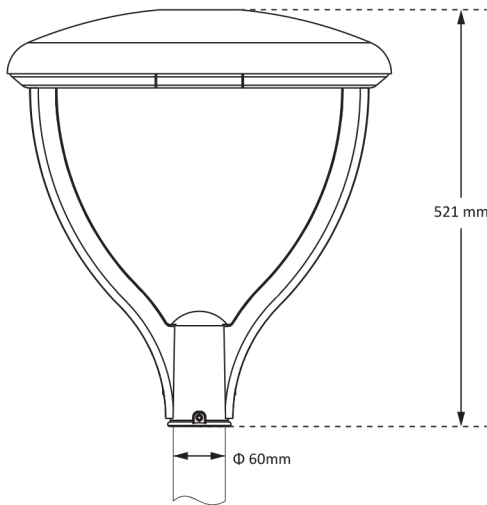
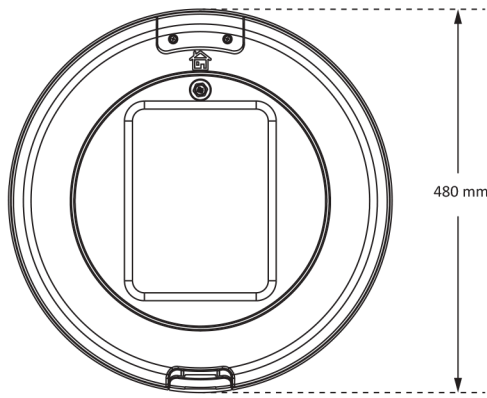
Surge protection device(10KV)

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

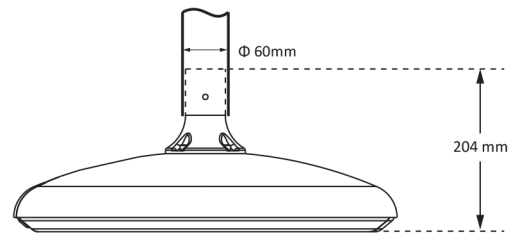


Power turn off protector (Only Post Top Mounted available)

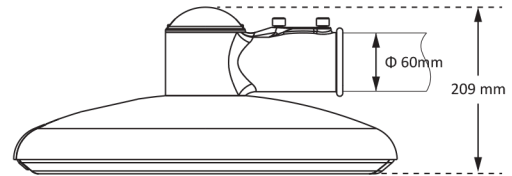
Under maintenance, when the fixtures be opened, the power will be cut off to protect personal safety.



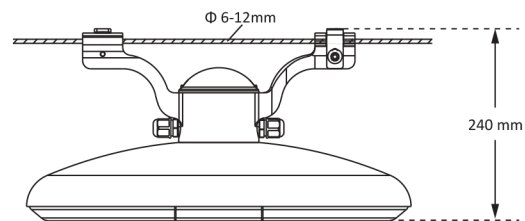
Post Top Mounted



Pendant Mounted



Side Entry Mounted



Suspended Mounted

Packing Details

★ Luminaire [Side Entry Mounted and Suspended Mounted]

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

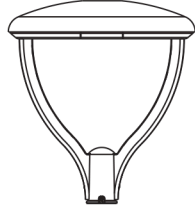
★ Luminaire and Accessories [Post Top Mounted and Pendant Mounted]

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

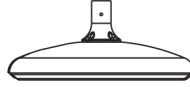
Note: Above data of weight are all typical values.

Electrical & Photometric

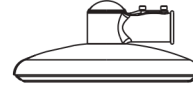
A: Post Top Mounted



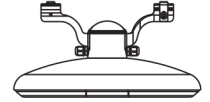
B: Pendant Mounted



C: Side Entry Mounted



D: Suspended Mounted



Order Reference
K-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	K-LD27LM □	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 TYPEII, BLS	3000*3 4000 5000 5700	10KV	>100,000 (L70)
	K-LD37LM □	96units/ 59mA	37W	130 lm /w*1	4810 lm							
	K-LD56LM □	120units/ 70mA	56W	130 lm /w*1	7280 lm							
	K-LD70LM □	144units/ 78mA	70W	130 lm /w*1	9100 lm							
	K-LD90LM □	168units/ 86mA	90W	130 lm /w*1	11700 lm							
	K-LD120LM □	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	K-LD27LM □	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)
	K-LD37LM □	48units/ 29mA	37W	150 lm /w*1	5550 lm							
	K-LD56LM □	60units/ 35mA	56W	150 lm /w*1	8400 lm							
	K-LD70LM □	72units/ 40mA	70W	150 lm /w*1	10500 lm							
	K-LD90LM □	84units/ 42mA	90W	150 lm /w*1	13500 lm							
	K-LD120LM □	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.

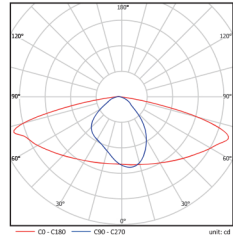
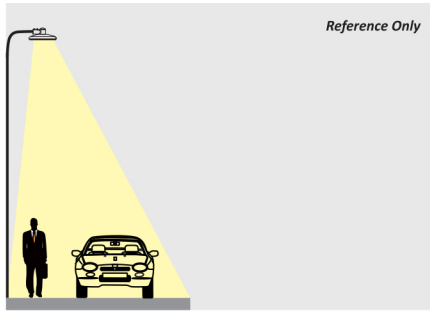
Mechanical

Model	Working Environment	Storage Temperature	Rating	CRI	Power Factor	Power Efficiency	Material	Pole/ Rope Diameter (mm)
K-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) Suspended Mounted: Φ 6-12mm(External diameter of the rope) Post Top Mounted: Φ 60mm(External diameter of the pole) Pendant Mounted: Φ 60mm(Internal diameter of the pole)
K-LD37LM								
K-LD56LM								
K-LD70LM								
K-LD90LM								
K-LD120LM								

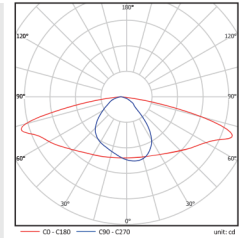
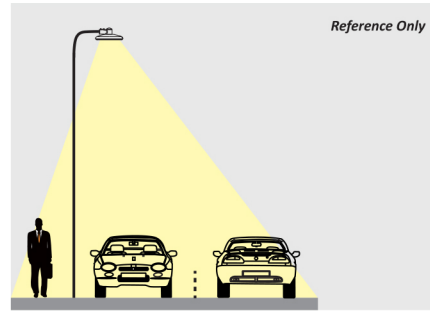
Note: Above data of weight are all typical values.

Light Distributions

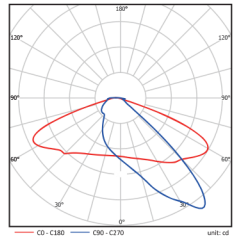
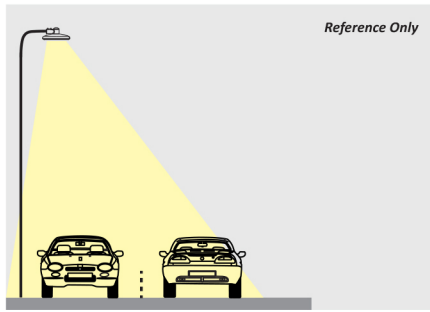
★ Pendant Mounted | Side Entry Mounted | Suspended Mounted



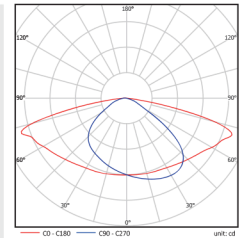
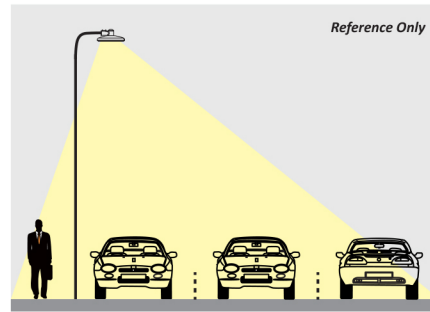
1M



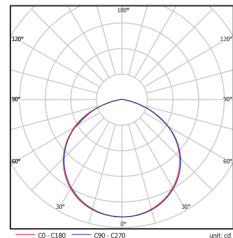
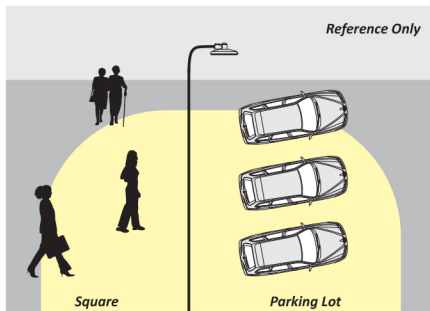
2M



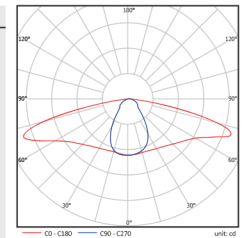
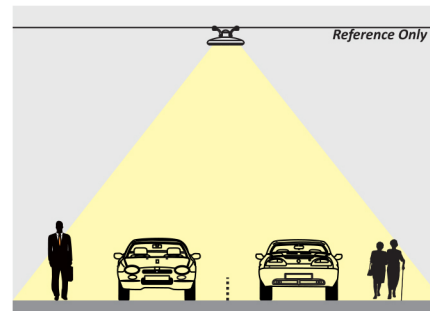
2M BLS



3M

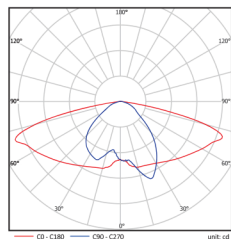
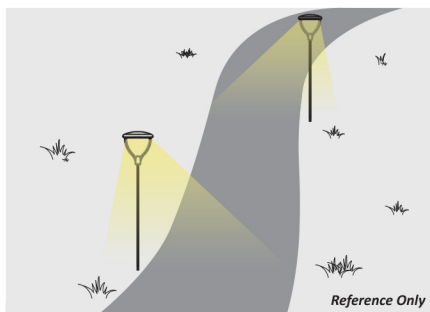


5S

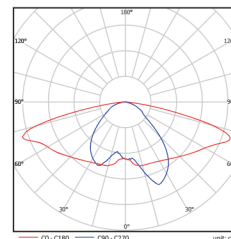


1M Symmetry

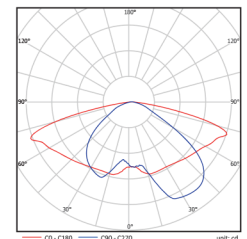
★ Post Top Mounted



1M

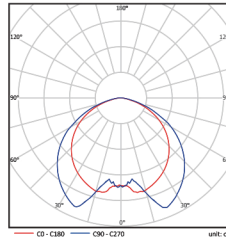
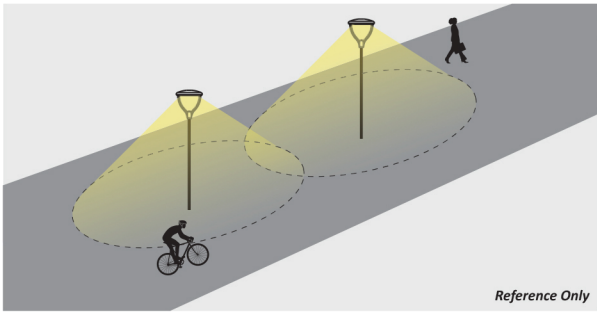


2M

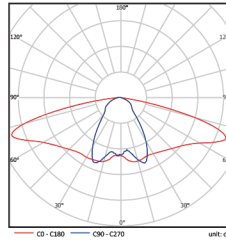
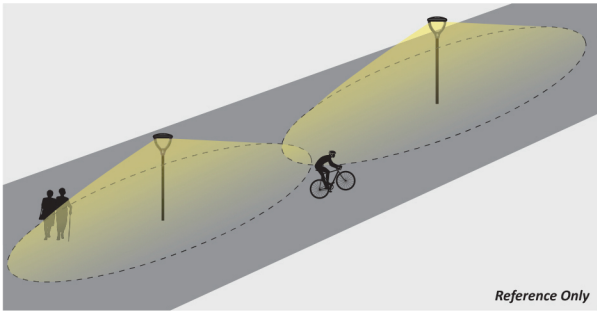


3M

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



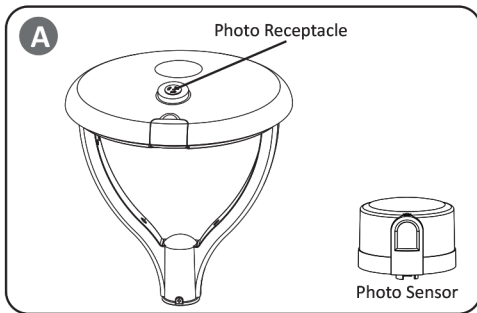
5S



1M Symmetry

Optical Control

Optical control function is supported by optional



If the fixture has PHOTO CONTROL function, the Photo Receptacle will be installed on the cover of fixture. See **A**. Fit the pins of Photo Sensor to Photo Receptacle, firmly insert and rotate Photo Sensor to proper position.

<Verifying>

Make sure all the connections done and photo control is well installed on the fixture, switch on the power supply and cover the window of photo sensor, wait for 5 seconds, the fixture will be turned on.

Dimming Optional

Inventronics driver will be used if dimming func. on is requested. Multiple dimming functions are integrated (0-5V DC or 0-10V DC or PWM Signal or Timer).

- ★ 0-5V Dimming [All the models over 56W are available]
- ★ 0(1)-10V Dimming [All the models are available except 27W]
- ★ PWM Dimming [All the models over 56W are available]
- ★ Timer Dimming [All the models over 56W are available]

Certification

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



Revision History

Change Date	Rev.	Description of Change		
		Item	From	To
2017/11/13	Rev1.0	Datasheets Release		
2017/11/23	Rev2.0	Optic		Added 1M Symmetry
2017/12/12	Rev2.0	Datasheets		Added 5050 version
2018/02/08	Rev3.0	Packing Weight		Correction
2018/07/11	Rev4.0	Optic		Added 2M BLS