

Catalogue 2023

Akino Series



Akino GD09 series



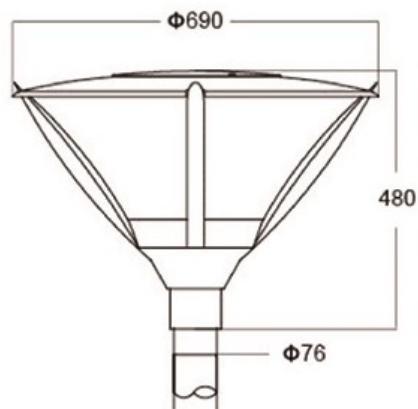
**AR
WARRANTY**

LED garden light

Product Description



•Silver Gray •Black



LED Cree Source



High quality imported CREE light source, power range of 1-30W, light efficiency up to 120lm/w

LED Driver



Inventronics LED Driver with excellent stability performance



Simple and elegant appearance good thermal performance, IP65



Die-casting heat lamp body, surface with hot-dip galvanized spray treatment, corrosion-resistant



High-quality PC cover, light transmission rate as high as 90% reducing the glare, high safety factor



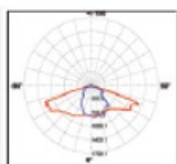
Sealed lampshade, UV resistance good sealing performance, IP65

LED garden light

Product Description

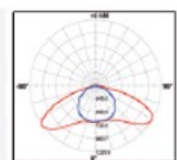
Optics

LED Garden lights GD09 are widely used in urban roads, parking, bike lanes, gardens, squares, residential areas and other outdoor venues. Offers different high distribution lenses for GD09, to achieve the best lighting effects in different applications. According to North American IESNA standards, optional lens widths are Type I, Type II and Type III



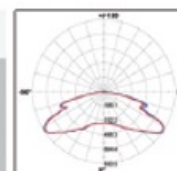
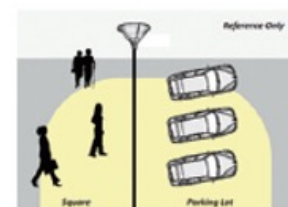
Type I

Type I GD09 Series has a 160° * 80° beam angle.
Applies to: Single lane, sidewalks, bike lanes, branch roads



Type II

Type II GD09 Series has a 160° * 110° beam angle.
Applies to: Wide ramps and entrance roads such as alleyways, residential areas and wider bike lanes



Type III

Type III GD09 Series has a 155° * 155° beam angle.
Applies to: Gardens, squares, general parking lot and other large area lighting

Technology Parameter

Model	GD09-35W	GD09-50W	GD09-60W
Rated Power	35W	50W	60W
LED Qty	16pcs	24pcs	28pcs
Luminous Flux	2900-3100lm	4150-4400lm	5000-5300lm
G.W/ N.W	12.5/ 11KGs		
Working Volt	AC100-277V		
Power Factor	>0.95		
CRI	>75		
CCT	3000 ~ 6000K		
Working Temp	-40 ~ 55°C		
Material	AL Body and PC		
Product Size	Ø690 x H480mm		
Packing Size	570 x 570 x 570mm		
Insulation Class/ IP Degree	Class I/ IP65		
Lifetime	50,000hrs		

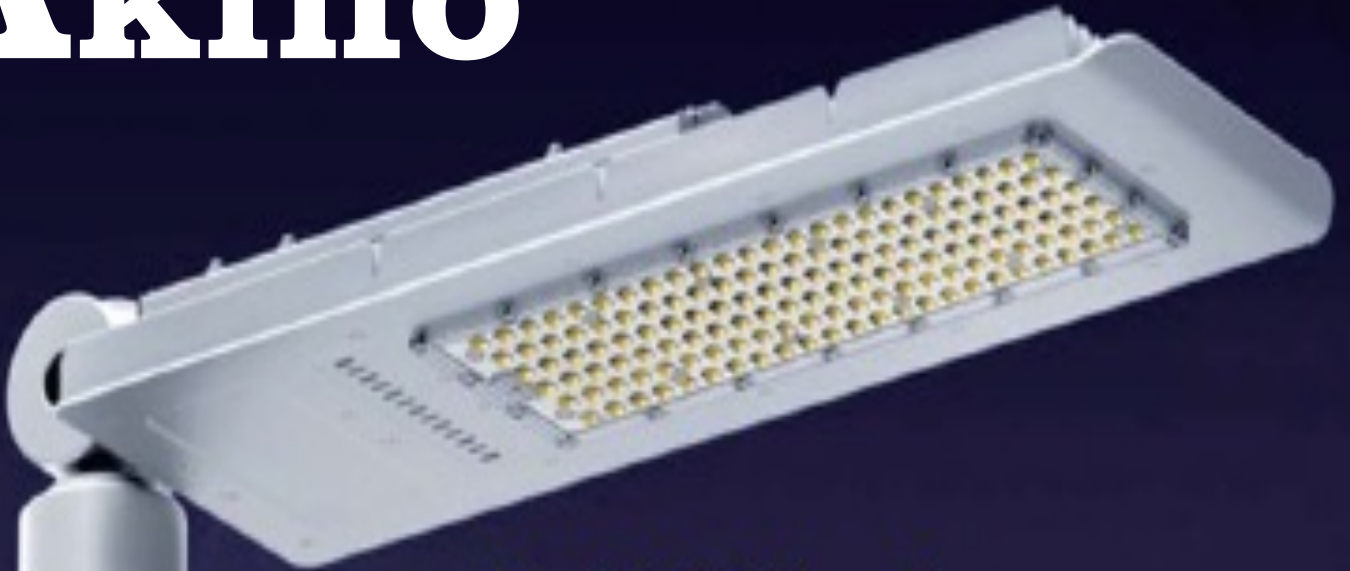
LED garden light

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LED garden light

Akino



ST20 Series

High Cost-Performance
Solution for Street Light Replacement



Integrated design of driver box and arm

Integrated design of driver box and arm, the whole aluminium lamp is able to heat dissipation.

With two specifications of the light pole's back cover: Ø60mm and Ø40mm.

With a protection grade reaching IP66, it can withstand a level 17 hurricane

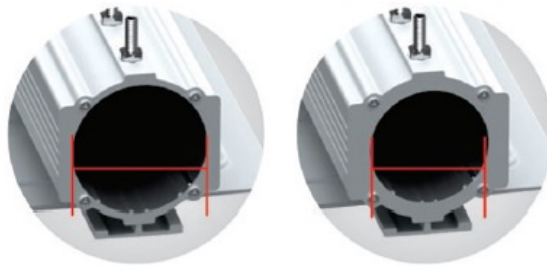


Integrated design of driver box and arm can save the space and reduce the wind resistance to the best.

(Followings are abbreviated drawing, different watts, same functions)



Two specifications of the light pole's back cover, the lamps can be used more widely



60mm

40mm

Prospective design, performance excellence

(Followings are abbreviated drawing, different watts, same functions)



Protection grade reaches IP66



Anti- Level 17hurricane

Multi Power Selection

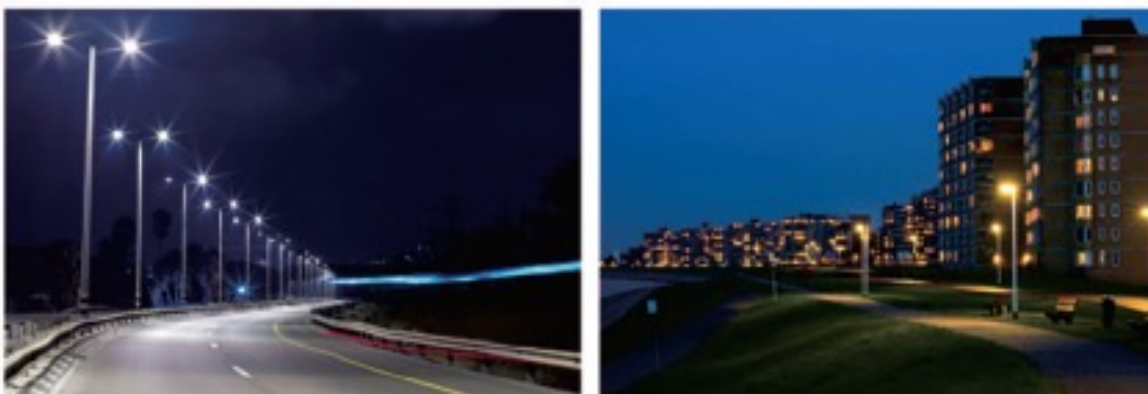
ST20 Series includes 30W, 40W, 60W, 90W, 120W, 150W.

A total of 6 heat radiating product portfolio according to the use of premises need to select appropriate heat radiating suite.

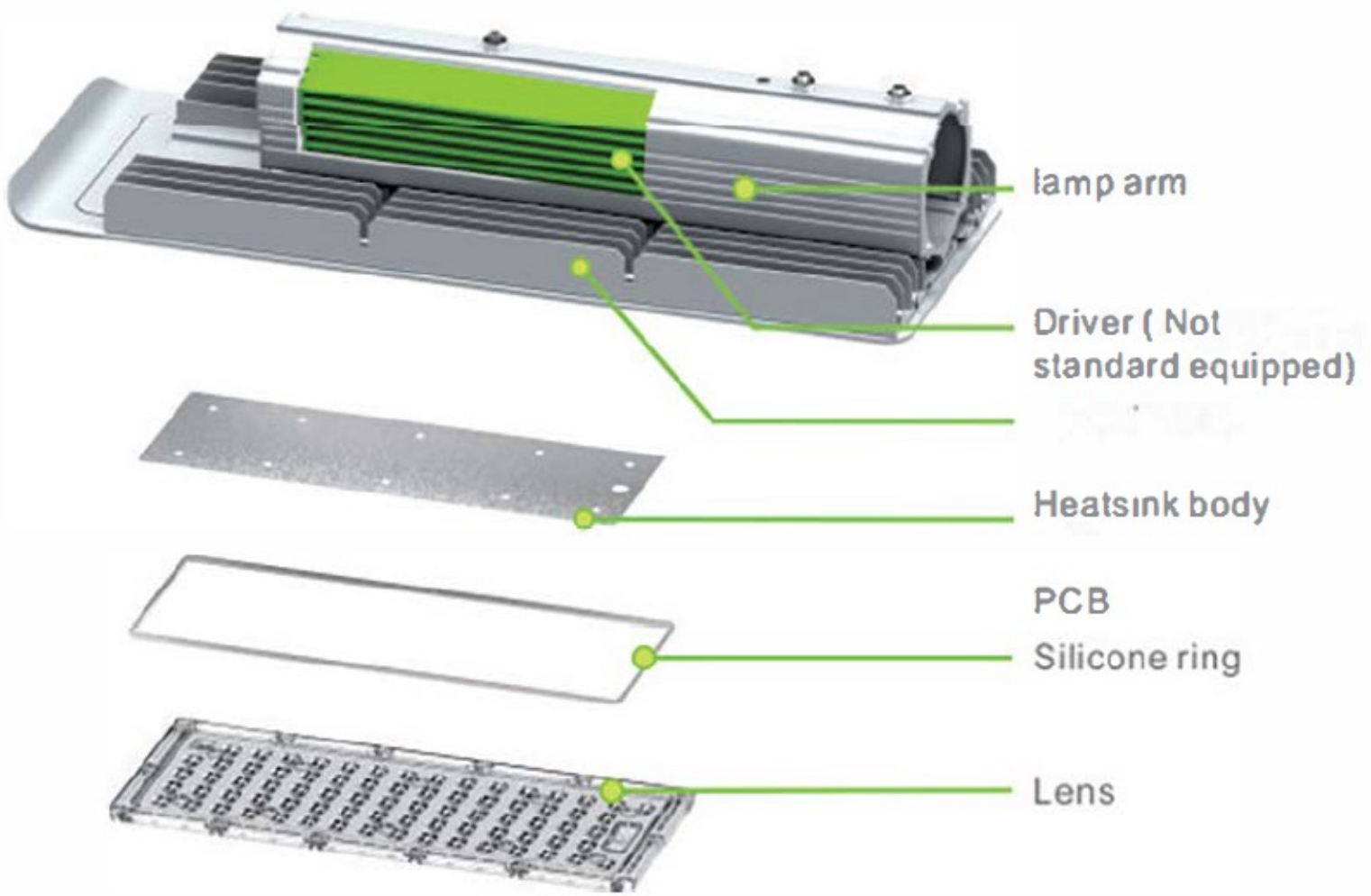


Application

Widely used in arterial roads, highways, elevated road, city streets, bridges, sidewalks road lighting, schools, residential areas, industrial areas, parks and other outdoor lighting places need.



Detail Diagram Showing



Lighting Parameters

Power	20W	35W	50W
LED Type	SMD3030		
LED Qty (Pcs)	24	36	54
Connection	4P6S	6P6S	9P6S
Chips Volt	36V		
Chips Current (mA)	500	875	1250
Power Factor	>0.95		
Lumen	>125lm/w		
Color Temp	3000-6500K		
Color Render	>70		
Beam angle	145°x75°	145°x75°	145°x65°
Product Size(mm)	366x135x84mm	366x135x89mm	431x160x89mm
Light Material	Die-cast AL body + PC Lens		
Protection degree	IP66 & Ik10		
Work Temp	-40°C ~ +50°C		
Work Humidity	10%~90%		
Life Span	50,000hrs		

Lighting Parameters

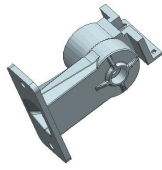
Power	60W	90W	120W
LED Type	SMD3030		
LED Qty (Pcs)	77	112	144
Connection	11P7S	16P7S	24P6S
Chips Volt	42V		
Chips Current (mA)	1360	2100	3300
Power Factor	>0.95		
Lumen	>125lm/w		
Color Temp	3000-6500K		
Color Render	>70		
Beam angle	145°x70°	140°x65°	145°x75°
Product Size(mm)	431x160x89mm	632x215x90mm	632x215x90mm
Light Material	Die-cast AL body + PC Lens		
Protection degree	IP66 & Ik10		
Work Temp	-40°C ~ +50°C		
Work Humidity	10%~90%		
Life Span	50,000hrs		

LED PARKING LOT LIGHT



Slip fitter

Pole Mounted



Wall Mounted



Yoke mount

P/N : IA-ZEUS-PL300

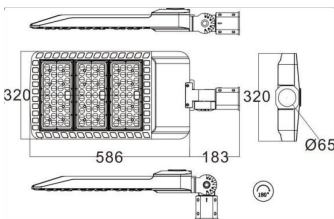
Note :

ZEUS = Product Series

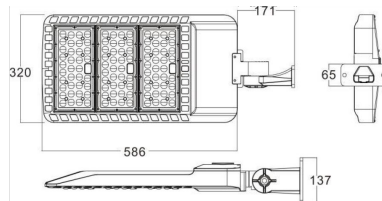
PL = Product Name, Parking Lot Light

300 = Power, 300W

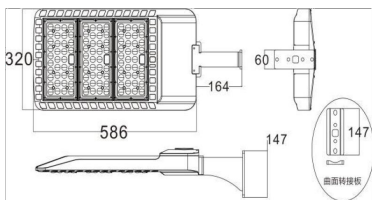
DIMENSIONS



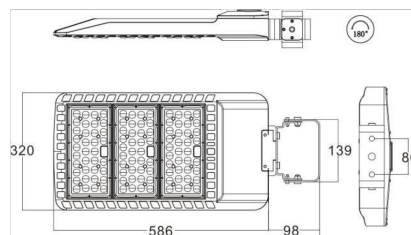
Slip fitter



Pole Mounted



Wall Mounted



Yoke mount

ADVANTAGE

- CE ROHS certificate.
- LUMILEDS Chip, high CRI.
- IP65 driver, input voltage 100-277VAC.
- Output constant current lever can be adjusted through output cable with 1-10V.
- No UV or IR in the beam.
- Easy to install and operate.
- Energy saving, long lifespan.
- Light is soft and uniform, safe to eyes.
- Instant start, NO flickering, NO humming.
- Green and eco-friendly without mercury.

APPLICATION

- Outdoor basketball court, tennis court.
- Badminton court, the football field.
- The school playground, stadium.
- Community leisure entertainment plaza, road lamp etc.

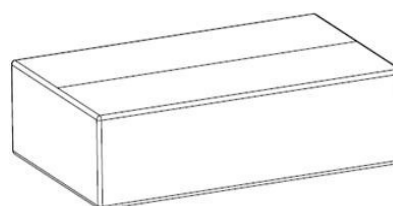
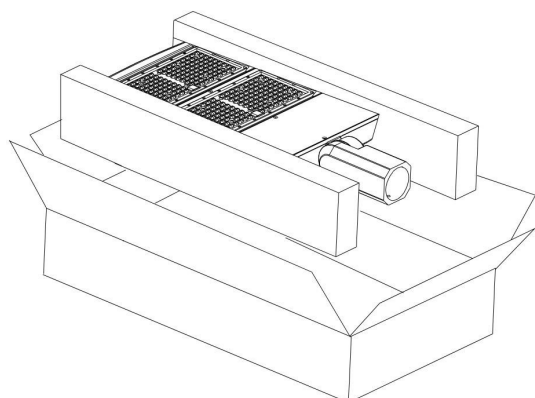
LED PARKING LOT LIGHT

SPECIFICATIONS

OPTICAL	Input Power	300W
	Lumen	45000-48000LM
	Lumen Efficacy	150-160 LM/W
	Color Temperature	4000K, 4500K, 5000K, 5700K
	CRI	>70
	Viewing Angle	80*150 80*155 150 Degree (Type III Type IV Type V)
ELECTRICAL	Input Voltage	100-277VAC 50/60Hz
	PF	≥0.95
	THD	≤15%
	Driver Model	Inventonics Driver
	Optional Accessory	Photocell / Surge protector/ Motion sensor
MATERIALS	LED Brand	LUMILEDS
	LED Type	SMD3030
	LED QTY	432 PCS
	Housing	Aluminum Alloy
	Housing Color	Black / Brown/white/ Customized
	Waterproof Rating	WET (IP65)
OTHERS	Operating Temperature	-40°C TO 40°C
	Operating Humidity	20%-90% RH
	Storage Temperature	-40°C TO 80°C
	Storage Humidity	10%-95% RH
	Warranty Time	7 Years

PACKAGE

Stent Type	Lamp Net Weight	Size	Qty / Carton	Gross Weight / Carton
Slip fitter	9.3 KG	800*376*168 MM	1 PC	11.5KG
Pole Mounted	9.8KG	800*376*168 MM	1 PC	11KG
Wall Mounted	9KG	800*376*168 MM	1 PC	10.5KG
Yoke Mounted	9KG	800*376*168 MM	1 PC	10.5KG



LED PARKING LOT LIGHT

LIGHT DISTRIBUTION TESTING PARAMETERS

Luminaire Property

Luminaire Manufacturer:
Voltage: 119.3 V
Power: 304.99 W

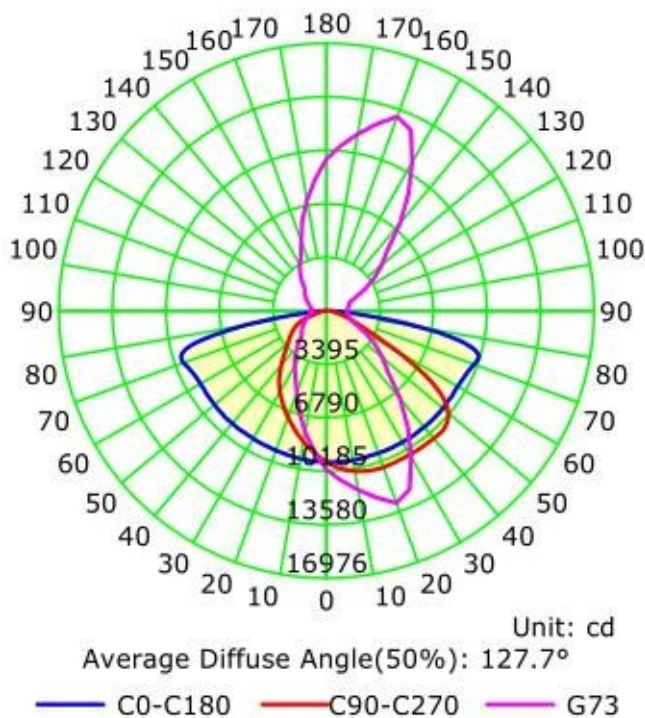
Current: 2.5803 A
Power Factor: 0.985

Photometric Results

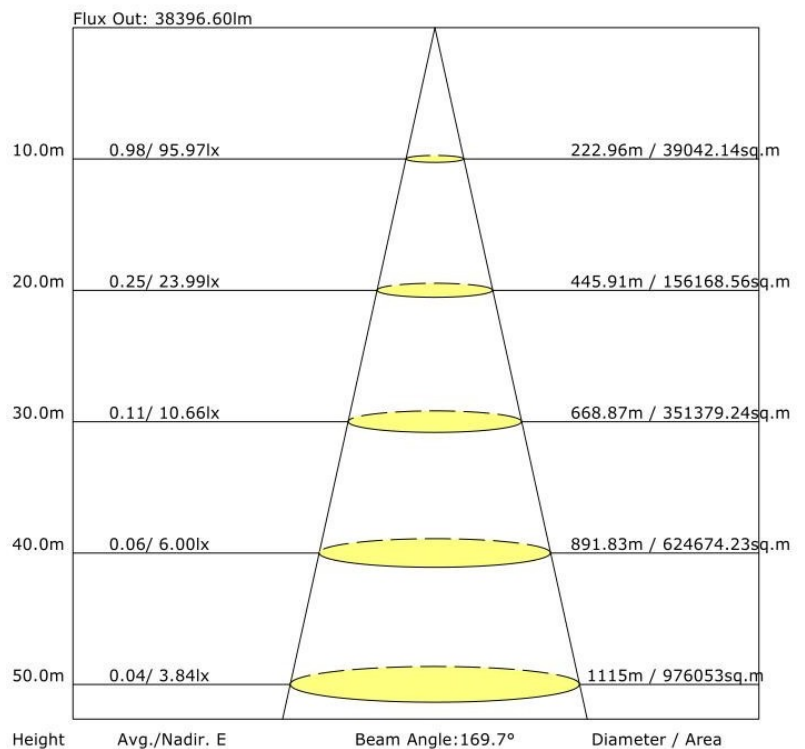
IES Classification: Type III
Total Rated Lamp Lumens: 38665.8 lm
Efficiency: 100%
Upward Ratio: 0%
Central Intensity: 9596.53 cd
Pos of Max. Intensity: H157.5 V73

Longitudinal Classification: Medium
Measurement Flux: 38665.8 lm
Downward Ratio: 100%
Luminaire Efficacy Rating (LER): 126.78
Max. Intensity: 13580.93 cd

Luminous Intensity Distribution Curve



The Average Illuminance Effective Figure



NOTICE FOR USER

- Please turn off power before install or change assembly parts.
- The input voltage and lamps should be matched, after connecting the power line, Please make sure the wiring section is insulated.
- No-professionals, must not install and disassemble the lamps.

TROUBLE SHOOTINGS

Troubles	Check points
Flickering of the light	Turn off the power and turn on again in 3 minutes. If same phenomena occur, then call agencies.
Out of working	Please check the connection.