



# G9 LED STREET LIGHT 20W~240W

## G9 20W~240W LED Street Light

### Features:



#### 1 Smooth backside

Smooth, dust-proof and self-cleaning.



#### 2 Compatible design

Compatible with PC lens + tempered glass, professional light distribution, fire-proof, anti-UV.



#### 3 Separate chamber for driver

Separate chamber better protects LED source and driver from water and heat.



#### 4 NEMA control interface

Support NEMA control interface and wired/wireless remote single lamp control, support photocell or single lamp controller.



#### 5 Latest LED technology

The latest high-brightness outdoor SMD LED chip, combined with integrated lens and lower current drive, 10% increased in overall lighting efficiency and lower light decay.



#### 6 Expert lens for light distribution

Professional secondary optics design, maximum equalization of individual parameters, while extremely reducing color reproduction, and supporting rapid light distribution expansion.



#### 7 Dual installation direction

Supporting horizontal/vertical installation/adjustable angle.



#### 8 Die-casting aluminum housing

Die-casting aluminum housing with over-all protection, 4 times of gravity test, adapt to harsh environments and stormy weather.



#### 9 IP66 protection

Adopt overall structure waterproof design  $\geq$  IP66.

# SPECIFICATION

Power Consumption	20W	30W	40W	50W	60W	75W
Instant Output Lumen	2800 lm	4200 lm	5600 lm	7000 lm	8400 lm	10500 lm
LED Quantity	40 pcs	64 pcs	80 pcs	96 pcs	96 pcs	112 pcs
Power Consumption	100W	120W	150W	180W	200W	240W
Instant Output Lumen	14000 lm	16800 lm	21000 lm	25200 lm	28000 lm	33600 lm
LED Quantity	114 pcs	192 pcs	192 pcs	224 pcs	288 pcs	336 pcs
types Typical System	140 lm/w (After PC lens)					
LED Chip	Lumileds 3030					

Power Consumption	20W	30W	40W	50W	60W	75W
Instant Output Lumen	3000 lm	4500 lm	5800 lm	7000 lm	9300 lm	11250lm
LEDQuantity	96 pcs	96 pcs	96 pcs	96 pcs	160 pcs	160 pcs
Typical System Efficiency	150 lm/w		145 lm/w	140 lm/w	155 lm/w	150 lm/w
	After PC lens					
Power Consumption	100W	120W	150W	180W	200W	240W
Instant Output Lumen	14500 lm	18600 lm	22500 lm	26100 lm	31000 lm	36000 lm
LED Quantity	160 pcs	320 pcs	320 pcs	320 pcs	480 pcs	480 pcs
Typical System Efficiency	145 lm/w	155 lm/w	150 lm/w	145 lm/w	155 lm/w	150 lm/w
	After PC lens					
LED Chip	Lumileds 3030					

Power Consumption	20W	30W	40W	50W	60W	75W
Instant Output Lumen	/	/	/	/	8700 lm	10500 lm
LED Quantity	/	/	/	/	160 pcs	160 pcs
Power Consumption	100W	120W	150W	180W	200W	240W
Instant Output Lumen	14000 lm	17400 lm	21750 lm	25200 lm	29000 lm	33600 lm
LED Quantity	160 pcs	320 pcs	320 pcs	320 pcs	448 pcs	448 pcs
Typical System Efficiency	140 lm/w	145 lm/w		140 lm/w	145 lm/w	140 lm/w
	After PC lens + Tempered glass					
LED Chip	Lumileds 3030					

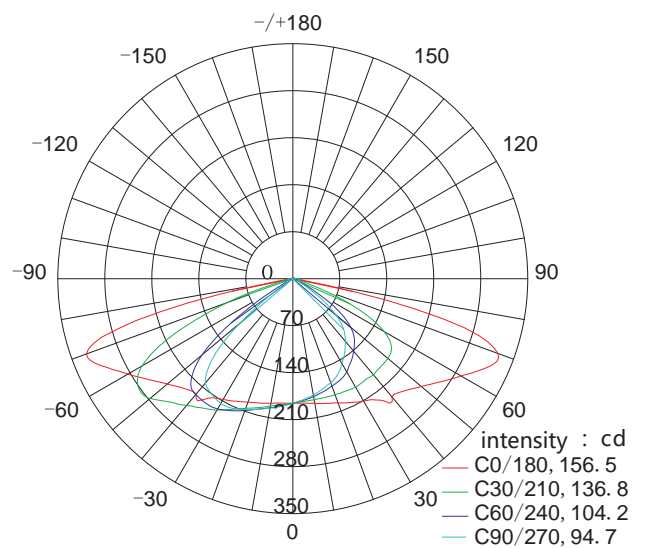
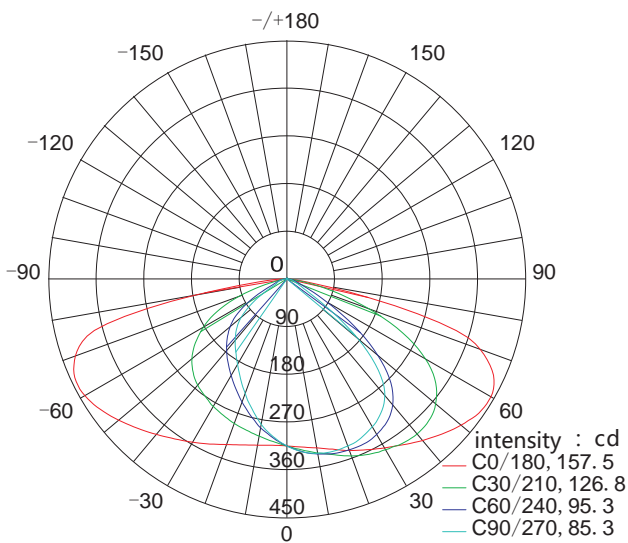
Color	Warm White (WW)	Neutral White (NW)	Cool White (CW)	Cool White (CW)
Color Temperature	3000±300K	4000±300K	5000±300K	5700±300K
Typical CRI	≥70			
Beam Angle	160°/85°, 160°/95°			
Material	Alloy Aluminum, Optical PC, Tempered Glass, Stainless Steel			
Operating Temperature	-30°C~+60°C			
Storage Temperature	-30°C~+50°C			
Frequency	47~63HZ			
Input Voltage	100~240V AC			

# LED SPECIFICATION

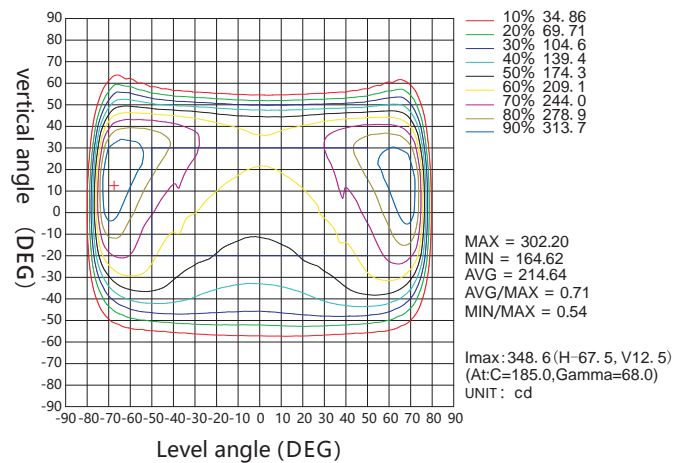
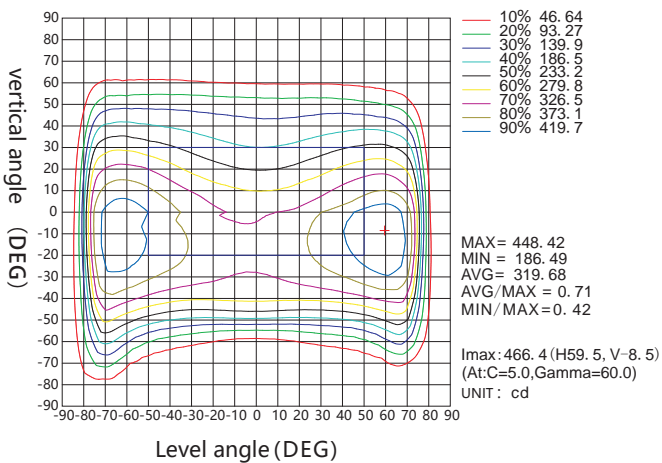
LED Brand	Lumileds/CREE
LED Size	3.0X3.0X0.52 mm
Viewing Angle	120°

Model No.	0.2-0.7 W
CRI	≥70
LED Lumen	185-200 lm/W

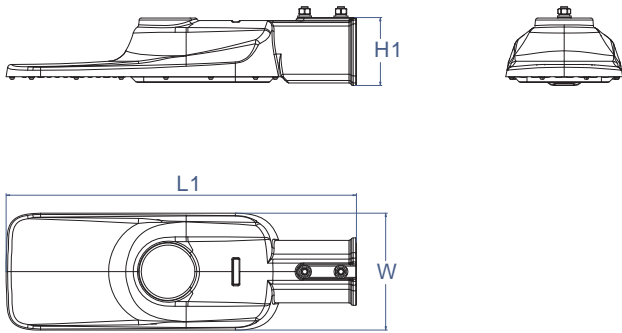
## LIGHT DISTRIBUTION CURVE



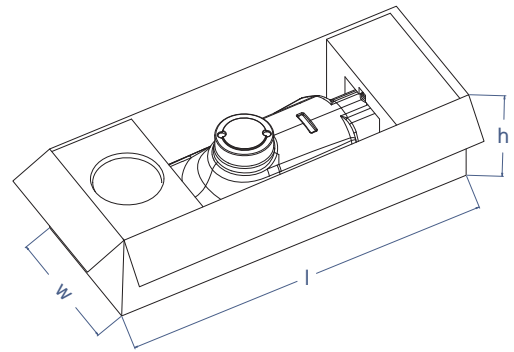
## LUX LEVEL CHART



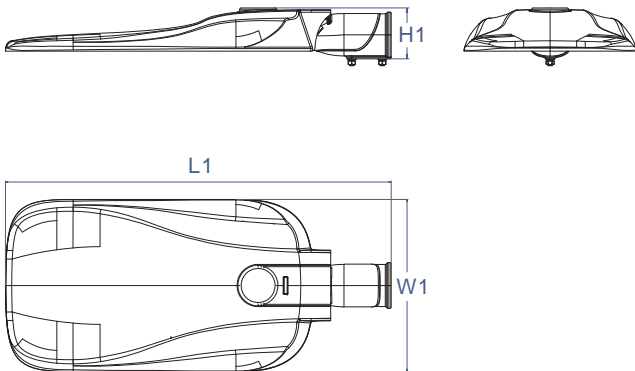
G9 (20~50W)



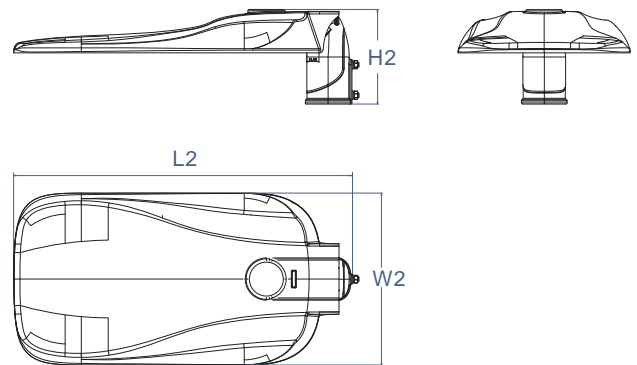
G9 (20~240W)



G9 (60~240W) (L1xW1xH1):

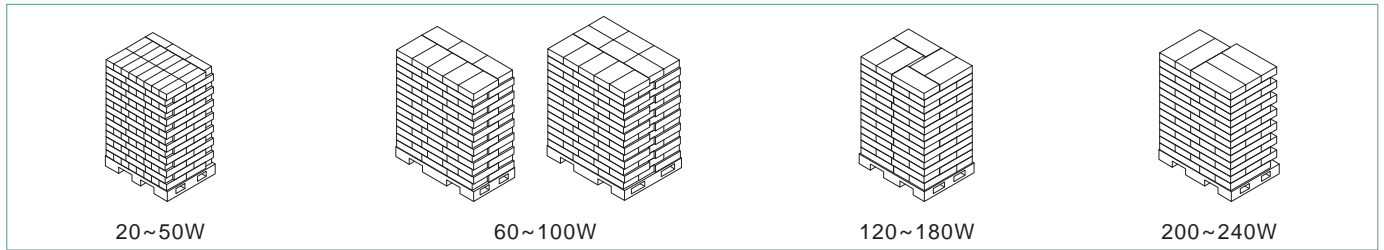


G9 (60~240W) (L2xW2xH2):

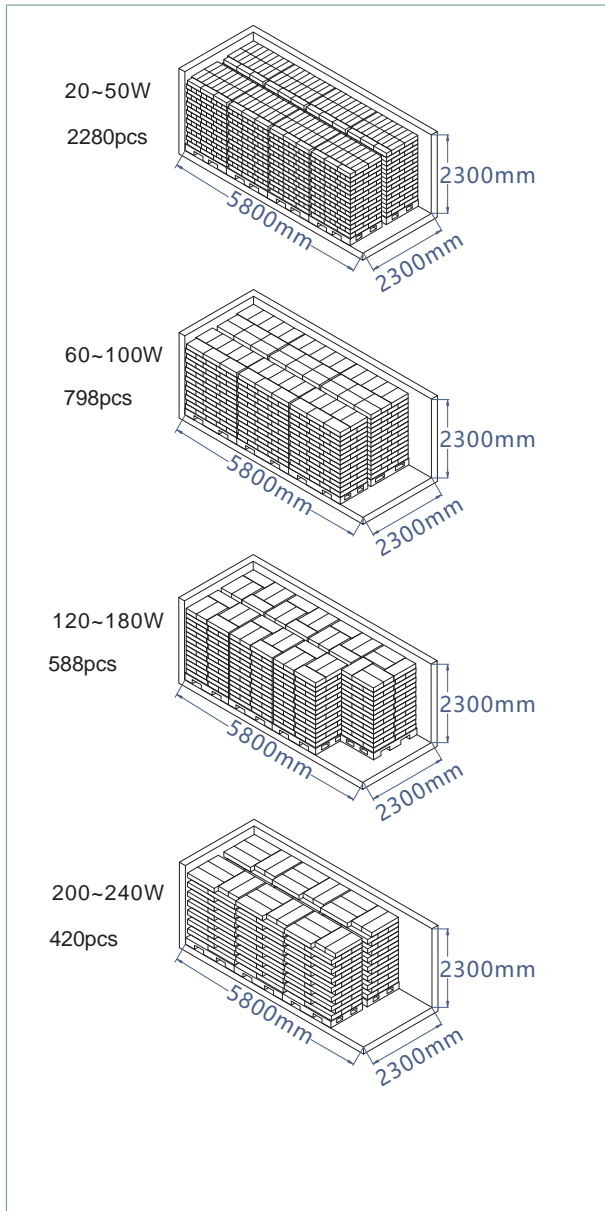


Model	Power	(L1xW1xH1)	(L2xW2xH2)	EPA	l*w*h(mm)	NW	NW (with glass)
DMSL - G9 - 020	20W	405x135x78.5	/	0.0546m <sup>2</sup>	440x170x125	1.5KG	/
DMSL - G9 - 030	30W	405x135x78.5	/	0.0546m <sup>2</sup>	440x170x125	1.5KG	/
DMSL - G9 - 040	40W	405x135x78.5	/	0.0546m <sup>2</sup>	440x170x125	1.5KG	/
DMSL - G9 - 050	50W	405x135x78.5	/	0.0546m <sup>2</sup>	440x170x125	1.5KG	/
DMSL - G9 - 060	60W	530x301.5x92	444.5x301.5x170.5	0.1597m <sup>2</sup>	565x345x135	4.0KG	4.5KG
DMSL - G9 - 075	75W	530x301.5x92	444.5x301.5x170.5	0.1597m <sup>2</sup>	565x345x135	4.0KG	4.5KG
DMSL - G9 - 100	100W	530x301.5x92	444.5x301.5x170.5	0.1597m <sup>2</sup>	565x345x135	4.0KG	4.5KG
DMSL - G9 - 120	120W	695x310x92	605.5x310x170.5	0.2154m <sup>2</sup>	730x345x135	5.6KG	6.6KG
DMSL - G9 - 150	150W	695x310x92	605.5x310x170.5	0.2154m <sup>2</sup>	730x345x135	5.85KG	6.85KG
DMSL - G9 - 180	180W	695x310x92	605.5x310x170.5	0.2154m <sup>2</sup>	730x345x135	5.85KG	6.85KG
DMSL - G9 - 200	200W	865x350x92	779.5x350x170.5	0.3027m <sup>2</sup>	900x385x135	7.6KG	9.4KG
DMSL - G9 - 240	240W	865x350x92	779.5x350x170.5	0.3027m <sup>2</sup>	900x385x135	7.8KG	9.4KG

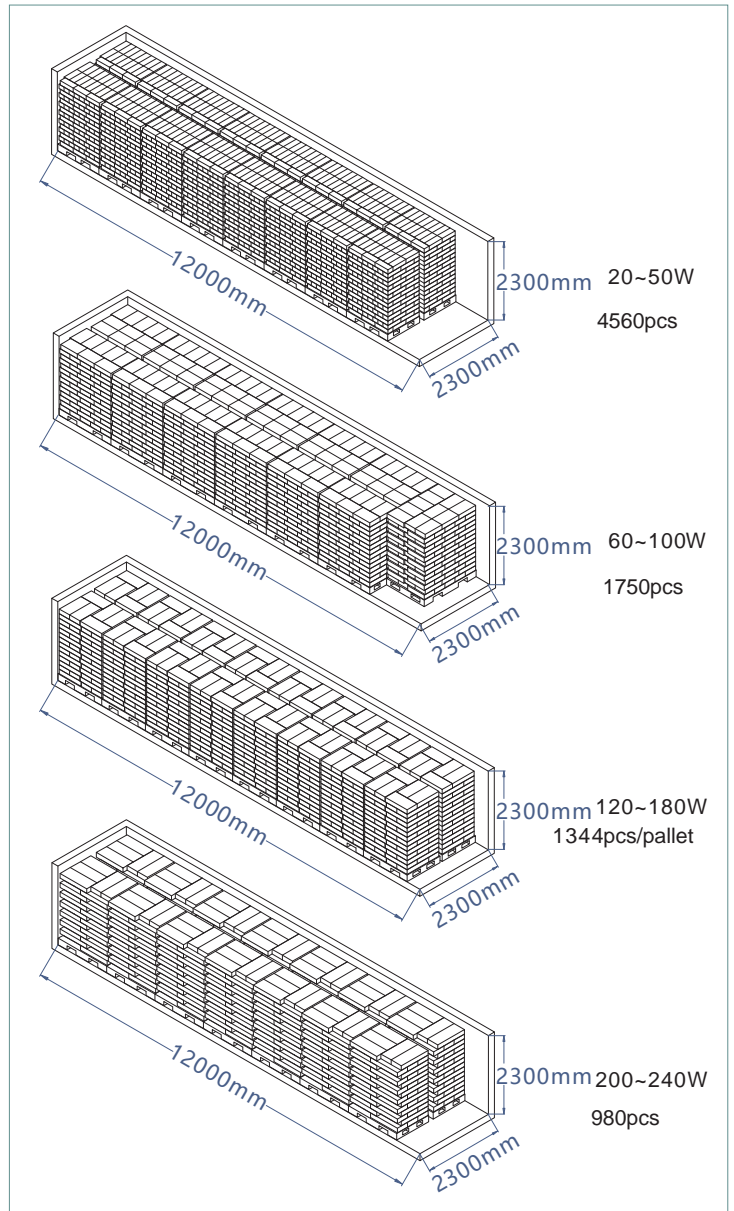
## Diagram of Pallet loading



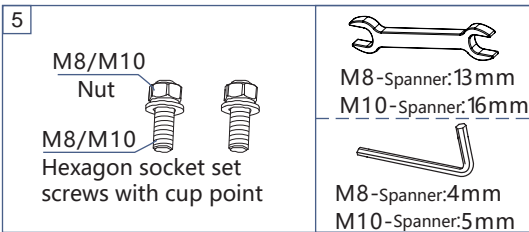
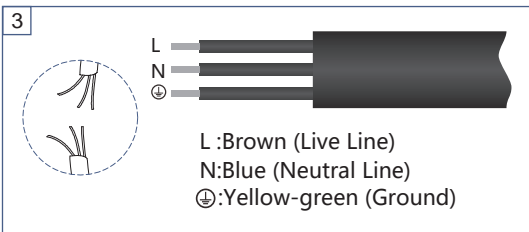
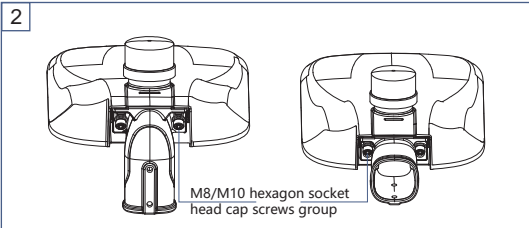
## 20ft Container loading



## 40ft Container loading



Power Consumption	20W	30W	40W	50W	60W	75W	100W	120W	150W	180W	200W	240W
Pallet size: L*W	1390x1080x1985 (285pcs/pallet)				1745x1275x2000(154pcs/pallet) 1745x930x2000(112pcs/pallet)			1470x1115x2000 (84pcs/pallet)		1630x1075x2000 (70pcs/pallet)		
Qty of one 20ft CTN	2280pcs				798pcs			588pcs		420pcs		
Qty of one 40ft CTN	4560pcs				1750pcs			1344pcs		980pcs		



### Wiring:

Cut off the power input (turn the switch gear to "OFF"). Connect the core wires of the power cable to the input wire of lamp correspondingly (lamp input wire: brown to the power grid L (Live line), blue to the power grid N (Neutral line), yellow-green to the power grid G (ground wire) , and wrap with fireproof insulating tape according to safety regulations).

### Installation steps:

1. Screw the photocontrol onto the base (optional)
2. Fasten the hoop to the lamp body with bolts
3. Connect the cable according to the wiring diagram
4. Loosen the fastening screws, align the hoop mouth with the light pole in the direction of the arrow shown in the figure, and slowly slide the light pole to the bottom;
5. Refer to the level bubble, rotate the lamp to keep it parallel to the direction of the road, then tighten two fixing screws, and finally tighten two fastening nuts.

### Remarks:

Light pole diameter can be 52mm ~ 60mm;  
Horizontal or vertical installation available, ± 15 ° elevation and depression angle adjustment;  
Hex wrench would be used when installing, and the tightening strength is 18Nm.

### Inspection after installation:

1. Firmness, cleanliness; direction, angle.
2. The wire is not exposed and the wire sheath is not damaged.
3. Power-on inspection (air switch and other devices need to be turned to the ON position); the control system need overall adjustment; For lamps with construction errors, they need to be power off and to do re-construction.

