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Ningbo Jiayi Imp. & Exp. Co.,Ltd.





Company Profile

Greenergy , the professional

supplier and distributor of LED lighting products. We have been dedicated to the developments and proliferation of green and energy-saving lighting technology. Through our insistent endeavor, we've built up a full range of LED lighting products, including LED street light, tunnel light, high bay light, tube light, flood light, wall washer, down light, garden light, bulb and spot light and so on.

As the world's industrialization speed up, we have to face the sad fact that the traditional petro-energy is running out within several decades. We will have serious energy crisis if the petro consumption continues in this way. That's the reason energy-saving looms so large before we are able to find economically reusable and green energy. LED light is the right tool that can be equipped in our battle against pressure sodium lights. 80% energy saving can be achieved by using LED lights at same luminous flux. And LED light enjoys the advantage of being a safe and green lighting products compared with fluorescent lamps as no mercury and fragile glass is applied in its production. Let's collaborate closely together for a green and better world!

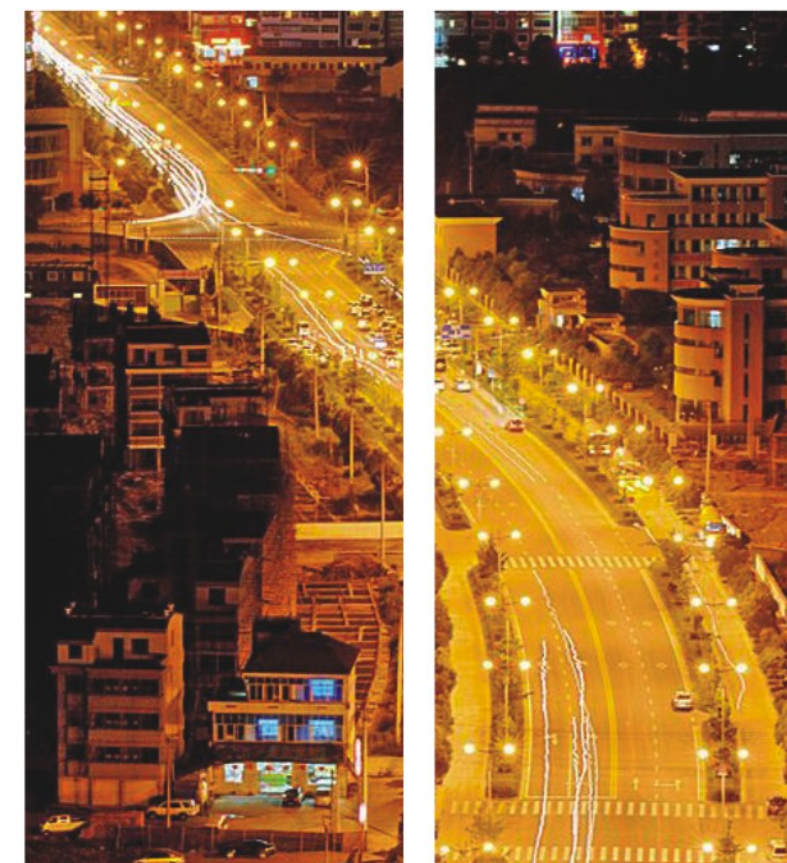
Choose **Greenergy**, choose the future!

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We have supplied
over 80,000 pieces

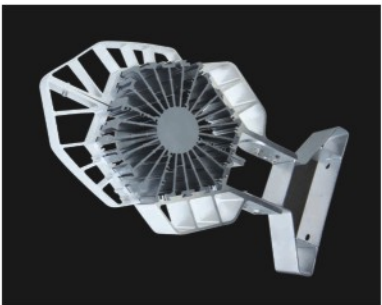
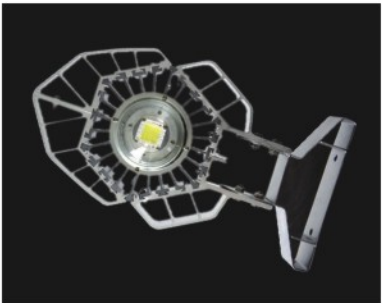
of the LED street light to cities
domestically and overseas.

Special Features

- Over 50,000Hrs Mean Time Between Failures (depends on environment).
- IP66 Protection.
- Superior color rendering index up to 80 , near daylight quality.
- Wide color of temperature range available.
- Power efficiency over 90% , Power factor up to 0.98 , THD less than 10%.
- Isolated low-voltage driver mode leading to high safety and reliability.
- No light pollution ,no IR, no UV.
- Anti-vibration and shock-proof.
- Green and environment-friendly: lead-free, no-mercury, no fragile glass, no environment-harmful materials.
- Tremendous energy saving: more than 75% electricity saving over conventional sodium light.

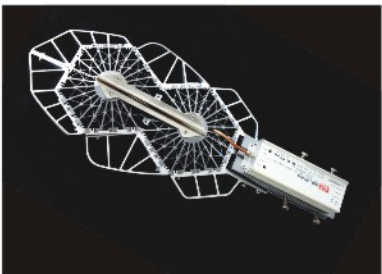
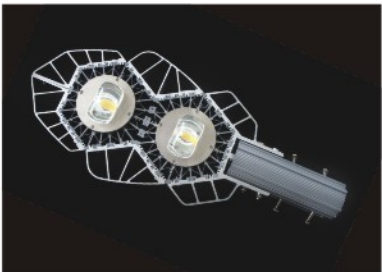
Benefits:

- 1.High quality LED modules-utilizing bridgelux LED modules.
- 2.Greater cooling capacity through the adoption of sun flower design.
- 3.Incorporates meanswell's high quality power supply to deliver greater power efficiency.
- 4.50%-80% energy will be saved compared to conventional sodium and mercury lamps.
- 5.The exterior design can be customized based on different needs.
- 6.Lamp life span - 50,000 Hours average
- 7.Lmpact resistance,shock-proof,ultraviolet (UV)free and infrared radiation(IR)free.
- 8.Revolutionary designs-holds a wide range of patents with thr cutting-edge product designs.
- 9.Green and environmental protection- no lead, mercury,nor pollution.



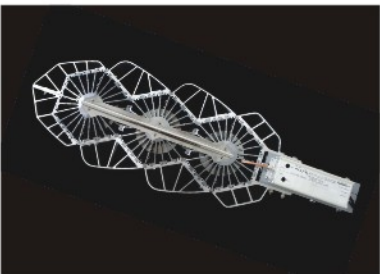
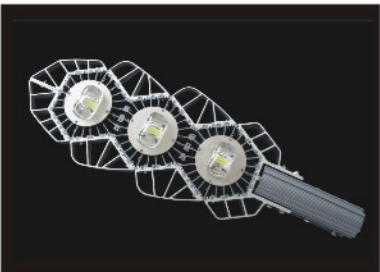
Working Characteristics

Model	JY-SL50
Power	50W
Construction	Aluminum&Stainless Steel
Voltage	AC90-264V,50Hz-60Hz
Color Rendering Index	70-80
Color Temp.	2700-6500K
Power Factor	> 0.95
Working Temp.	-20°C-50°C
Colors:	Silver, Gun Metal, Blue
Mounting:	Standard Light Pole(1.25"-2.5")
Net Weight:	5KGS
Luminous Flux	4250±100lm
IP Rate:	IP65
Size(H*L*W)	140*530*300mm
Wattanty	5years



Working Characteristics

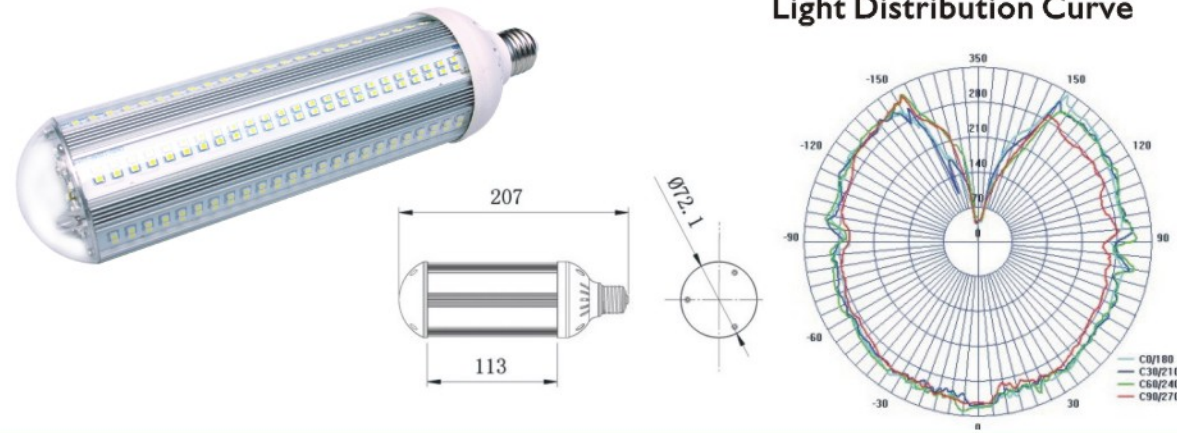
Model	JY-SL100
Power	100W
Construction	Aluminum&Stainless Steel
Voltage	AC90-264V,50Hz-60Hz
Color Rendering Index	70-80
Color Temp.	2700-6500K
Power Factor	> 0.95
Working Temp.	-20°C-50°C
Colors:	Silver, Gun Metal, Blue
Mounting:	Standard Light Pole(1.25"-2.5")
Net Weight:	9KGS
Luminous Flux	8500±100lm
IP Rate:	IP65
Size(H*L*W)	140*713*300mm
Wattanty	5years



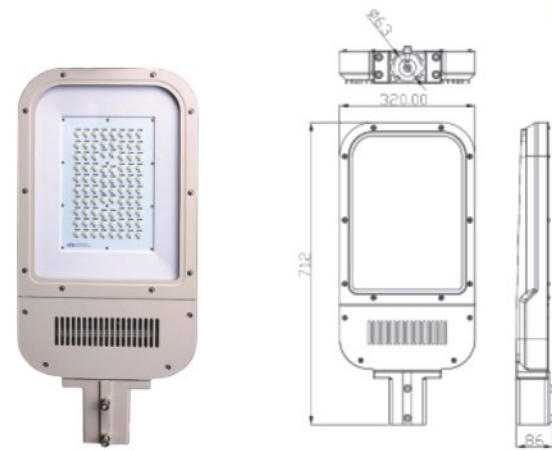
Working Characteristics

Model	JY-SL150
Power	150W
Construction	Aluminum&Stainless Steel
Voltage	AC90-264V,50Hz-60Hz
Color Rendering Index	70-80
Color Temp.	2700-6500K
Power Factor	> 0.95
Working Temp.	-20°C-50°C
Colors:	Silver, Gun Metal, Blue
Mounting:	Standard Light Pole(1.25"-2.5")
Net Weight:	13KGS
Luminous Flux	12750±100lm
IP Rate:	IP65
Size(H*L*W)	140*915*300mm
Wattanty	5years

Light Distribution Curve



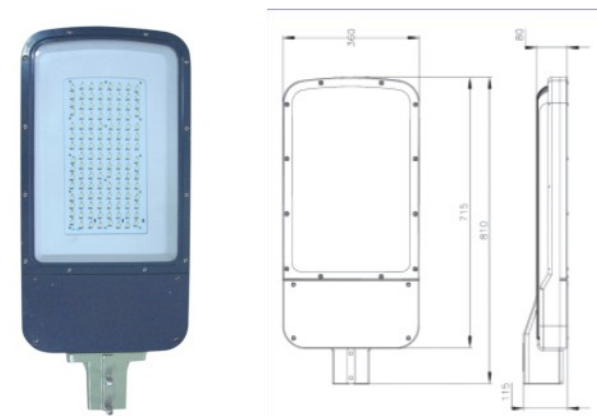
Model	Power	Input Voltage	Lifespan	CRI	CCT	Luminous Flux	Base	Unit Size	Unit Weight
JY-YS02	20W	AC90-260V	>50000 hrs	80	3500K~6500K	1800lm-2000lm	E27/E40	φ72mm*H292mm	620±10g
JY-YS03	30W	AC90-260V	>50000 hrs	80	3500K~6500K	2700lm-3000lm	E27/E40	φ72mm*H400mm	770±10g



Working Characteristics

Item	Parameter
Working Temperature	-20°C-45°C
Storage Temperature	-40°C-85°C
Adaptive Humidity	≤90%
Life Span	50000 hrs
Install Dimension	φ 60 mm
Material	Al, Glass, ABS
IP Protection	Ip65

Model	Power	Input Voltage	Frequency	Net Weight	Luminous Flux(lm)	Recommended Height
JY-S05	50W	AC110V/220V	50/60Hz	10kgs	4250lm	3-5m
JY-S08	80W	AC110V/220V	50/60Hz	10kgs	6800lm	4-6m
JY-S10	100W	AC110V/220V	50/60Hz	10kgs	10000lm	5-7m
JY-S13	130W	AC110V/220V	50/60Hz	13kgs	13000lm	6-8m



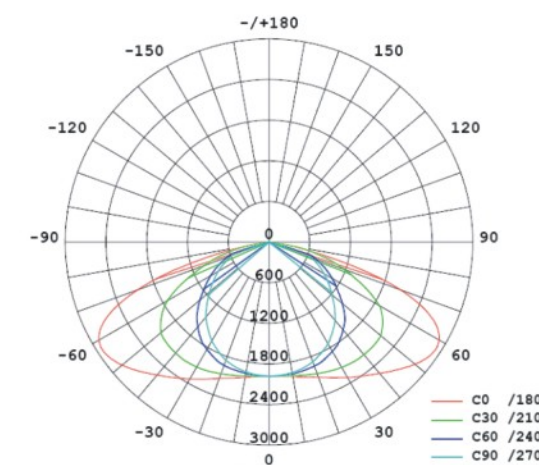
Working Characteristics

Item	Parameter
Working Temperature	-20°C-45°C
Storage Temperature	-40°C-85°C
Adaptive Humidity	≤90%
Life Span	50000 hrs
Install Dimension	φ 60 mm
Material	Al, Glass, ABS
IP Protection	Ip65

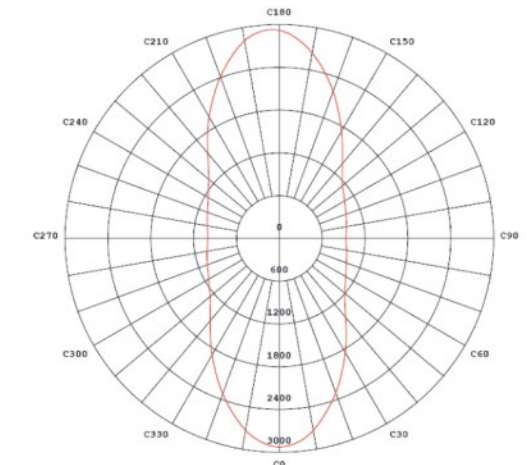
Model	Power	Input Voltage	Frequency	Net Weight	Luminous Flux(lm)	Recommended Height
JY-S15	150W	AC110V/220V	50/60Hz	13kgs	12750lm	7-9m
JY-S18	180W	AC110V/220V	50/60Hz	13kgs	15300lm	8-10m
JY-S20	200W	AC110V/220V	50/60Hz	13kgs	17000lm	9-12m



Light Distribution Curve

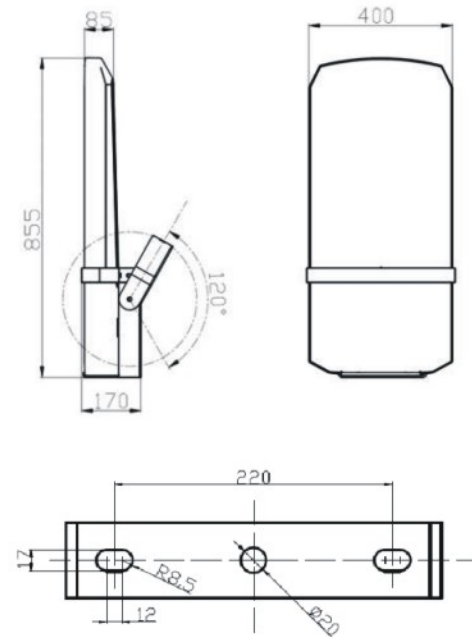


Light Distribution Curve

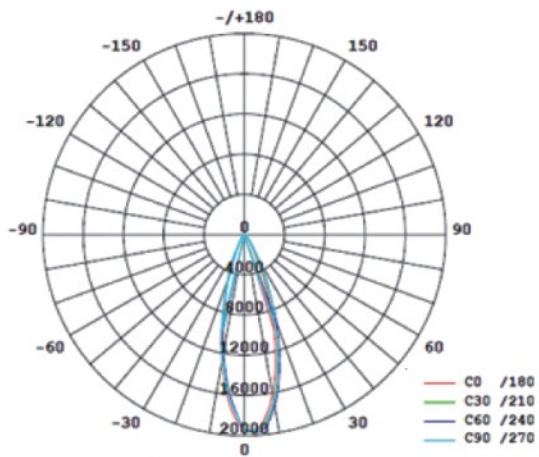


Working Characteristics

Item	JY-S05/S08/S10/S13/S15/S18/S20
LED Lighting Efficiency	≥120 Lm/W
Initial Luminous Flux	≥5000Lm/8000Lm/12000Lm/15600Lm/15000Lm/18000Lm/20000Lm(Tj=25°C)
Maintained Luminous Flux	≥4250Lm/6800Lm/10000Lm/13000Lm/12750Lm/15300Lm/17000Lm(Tj=70°C, Tj=25°C)
Luminaire Efficiency	≥88%
Color Rendering Index	≥80
Color Temperature	5000K-5800K
Effective Lighting Area	(H 6m):20*8m, (H 8m):26*10m (H 10m):30*13m, (H 12m):40*16m
Longitudinal uniformity	>0.5
Overall Uniformity Ratio	>0.4



Light Distribution Curve



Working Characteristics

Item	Parameter
Working Temperature	-20°C-45°C
Storage Temperature	-40°C-85°C
Adaptive Humidity	≤90%
Life Span	50000 hrs
Dimension	Φ855mm(L) * 400mm*170mm(H)
Install Dimension	Φ 20 mm
Gross Weight	26KG
Material	Al,GLASS
IP Protection	Ip66

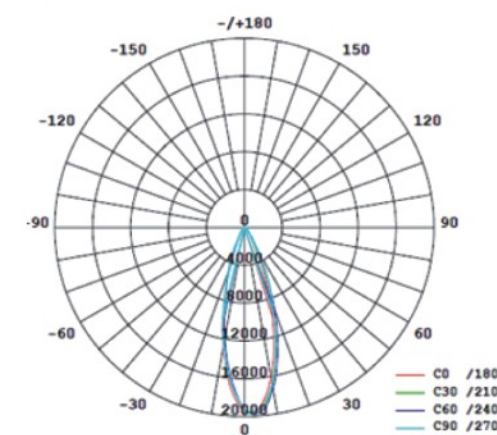


JY-S30B

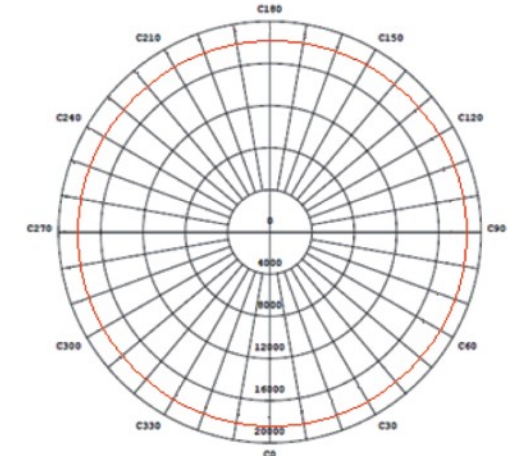
Working Characteristics

Item	JY-S30B
Working Temperature	-20°C-45°C
Storage Temperature	-40°C-85°C
Adaptive Humidity	≤90%
Life Span	50000 hrs
Power	300W
Input Voltage	AC100V/200V
Luminous Flux	27000lm
Material	Al,GLASS
IP Protection	Ip66

Light Distribution Curve



Light Distribution Curve



Working Characteristics

Item	JY-S25/S30/S35/S40
LED Lighting Efficiency	≥120 Lm/W
Initial Luminous Flux	≥25000Lm/30000Lm/35000Lm/40000Lm (Tj=25°C)
Maintained Luminous Flux	≥21250Lm/25500Lm/29750Lm/34000Lm (Tj=70°C, Ta=25°C)
Luminaire Efficiency	≥88%
Color Rendering Index	≥80
Color Temperature	5000K-5800K
Effective Lighting Area	(H 12m):30*15m, (H 14m):40*18m
Longitudinal uniformity	>0.8
Overall Uniformity Ratio	>0.6



**Comparison Chart for 50w&80W LED light with HPS Lamp
(Equal Luminous efficiency)**

Item	Light Source		Light Source		Remark
	HPS lamp	LED lamp	HPS lamp	LED lamp	
Energy consumption for the same luminous efficiency	125W	50W	200W	80W	1) Total 36500 hours in 10 years.10 hours/day
Electical Distubution	Rectifier	Driver	Rectifier	Driver	
	40W	10W	64W	10W	
Comprehensive Cable loss(6%)	7.5W	3W	12W	4.8W	
Transformer loss(3%)	3.75W	1.5W	6W	2.4W	2) presume: 0.1usd per kw/h
Power Factor	0.7	0.99	0.7	0.99	
Subtotal Lamp's Power Consumption	252W	65W	403W	97W	
Daily Energy Consumption(kw/h)	2.52kw/h	0.65kw/h	4.03kw/h	0.97kw/h	
Energy consumption per years (kw/h)	919.8KW/h	237.3KW/h	1471KW/h	354KW/h	3)presume: labour charge: 0.3usd/time for each replacement.
Electric charge for one year(usd)	91.98	23.73	147.1	35.4	
Electric charge for ten years(usd)	919.8	237.3	1471	354	
Life span(hours)	3000	50000	3000	50000	
Repalce times for ten years(times)	12	no need to replace	12	no need to replace	4) unit price for light source just for reference
Unit price of Light source(usd)	15		24		
Labour Cost(usd)	3.6		3.6		
Maintenance cost for ten years(usd)	183.6		291.6		
Expected Consumption cost for ten years(usd)	1103.4	237.3	1762.6	354	
Saving consumption cost for ten years(usd) If replace for LED lamps		866.1		1408.6	

■ E-mail:jiayi@jiayi-gift.com

**Comparison Chart for 100w&130W LED light with HPS Lamp
(Equal Luminous efficiency)**

Item	Light Source		Light Source		Remark
	HPS lamp	LED lamp	HPS lamp	LED lamp	
Energy consumption for the same luminous efficiency	250W	100W	325W	130W	1) Total 36500 hours in 10 years.10 hours/day
Electical Distubution	Rectifier	Driver	Rectifier	Driver	
	80W	10W	104W	10W	
Comprehensive Cable loss(6%)	15W	6W	19.5W	7.8W	
Transformer loss(3%)	7.5W	3W	9.75W	3.9W	2) presume: 0.1usd per kw/h
Power Factor	0.7	0.99	0.7	0.99	
Subtotal Lamp's Power Consumption	504W	120W	627W	153W	
Daily Energy Consumption(kw/h)	5.04 kw/h	1.2kw/h	6.27kw/h	1.53kw/h	
Energy consumption per years (kw/h)	1839.6KW/h	438KW/h	2288.6 KW/h	558.5 KW/h	3)presume: labour charge: 0.3usd/time for each replacement.
Electric charge for one year(usd)	183.96	43.8	228.86	55.85	
Electric charge for ten years(usd)	1839.6	438	2288.6	558.5	
Life span(hours)	3000	50000	3000	50000	
Repalce times for ten years(times)	12	no need to replace	12	no need to replace	4) unit price for light source just for reference
Unit price of Light source(usd)	30		39		
Labour Cost(usd)	3.6		3.6		
Maintenance cost for ten years(usd)	403.2		471.6		
Expected Consumption cost for ten years(usd)	2242.8	438	2760.2	558.5	
Saving consumption cost for ten years(usd) If replace for LED lamps		1804.8		2201.7	

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**Comparison Chart for 150w&180W LED light with HPS Lamp
(Equal Luminous efficiency)**

**Comparison Chart for 200w&400W LED light with HPS Lamp
(Equal Luminous efficiency)**

Item	Light Source		HPS lamp	LED lamp	HPS lamp	LED lamp	Remark
Energy consumption for the same luminous efficiency			375W	150W	450W	180W	1) Total 36500 hours in 10 years.10 hours/day
Electical Distibution			Rectifier	Driver	Rectifier	Driver	
			120W	20W	144W	20W	
Comprehensive Cable loss(6%)			22.5W	9W	27W	10.8W	2) presume: 0.1usd per kw/h
Transformer loss(3%)			11.25W	3W	13.5W	5.4W	
Power Factor			0.7	0.99	0.7	0.99	
Subtotal Lamp's Power Consumption			755W	184W	906W	218W	3)presume: labour charge: 0.3usd/time for each replacement.
Daily Energy Consumption(kw/h)			7.55kw/h	1.84kw/h	9.06kw/h	2.18kw/h	
Energy consumption per years (kw/h)			2755.8KW/h	671.6KW/h	3306.9KW/h	795.7KW/h	
Electric charge for one year(usd)			275.58	87.16	330.69	79.57	4) unit price for light source just for reference
Electric charge for ten years(usd)			2755.8	671.6	3306.9	795.7	
Life span(hours)			3000	50000	3000	50000	
Repalce times for ten years(times)			12	no need to replace	12	no need to replace	
Unit price of Light source(usd)			45		54		
Labour Cost(usd)			3.6		3.6		
Maintenance cost for ten years(usd)			543.6		651.6		
Expected Consumption cost for ten years(usd)			3299.4	671.6	3958.5	795.7	
Saving consumption cost for ten years(usd) If replace for LED lamps				2627.8		3162.8	

Item	Light Source		HPS lamp	LED lamp	HPS lamp	LED lamp	Remark
Energy consumption for the same luminous efficiency			500W	200W	1000W	400W	1) Total 36500 hours in 10 years.10 hours/day
Electical Distibution			Rectifier	Driver	Rectifier	Driver	
			160W	20W	320W	60W	
Comprehensive Cable loss(6%)			30W	12W	60W	24W	2) presume: 0.1usd per kw/h
Transformer loss(3%)			15W	6W	30W	12W	
Power Factor			0.7	0.99	0.7	0.99	
Subtotal Lamp's Power Consumption			1007W	240W	2014W	501W	3)presume: labour charge: 0.3usd/time for each replacement.
Daily Energy Consumption(kw/h)			10.07kw/h	2.4kw/h	20.14kw/h	5.01kw/h	
Energy consumption per years (kw/h)			3675.6KW/h	876KW/h	7351.1KW/h	1828.7KW/h	
Electric charge for one year(usd)			367.56	87.6	735.11	182.87	4) unit price for light source just for reference
Electric charge for ten years(usd)			3675.6	876	7351.1	1828.7	
Life span(hours)			3000	50000	3000	50000	
Repalce times for ten years(times)			12	no need to replace	12	no need to replace	
Unit price of Light source(usd)			60		120		
Labour Cost(usd)			3.6		3.6		
Maintenance cost for ten years(usd)			723.6		1443.6		
Expected Consumption cost for ten years(usd)			4399.2	876	8794.7	1828.7	
Saving consumption cost for ten years(usd) If replace for LED lamps				3523.2		6966	



Features

Automatically adapt the input voltage range: 12/24V DC;

Source: LED

Power: 30W/60W

Flux: the equivalent 75W/150W ordinary high-pressure sodium lamp

Color temperature: 3000K-5000K

Signal controller: used efficiency controllers

Constant current LED drivers: 20mA

Constant-current drive efficiency: 80%-85%

Timing control: 4-12 hours adjustable

Lighting control: 1-9 adjustable

Full power to work for more than three days

Adaptation temperature: -40°C~85°C

The wind factor: 30M/S

Lifetime: 50,000hours

Apply height: 4m-8m

The solar street lights are widely used in such places as urban squares, attractions parks, residential quarters, university campus and factory areas and pedestrian streets for lighting and decoration, which in various in forms, beautiful and elegant in appearance, easy in installation and maintenance, without the need for laying of underground cables, no need for paying electricity fee for lighting, stable and reliable in working, without need for management, long in service life and energy-saving, thus making them the ideal road and landscape lighting lamps and agree renewable energy product recommended strongly in the society today.



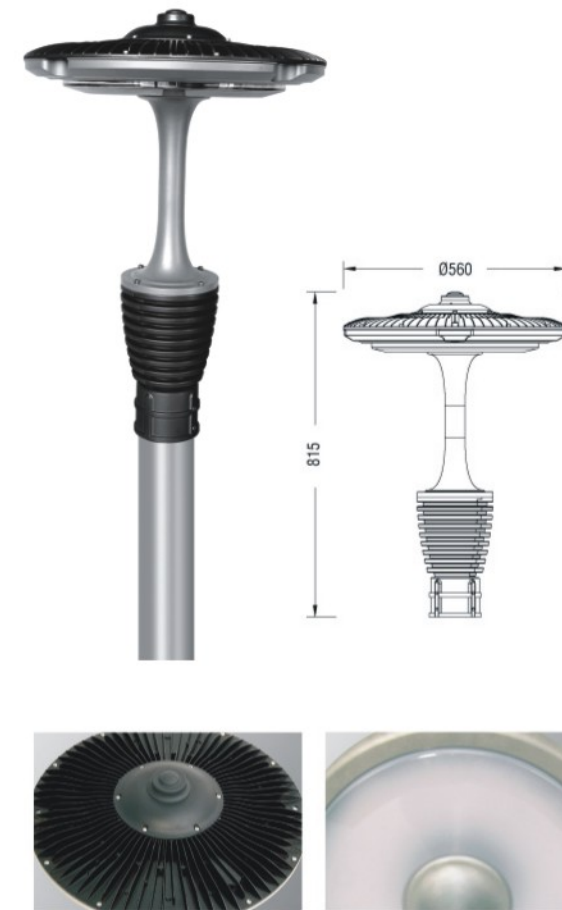
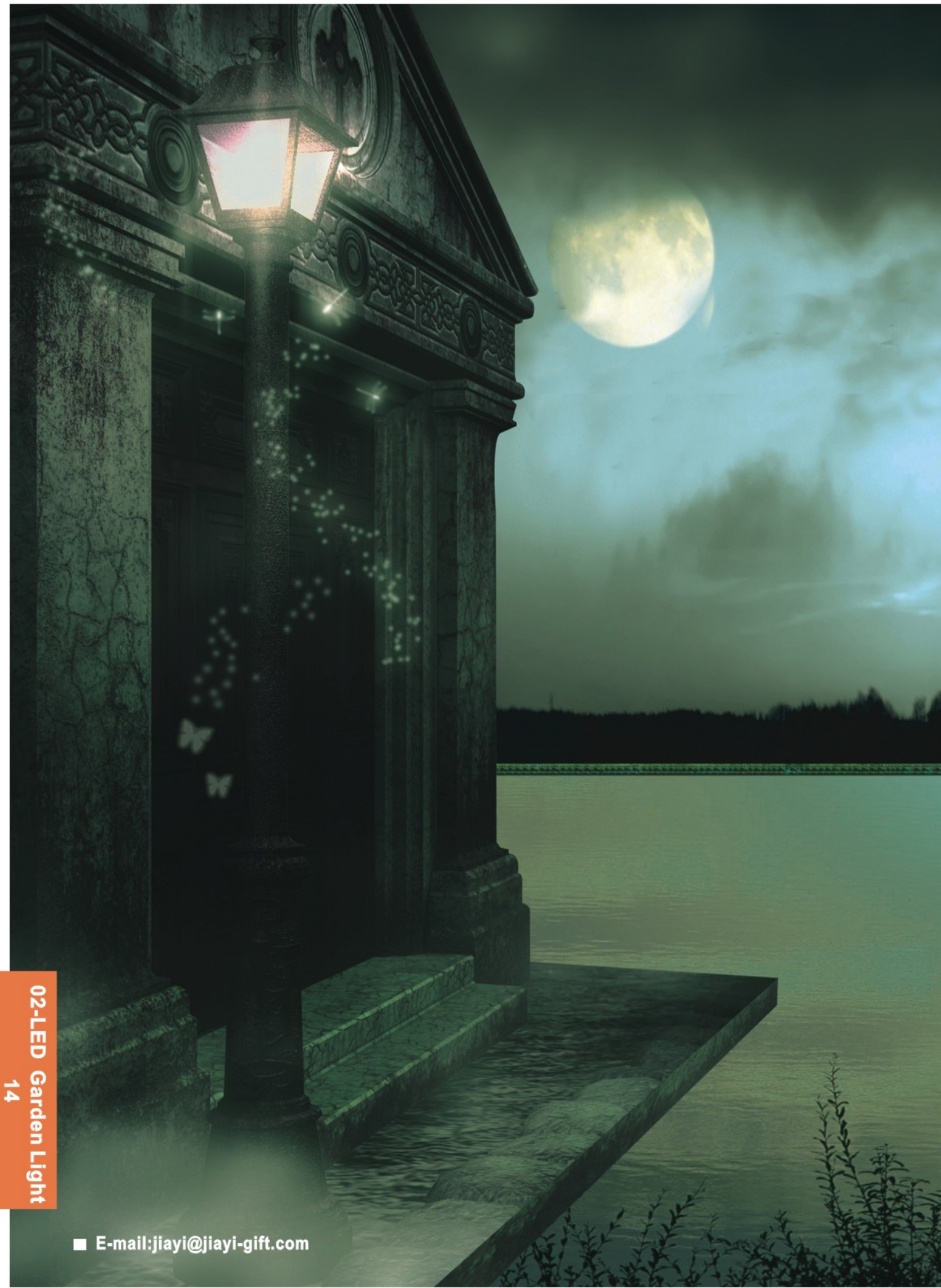
Item	Specification	Quantity	Remark
Street lamp	1*30W LED	1	lifespan:50,000hrs
Solar panel	2*60WP/17.5V	2	polycrystalline silicon panel
Battery	100AH/12V	2	maintenance-free lead-acid battery
Pole	4.5m	1	galvanization, coat
Controller	10A/24V	1	multi-protection function, overcharge/
Bracket, box for controller&battery		1	over discharge protection



Item	Specification	Quantity	Remark
Street lamp	1*60W LED	1	lifespan:50,000hrs
Solar panel	2*130WP/17.5V	2	polycrystalline silicon panel
Battery	150AH/12V	2	maintenance-free lead-acid battery
Pole	6m	1	galvanization, coat
Controller	10A/24V	1	multi-protection function, overcharge/
Bracket, box for controller&battery		1	over discharge protection

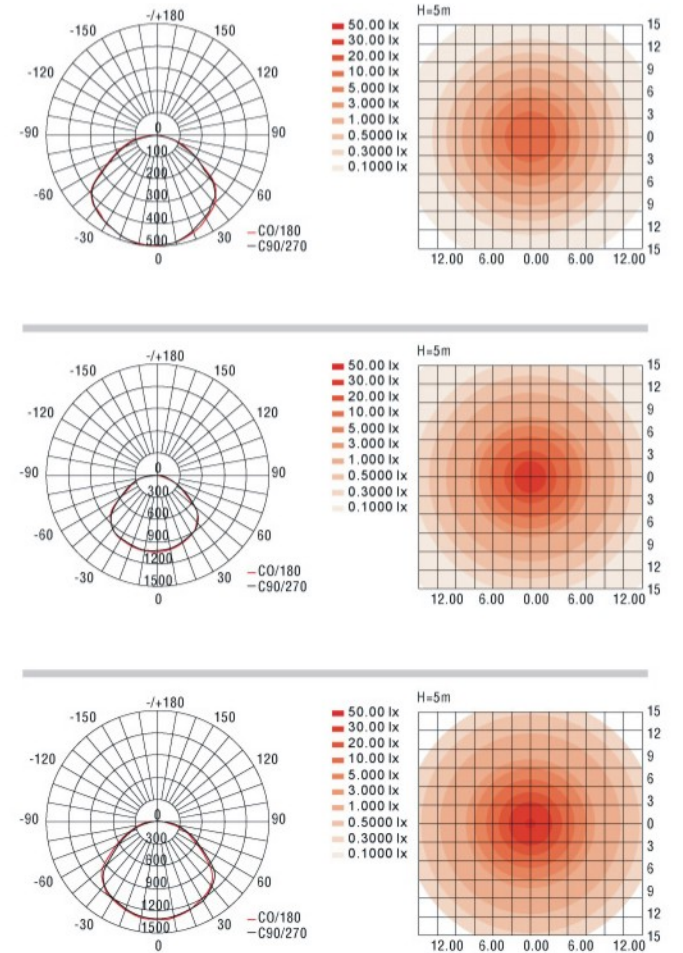
Comparison Chart for 30w&60W Solar LED light with 70W Solar HPS Lamp

Item	Light Source	HPS lamp	LED lamp	LED lamp	Remark
Lamp		70W	30W	60W	1) Working time: 8 hours/day -Continuous 5 cloudy and rainy days -Sunshine time: 6 hours/day
Working voltage		24V DC	24V DC	24V DC	
Daily working time		8	8	8	
Modules		2*150Wp	2*60Wp	2*130WP	2)Unit price for contr- oller just for reference
Controller		10A/24V	10A/24V	10A/24V	
Controller	Replace times for ten years(times)	1	1	1	
Controller	Price(usd)	30	30	30	
Controller	Labour Cost(usd)	0.3	0.3	0.3	3)Unit price for battery just for reference
Controller	Maintenance cost for ten years(usd)	30.3	30.3	30.3	
Batteries		2*150Ah/12V	2*100Ah/12V	2*150Ah/12V	
Batteries	Life span(hours)	10000	10000	10000	
Batteries	Replace times for ten years(times)	3	3	3	4)Presume: labour charge: 0.3usd/time for each replacement
Batteries	price(usd)	300	120	300	
Batteries	Labour Cost(usd)	0.9	0.9	0.9	
Batteries	Maintenance cost for ten years(usd)	900	360	900	
Lamp	Life span(hours)	3000	50000	50000	5)Unit price for light source just for reference
Lamp	Replace times for ten years(times)	12	no need	no need	
Lamp	Unit price for Light source(usd)	9	to replace	to replace	
Lamp	Labour Cost(usd)	3.6			
Lamp	Maintenance cost for ten years(usd)	112			
Expected consumption cost for ten years(usd)		1042.3	390.3	930.3	
Saving consumption cost for ten years(usd)			652	112	

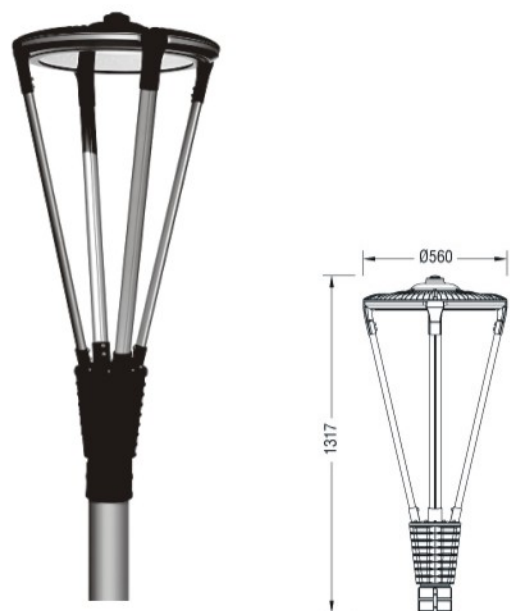


1. Owned patent,advanced technological garden light.
2. Fashionable and modern design makes the light a nice look.
3. Main structure made by die-casting aluminum,covered by anti-corrosion materials,optical PC materials.
4. 1W high power LED used.

Light Distribution Curve

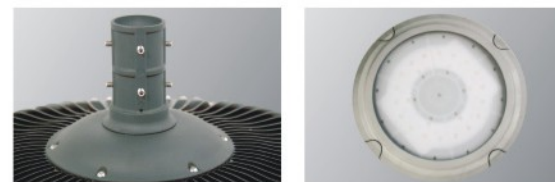
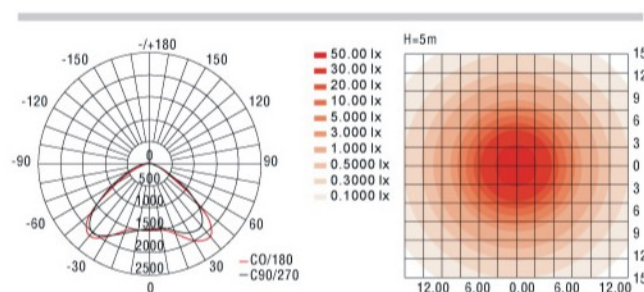
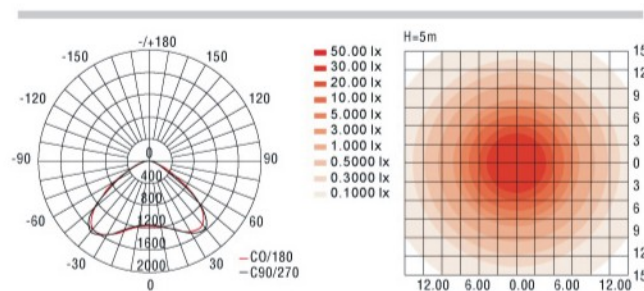
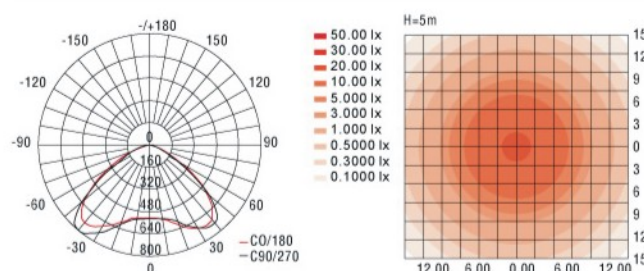


Model	JY-GL-001A-1	JY-GL-001A-2	JY-GL-001A-3
LED Qty.	24pcs	54pcs	72pcs
Rated Power	29W	68W	84W
Input Voltage	AC100-277V	AC100-277V	AC100-277V
Frequency Range	50/60Hz	50/60Hz	50/60Hz
Power Factor	> 0.9	> 0.9	> 0.9
THD	< 15%	< 15%	< 15%
CCT	6500/4500/3200(K)	6500/4500/3200(K)	6500/4500/3200(K)
CRI	> 70	> 70	> 70
Luminous Flux	1529/1426/1147(lm)	3316/3102/2568(lm)	4155/3870/3206(lm)
Working Temperature	-25°C-50°C	-25°C-50°C	-25°C-50°C
Working Humidity	10%~90%	10%~90%	10%~90%
Life	> 30000H	> 30000H	> 30000H
Protection Grade	IP65	IP65	IP65
Installation Pipe Diameter	φ 114mm	φ 114mm	φ 114mm
Light pole flange size	4-M16*320mm	4-M16*320mm	4-M16*320mm
Weight(kg)	13.8	14	14.2
Gross(kg)	15.3	15.5	15.7
Packing Size(mm)	630*630*605	630*630*605	630*630*605



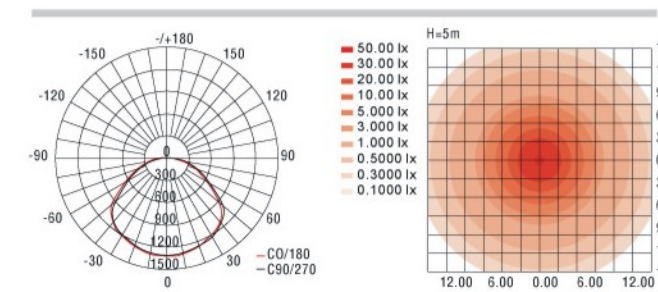
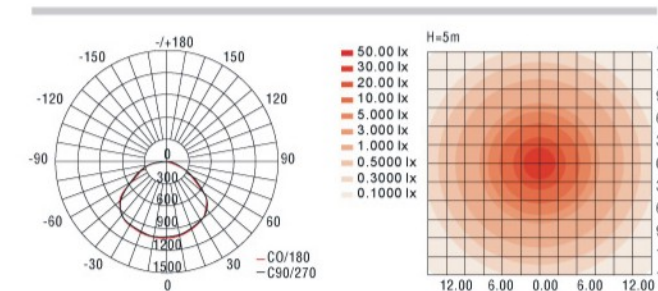
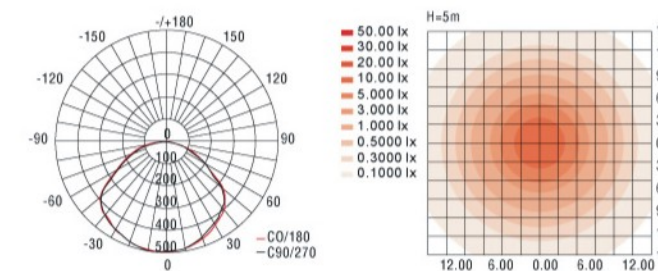
1. Owned patent, advanced technological garden light.
2. Fashionable and modern design makes the light a nice look.
3. Light body adopts die-cast aluminum, surface with plastic-spray treatment, and the diffuser is made from no-glare toughened glass which makes the light anti-high temperature, anti-ageing, anti-UV available.
4. 1W high power LED used.

Light Distribution Curve



1. Owned patent, advanced technological garden light.
2. Fashionable and modern design makes the light a nice look.
3. Light body adopts die-cast aluminum, surface with plastic-spray treatment, and the diffuser is made from no-glare toughened glass which makes the light anti-high temperature, anti-ageing, anti-UV available.
4. 1W high power LED used.

Light Distribution Curve



Model	JY-GL-002A-1	JY-GL-002A-2	JY-GL-002A-3
LED Qty.	24pcs	54pcs	72pcs
Rated Power	29W	68W	84W
Input Voltage	AC100-277V	AC100-277V	AC100-277V
Frequency Range	50/60Hz	50/60Hz	50/60Hz
Power Factor	> 0.9	> 0.9	> 0.9
THD	< 15%	< 15%	< 15%
CCT	6500/4500/3200(K)	6500/4500/3200(K)	6500/4500/3200(K)
CRI	> 70	> 70	> 70
Luminous Flux	2104/1988/1642(lm)	4567/4234/3548(lm)	5705/5244/4310(lm)
Working Temperature	-25°C~50°C	-25°C~50°C	-25°C~50°C
Working Humidity	10%~90%	10%~90%	10%~90%
Life	> 30000H	> 30000H	> 30000H
Protection Grade	IP65	IP65	IP65
Installation Pipe Diameter	φ 114mm	φ 114mm	φ 114mm
Light pole flange size	4-M16*320mm	4-M16*320mm	4-M16*320mm
Weight(kg)	15.1	15.3	15.6
Gross(kg)	17.2	17.4	17.6
Packing Size(mm)	935*630*305	935*630*305	935*630*305

Model	JY-GL-003A-1	JY-GL-003A-2	JY-GL-003A-3
LED Qty.	24pcs	54pcs	72pcs
Rated Power	29W	68W	84W
Input Voltage	AC100-277V	AC100-277V	AC100-277V
Frequency Range	50/60Hz	50/60Hz	50/60Hz
Power Factor	> 0.9	> 0.9	> 0.9
THD	< 15%	< 15%	< 15%
CCT	6500/4500/3200(K)	6500/4500/3200(K)	6500/4500/3200(K)
CRI	> 70	> 70	> 70
Luminous Flux	2104/1988/1642(lm)	4567/4234/3548(lm)	5705/5244/4310(lm)
Working Temperature	-25°C~50°C	-25°C~50°C	-25°C~50°C
Working Humidity	10%~90%	10%~90%	10%~90%
Life	> 30000H	> 30000H	> 30000H
Protection Grade	IP65	IP65	IP65
Installation Pipe Diameter	φ 48mm	φ 48mm	φ 48mm
Light pole flange size	4-M16*320mm	4-M16*320mm	4-M16*320mm
Weight(kg)	10.8	11.2	11.5
Gross(kg)	12	12.2	12.4
Packing Size(mm)	630*620*355	630*620*355	630*620*355



Features:
 Use powerful LED (40-70W) as the light source, using our proprietary LED encapsulation.
 High heat conductivity, low luminous decay, pure light color, and no ghosting.
 Excellent heat dissipation. 50,000 hours life-span for the LED.
 IP65 Protection.
 High luminous flux. Energy-saving.
 No delay start; no waiting.
 CRI>80.
 Environment friendly and no air pollution.
 No ill glare; no abrupt and frequent flashes.

Applications:
 Tunnel, underground passage, railway, underground parking places,
 and areas where need lighting.



JY-TG 175W

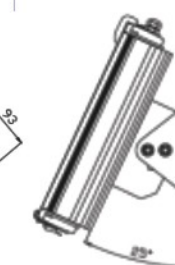
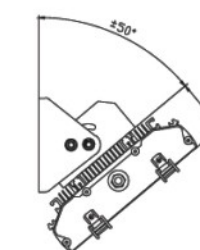
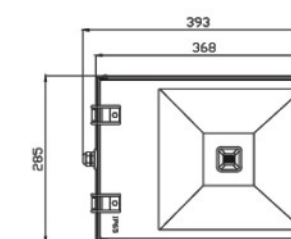
Model	Power	Working Voltage	LED Luminous Efficiency	Luminous Flux(lm)	CCT	Beam Angle	PF	N.W(kg)
JY-TG175	175W	AC 85V~265V DC 12V 24V 36V	100lm/W	14000	2700~7000K	75°	>0.9	14



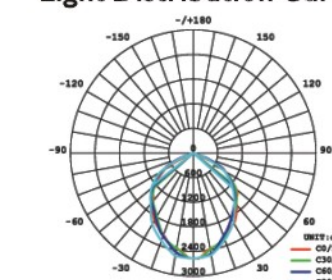
JY-TG (30W-60W)

Working Characteristics

Power	30W-60W
Input Voltage	AC85V-265V DC12V/24V/36V
LED Lighting Efficiency	80-110lm/W
Working Temperature	-40℃-55℃
Color Temperature	2700K-7000K
Color Rendering Index	>70
Life Span	50,000 hrs
Weight	7.39kgs
Material	Al, Glass
IP Protection	Ip65



Light Distribution Curve



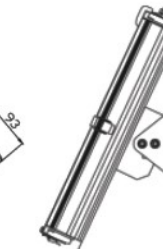
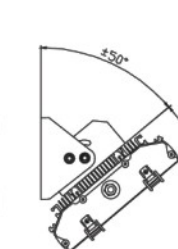
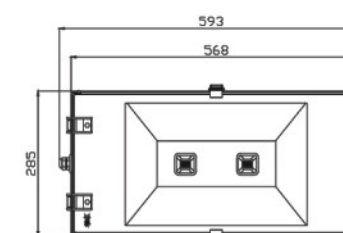
Model	Power	Working Voltage	LED Luminous Efficiency	Luminous Flux(lm)	CCT	Beam Angle	PF	N.W(kg)
JY-TG30	30W	AC 85V~265V DC 12V 24V 36V	100lm/W	2400	2700~7000K	75°	>0.9	7.39
JY-TG40	40W	AC 85V~265V DC 12V 24V 36V	100lm/W	3200	2700~7000K	75°	>0.9	7.39
JY-TG50	50W	AC 85V~265V DC 12V 24V 36V	100lm/W	4000	2700~7000K	75°	>0.9	7.39
JY-TG60	60W	AC 85V~265V DC 12V 24V 36V	100lm/W	4800	2700~7000K	75°	>0.9	7.39



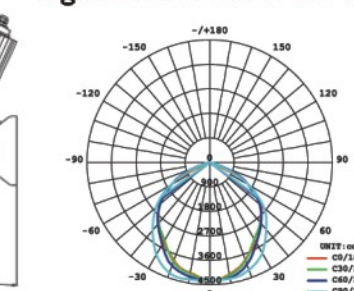
JY-TG (80W-140W)

Working Parameters

Power	80W-140W
Input Voltage	AC85V-265V DC12V/24V/36V
LED Lighting Efficiency	80-110lm/W
Working Temperature	-40℃-55℃
Color Temperature	2700K-7000K
Color Rendering Index	>70
Life Span	50,000 hrs
Weight	10.6kgs
Material	Al, Glass
IP Protection	Ip65



Light Distribution Curve



Model	Power	Working Voltage	LED Luminous Efficiency	Luminous Flux(lm)	CCT	Beam Angle	PF	N.W(kg)
JY-TG80	80W	AC 85V~265V DC 12V 24V 36V	100lm/W	6400	2700~7000K	75°	>0.9	10.6
JY-TG100	100W	AC 85V~265V DC 12V 24V 36V	100lm/W	8000	2700~7000K	75°	>0.9	10.6
JY-TG140	140W	AC 85V~265V DC 12V 24V 36V	100lm/W	11200	2700~7000K	75°	>0.9	10.6

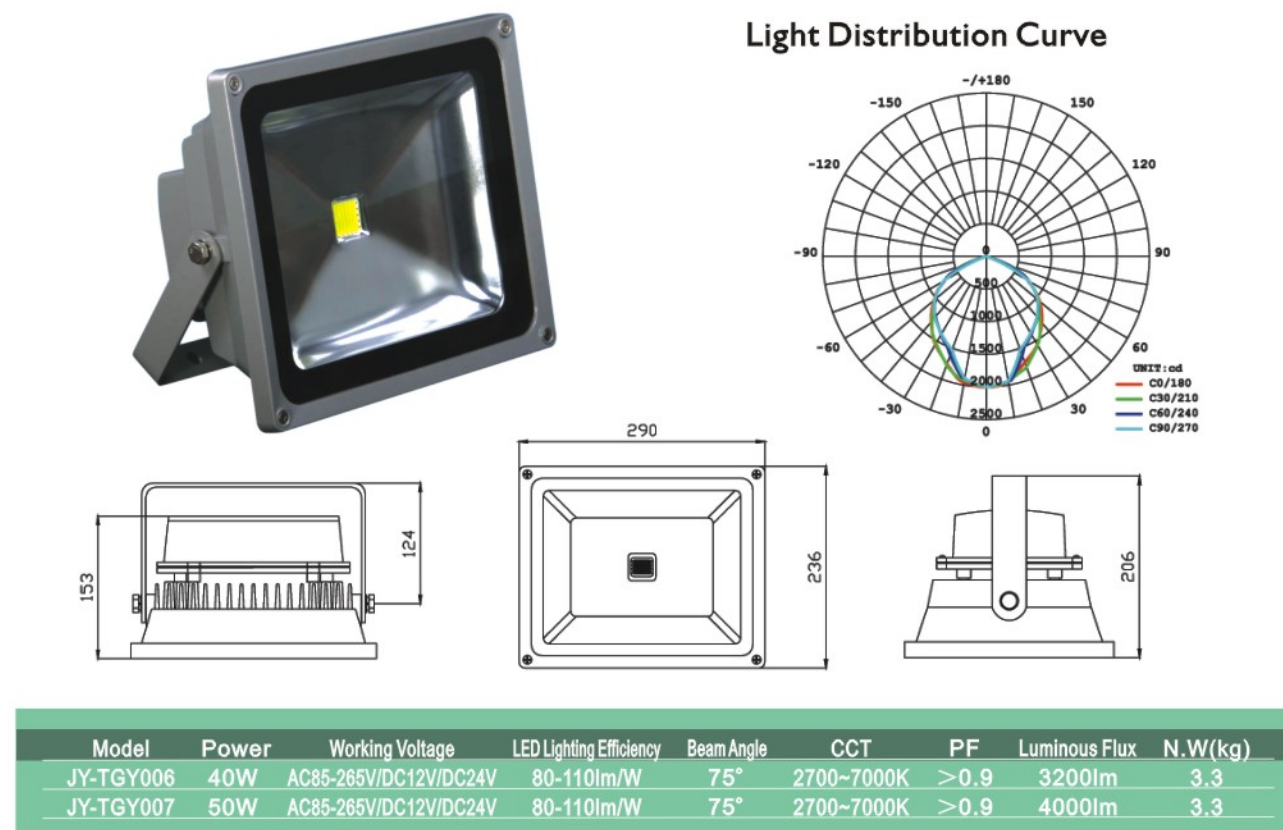
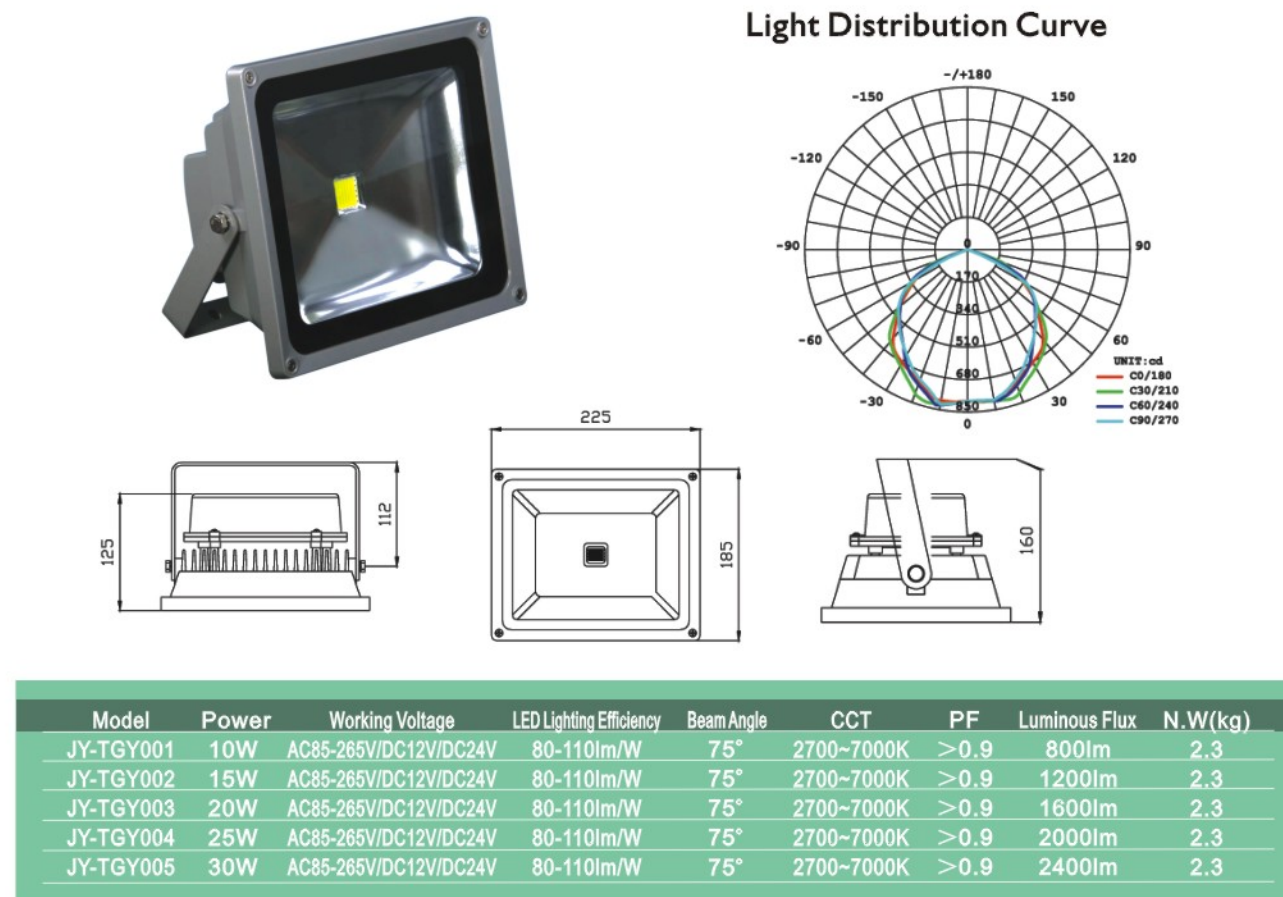


Features:

1. With the independent intellectual properties in design, fashionable and modern appearance, making the lamps to be an artwork and perfectly combined with the environment.
2. The lamp adopts the high-pressure die-casting aluminum material. Surface treated with electrostatic plasticsprayed in order to anti-aging, Self-cleaning and corrosion-resistance.
3. The diffuser is made of toughened glass, impact resistance.
4. The color of light beam is stability when the color changed.
5. It is designed in several angles. meeting different environment.
6. Life span can reach 50,000hrs

Application : the surface of the building , square, leisure sports ground, billboard.

■ E-mail:jiayi@jiayi-gift.com

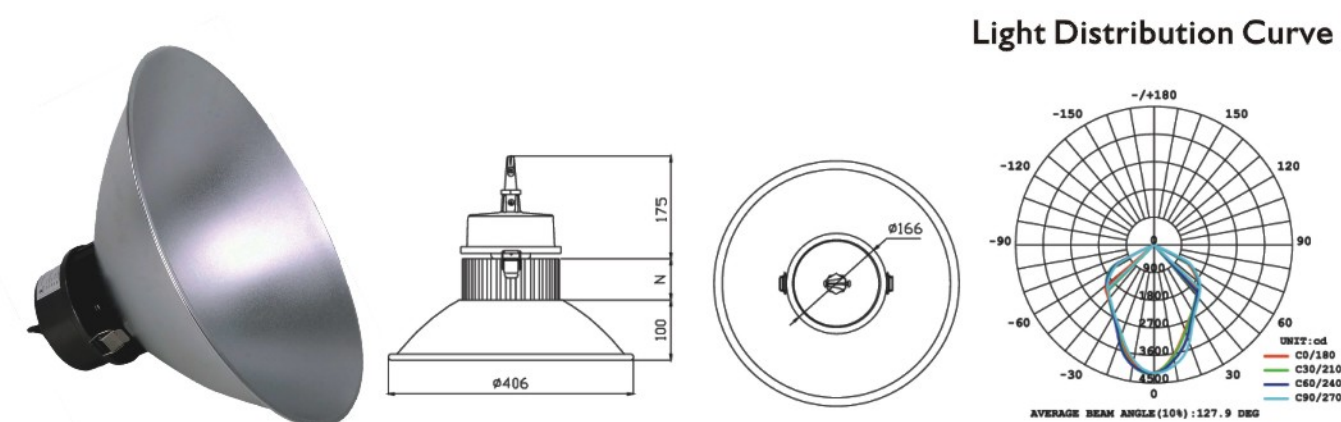


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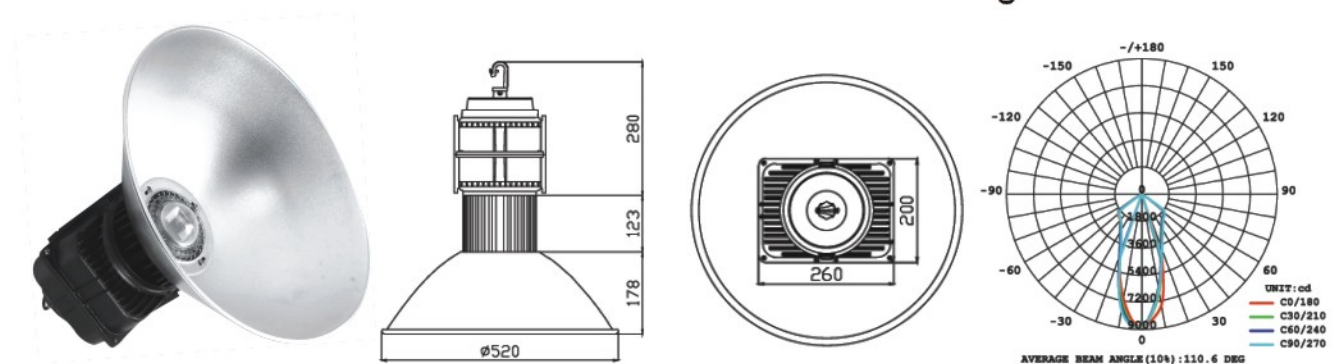
■ www.nbgreenergy.com



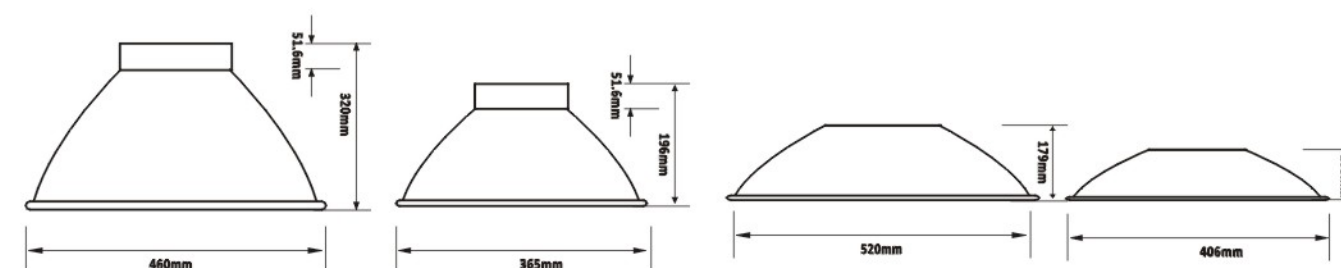
Widely used in commercial and residential applications, for instance: gardens, stadiums, tourist areas, stage, building and so on.
 Input Voltage: AC 90V~260V, DC 12V/24V
 Beam Angle: 30/45/60 degree
 Protection rating: IP65
 Material: Aluminium + PC
 Chasing Change: Colors chase one and another
 Circulation Function: Single color circulates regularly



Model	Power	Input Voltage	Beam Angle	CCT	PF	Luminous Flux
JY-HB-A030	30W	AC85~265V DC12V/24V	140°	2700~7000K	>0.9	2,400lm
JY-HB-A040	40W	AC85~265V DC12V/24V	140°	2700~7000K	>0.9	3,200lm



Model	Power	Input Voltage	Beam Angle	CCT	PF	Luminous Flux
JY-HB-A050	50W	AC85~265V DC12V/24V	60°/100°	2700~7000K	>0.9	4,000lm
JY-HB-A060	60W	AC85~265V DC12V/24V	60°/100°	2700~7000K	>0.9	4,800lm
JY-HB-A070	70W	AC85~265V DC12V/24V	60°/100°	2700~7000K	>0.9	5,600lm
JY-HB-A100	100W	AC85~265V DC12V/24V	60°/100°	2700~7000K	>0.9	9,000lm



Different dimensions of reflectors

Features
 Use powerful LED(10-70W) as the light source, using our proprietary LED encapsulation
 High heat conductivity, low luminous decay, pure light color, and no ghosting
 Excellent heat dissipation, 50,000 hours life-span for the LED
 IP65 Protection
 High luminous flux, Energy-saving
 No delay start, no waiting
 CRI>80
 Environment friendly and no air pollution
 No ill glare, no abrupt and frequent flashes
 Application: workshop, warehouse, gas station, super-market and stadium



Widely used in commercial and residential applications, for instance: gardens, stadiums, tourist areas, stage, building and so on.

Input Voltage: AC 90V~260V, DC 12V/24V

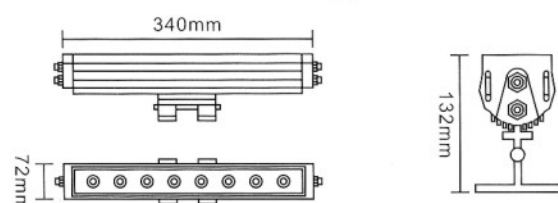
Beam Angle: 30/45/60 degree

Protection rating: IP65

Material: Aluminium + PC

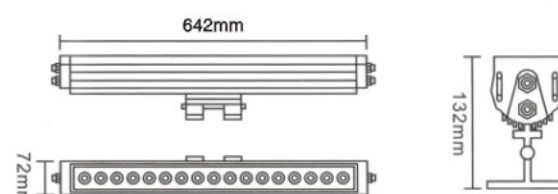
Chasing Change: Colors chase one and another

Circulation Function: Single color circulates regularly



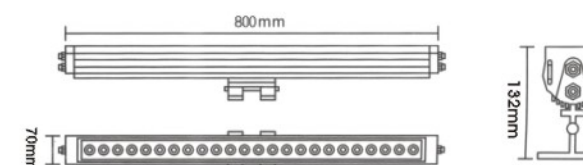
JY-WWL-A001

Voltage	AC90-260V
Beam angle	30° /45° /60°
Material	Aluminum
IP rate	IP65
Power	9W, 9pcs LEDs
Size	340*72*132mm
Color	red,blue,white,green,RGB



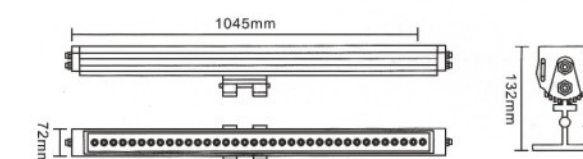
JY-WWL-A002

Voltage	AC90-260V
Beam angle	30° /45° /60°
Material	Aluminum
IP rate	IP65
Power	18W, 18pcs LEDs
Size	642*72*132mm
Color	red,blue,white,green,RGB



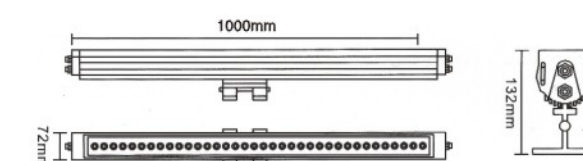
JY-WWL-A003

Voltage	AC90-260V
Beam angle	30° /45° /60°
Material	Aluminum
IP rate	IP65
Power	21W, 21pcs LEDs
Size	800*70*132mm
Color	red,blue,white,green,RGB



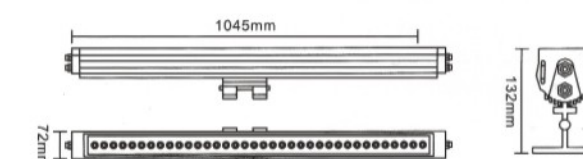
JY-WWL-A004

Voltage	AC90-260V
Beam angle	30° /45° /60°
Material	Aluminum
IP rate	IP65
Power	24W, 24pcs LEDs
Size	1045*72*132mm
Color	red,blue,white,green,RGB



JY-WWL-A005

Voltage	AC90-260V
Beam angle	30° /45° /60°
Material	Aluminum
IP rate	IP65
Power	30W, 30pcs LEDs
Size	1000*72*132mm
Color	red,blue,white,green,RGB



JY-WWL-A006

Voltage	AC90-260V
Beam angle	30° /45° /60°
Material	Aluminum
IP rate	IP65
Power	36W, 36pcs LEDs
Size	1045*72*132mm
Color	red,blue,white,green,RGB

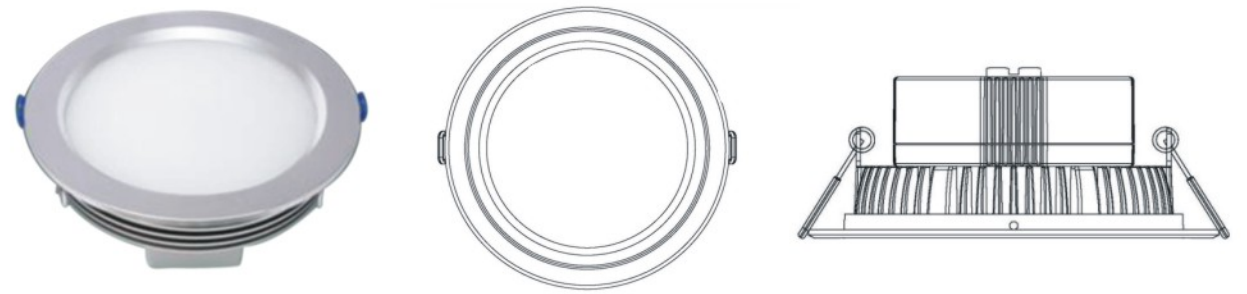


Features:

1. High purity aluminium;
2. Reflector and heat body;
3. Single powerful LED light Source;
4. High efficiency imported LED driver.

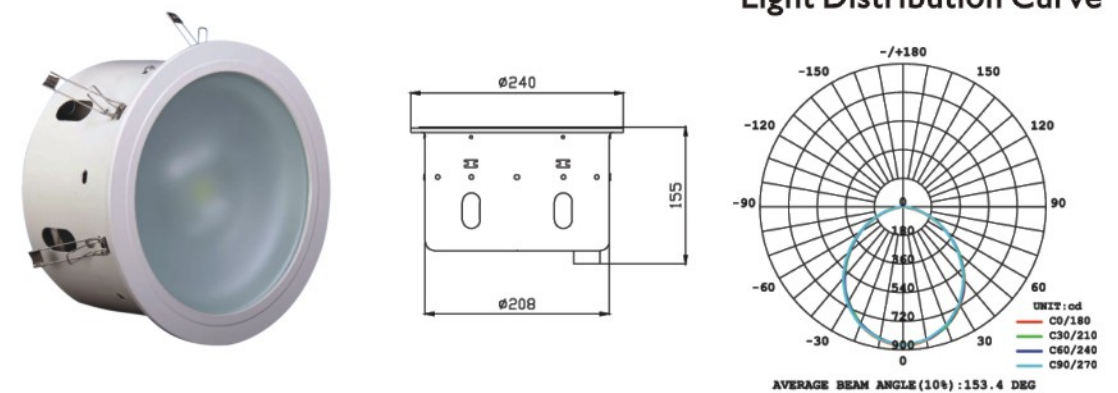
Application: Entrances, show centers, stores and other general lighting or partial lighting; markets, banks, hospitals, restaurants, hotels and other public lighting.

■ E-mail:jiayi@jiayi-gift.com



Model	Power	Led chip	Input Voltage	Luminous Flux	Cut-out Diameter	CCT	Item size
JY-DL-001-5 (3.5 Inch)	5W	SMD3528 72PCS	AC85-265V 50/60Hz	350LM±50LM	100mm	3000K-4500K	Φ120mmxH51
JY-DL-004-08 (4 Inch)	8W	SMD3528 108PCS	AC85-265V 50/60Hz	500LM±50LM	125mm	3000K-6500K	Φ150mmxH64
JY-DL-005-10 (5 Inch)	10W	SMD3528 132PCS	AC85-265V 50/60Hz	600LM±50LM	158mm	3000K-6500K	Φ180mmxH64
JY-DL-006-14 (6 Inch)	14W	SMD3528 192PCS	AC85-265V 50/60Hz	800LM±50LM	167mm	3000K-6500K	Φ190mmxH88
JY-DL-006-18 (6 Inch)	18W	SMD3528 252PCS	AC85-265V 50/60Hz	1000LM±50LM	167mm	3000K-6500K	Φ190mmxH88
JY-DL-008-20 (8 Inch)	20W	SMD3528 276PCS	AC85-265V 50/60Hz	1300LM±50LM	196mm	3000K-6500K	Φ230mmxH110
JY-DL-008-26 (8 Inch)	26W	SMD3528 348PCS	AC85-265V 50/60Hz	1500LM±50LM	196mm	3000K-6500K	Φ230mmxH110
JY-DL-008-30 (8 Inch)	30W	SMD3528 408PCS	AC85-265V 50/60Hz	1800LM±50LM	196mm	3000K-6500K	Φ230mmxH110

Light Distribution Curve



Model	Power	Input Voltage	Luminous Flux	Cut-out Diameter	CCT	Beam Angle
JY-DL-004	10W	AC85~265V	800lm	240mm	3000K-6000K	15~60°
JY-DL-004A1	20W	AC85~265V	1600lm	240mm	3000K-6000K	15~60°
JY-DL-004A2	30W	AC85~265V	2400lm	240mm	3000K-6000K	15~60°
JY-DL-004A3	40W	AC85~265V	3200lm	240mm	3000K-6000K	15~60°

Light Distribution Curve



Model	Power	Input Voltage	Luminous Flux	Cut-out Diameter	CCT	Beam Angle
JY-DL-005	10W	AC85~265V	700lm	120mm	3000K-6000K	15~60°
JY-DL-005A1	20W	AC85~265V	1400lm	150mm	3000K-6000K	15~60°
JY-DL-005A2	30W	AC85~265V	2100lm	190mm	3000K-6000K	15~60°

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■ www.nbgreenenergy.com



Comparison Charts for LED Downlights and Incandescent Lamps

Item	Light Source	15W Incandescent Lamp	3*1W LED Downlight	25W Incandescent Lamp	6*1W led Downlight
Lumen output		150 lumens	240lumens	250 lumens	582 lumens
Power		15W	3W	25W	6W
Power consumption per year @ 12 hours per day		65.7kw/h	13.14kw/h	109.5kw/h	26.28kw/h
Power saved per year		/	80%	/	76%
Power cost per year, based on \$0.18 per kw/h		\$11.83	\$2.37	\$19.71	\$4.73

Item	Light Source	40W Incandescent Lamp	3*1W LED Downlight	60W Incandescent Lamp	12*1W led Downlight
Lumen output		400 lumens	855 lumens	600 lumens	1140 lumens
Power		40W	9W	60W	12W
Power consumption per year @ 12 hours per day		175.2kw/h	39.42kw/h	262.8kw/h	52.56kw/h
Power saved per year		/	77%	/	80%
Power cost per year, based on \$0.18 per kw/h		\$31.54	\$7.10	\$47.3	\$9.46

Item	Light Source	100W Incandescent Lamp	15*1W LED Downlight	150W Incandescent Lamp	18*1W led Downlight
Lumen output		1000 lumens	1425 lumens	1500 lumens	1710 lumens
Power		100W	15W	150W	18W
Power consumption per year @ 12 hours per day		438kw/h	65.7kw/h	657kw/h	78.84kw/h
Power saved per year		/	85%	/	88%
Power cost per year, based on \$0.18 per kw/h		\$78.84	\$11.83	\$118.26	\$14.19

Note: The above results are calculated at 12 hours usage per day, 365 days per year and \$0.18 per kWh. The capital costs and maintenance costs which will make potential savings even greater over the lifetime of LED Downlights are not included in the above comparison sheets.



Features:

Aluminum frame , back board, surface support, corner and clip edge;
High light transmission;
Milk-white acrylic boards.

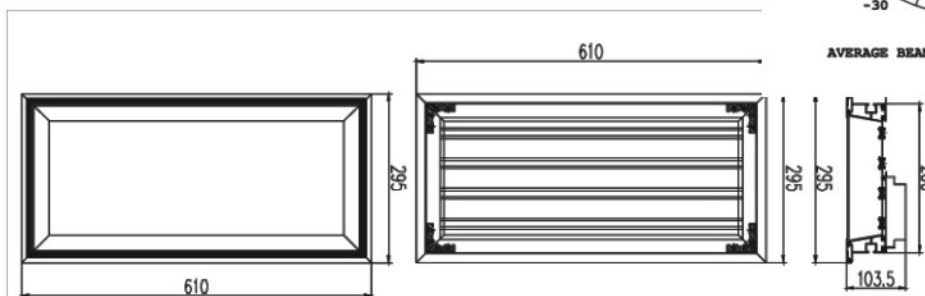
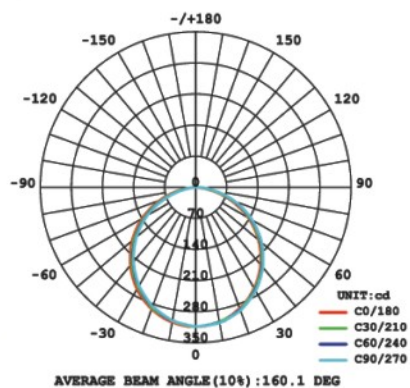
Application: Offices, show centers, stores and other general lighting or partial lighting;markets, banks, hospitals,restaurants,hotels and pubilc lighting.

Use and Installation:

Fix the LED grille light on top of structure first, and then connect according to the marks on power terminals,After ensuring everything is ready,switch on the powerful supply, and the grille light can work properly.



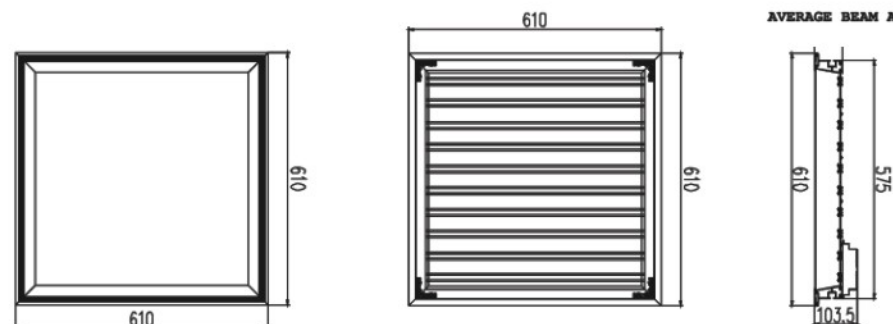
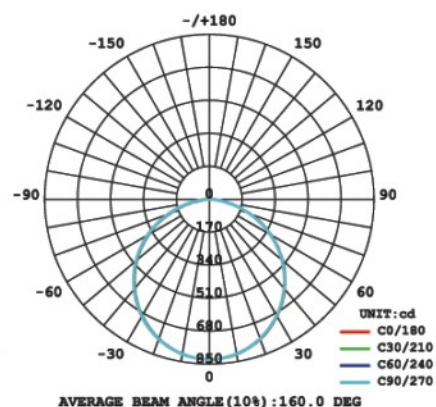
Light Distribution Curve



Model	Power	Input Voltage	LED Type	Luminous Flux	CCT	Size
JY-PL-001	10W	AC85~265V DC12V/DC24V	40PCS SMD3528	650lm	2700~6500K	295*610*68mm
JY-PL-001A1	20W	AC85~265V DC12V/DC24V	40PCS SMD3528	1300lm	2700~6500K	295*610*68mm
JY-PL-001A2	30W	AC85~265V DC12V/DC24V	40PCS SMD3528	1950lm	2700~6500K	295*610*68mm



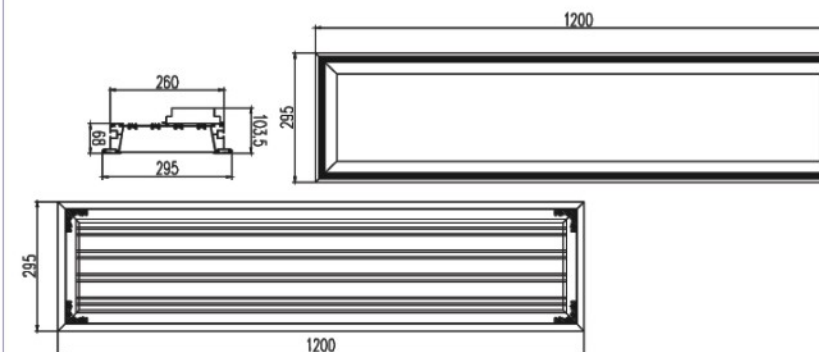
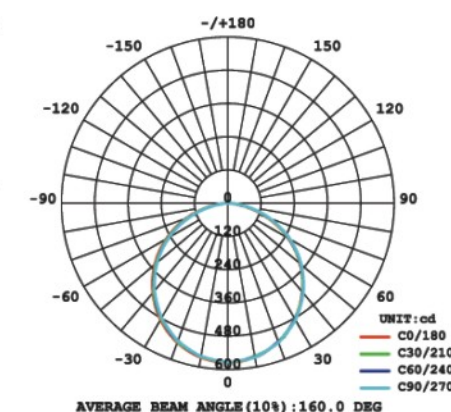
Light Distribution Curve



Model	Power	Input Voltage	LED Type	Luminous Flux	CCT	Size
JY-PL-002	30W	AC85~265V DC12V/DC24V	100PCS SMD3528	1950lm	2700~6500K	610*610*68mm
JY-PL-002A	50W	AC85~265V DC12V/DC24V	100PCS SMD3528	3200lm	2700~6500K	610*610*68mm



Light Distribution Curve



Model	Power	Input Voltage	LED Type	Luminous Flux	CCT	Size
JY-PL-003	30W	AC85~265V DC12V/DC24V	80PCS SMD3528	1950lm	2700~6500K	295*1200*68mm
JY-PL-003A	40W	AC85~265V DC12V/DC24V	80PCS SMD3528	3200lm	2700~6500K	295*1200*68mm



Features

Use imported high quality raw materials, with high illuminated efficiency led chip, high quality aluminum alloy base plastic cover Rapid start, no glare, no stroboscopic, no noise. More comfortable and environmental protection high efficiency conversion.

The power consumption of LED tube is 1/3 less than traditional tube light, also the life span is 10 times more than traditional light, strong and safe, easy maintenance.

Applications: hotel, meeting room, offices, hospitals, schools. factories, shopping malls, super markets. display, backlight, home lighting and so on.

Installation:

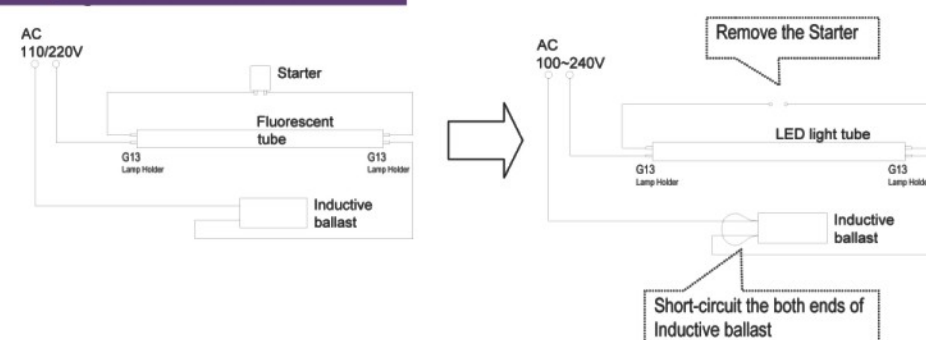
1. Please cut off primary circuit power before installment.
2. Take down the Starter and ballast.
3. LED Fluorescent Light could be connected to T8 bracket directly.



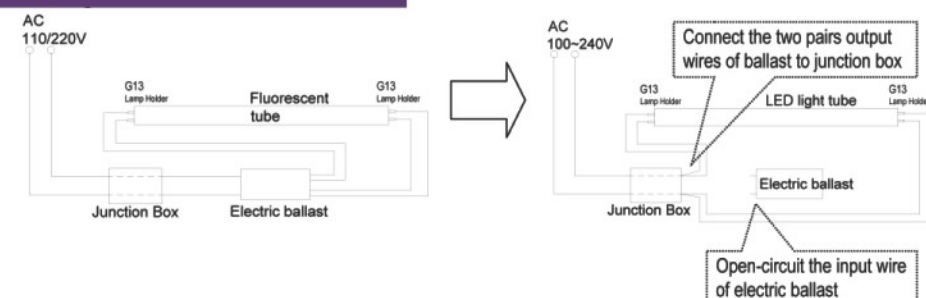
Model	Power	Input voltage	LED Qty.	Dimension(mm)	PF	Luminous flux	Tube Material	Equal to traditional tube
JY-T5B03	3W	AC85-265V, 50-60HZ	33pcs SMD 3528	Φ 16*342	>95	200/170±30lm	Al & Transparent/Frosted PC	5W
JY-T5B04	4W	AC85-265V, 50-60HZ	48pcs SMD 3528	Φ 16*342	>95	260/215±30lm	Al & Transparent/Frosted PC	8W
JY-T5B06	6W	AC85-265V, 50-60HZ	90pcs SMD 3528	Φ 16*574	>95	550/450±30lm	Al & Transparent/Frosted PC	9W
JY-T5B09	9W	AC85-265V, 50-60HZ	130pcs SMD 3528	Φ 16*874	>95	800/650±30lm	Al & Transparent/Frosted PC	14W
JY-T5B10	10W	AC85-265V, 50-60HZ	140pcs SMD3528	Φ 16*1174	>95	900/750±30lm	Al & Transparent/Frosted PC	20W
JY-T5B11	11W	AC85-265V, 50-60HZ	168pcs SMD3528	Φ 16*1174	>95	1000/850±30lm	Al & Transparent/Frosted PC	21W
JY-T5B14	14W	AC85-265V, 50-60HZ	192pcs SMD 3528	Φ 16*1174	>95	1100/870±30lm	Al & Transparent/Frosted PC	25W

How to mount the LED fluorescent tube light :

Lamp bracket of inductive ballast :



Lamp bracket of electronic ballast :



Model	Power	Input voltage	LED Qty.	Dimension(mm)	PF	Luminous flux	Tube Material	Equal to traditional tube
JY-T8S08	8W	AC85-265V, 50-60HZ	120pcs SMD 3528	Φ 30*602	>95	800±100lm	Al & Transparent/Frosted PC	20W
JY-T8S10	10W	AC85-265V, 50-60HZ	144pcs SMD 3528	Φ 30*602	>95	1000/850±100lm	Al & Transparent/Frosted PC	25/20W
JY-T8S14	14W	AC85-265V, 50-60HZ	200pcs SMD 3528	Φ 30*906	>95	1350/1150±100lm	Al & Transparent/Frosted PC	30/25W
JY-T8S16	16W	AC85-265V, 50-60HZ	240pcs SMD 3528	Φ 30*1212	>95	1550/1330±100lm	Al & Transparent/Frosted PC	35/30W
JY-T8S19	19W	AC85-265V, 50-60HZ	276pcs SMD 3528	Φ 30*1212	>95	1850/1550±100lm	Al & Transparent/Frosted PC	45/35W
JY-T8S21	21W	AC85-265V, 50-60HZ	312pcs SMD 3528	Φ 30*1212	>95	2050/1700±100lm	Al & Transparent/Frosted PC	50/40W
JY-T8S24	24W	AC85-265V, 50-60HZ	336pcs SMD 3528	Φ 30*1512	>95	2150/1850±100lm	Al & Transparent/Frosted PC	55/45W
JY-T8G10	10W	AC85-265V, 50-60HZ	88pcs SMD 3014	Φ 26*602	>95	1000/900±100lm	Al & Transparent/Frosted PC	25W
JY-T8G14	14W	AC85-265V, 50-60HZ	136pcs SMD 3014	Φ 26*906	>95	1500/1400±100lm	Al & Transparent/Frosted PC	35W
JY-T8G18	18W	AC85-265V, 50-60HZ	184pcs SMD 3014	Φ 26*1212	>95	1900/1800±100lm	Al & Transparent/Frosted PC	40W
JY-T8G23	23W	AC85-265V, 50-60HZ	216pcs SMD 3014	Φ 26*1512	>95	2300/2200±100lm	Al & Transparent/Frosted PC	60W



Model	Power	Work voltage	LED Type	Size	RF	Luminous flux	Tube material	Work temperature
JY-TRL09	9W	AC85-265V/50-60Hz	SMD 174pcs	170*30mm	>91%	715-800lm	Al&Transparent/Frosted PC	-40°C to 55°C
JY-TRL12	12W	AC85-265V/50-60Hz	SMD 192pcs	225*30mm	>91%	850-980lm	Al&Transparent/Frosted PC	-40°C to 55°C
JY-TRL16	16W	AC85-265V/50-60Hz	SMD 252pcs	300*30mm	>91%	1200-1380lm	Al&Transparent/Frosted PC	-40°C to 55°C

Comparison Charts for Greenergy LED Tube and Philips Fluorescent Tube

No.	Model	Size	Input Power	Output Power	Luminous Flux(lm)	Beam Angle	Luminosity	Shiled	Energy-saving ratio	Life span
1	Philips 18W	600mm	26W	18W	870lm	360°	1M=155lux 2M=40lux 3M=20lux	Glass	///	5,000 hrs
	JY-T8B08	600mm	8W	7W	650lm	170°	1M=210lux 2M=62lux 3M=27lux	transparent PC	62.90%	5,000 hrs
	JY-T8B10	600mm	10W	9W	700lm	170°	1M=187lux 2M=53lux 3M=26lux	Frost PC	61.50%	5,000 hrs
	Philips 30W	900mm	38W	30W	1650lm	360°	1M=250lux 2M=77lux 3M=36lux	Glass	///	5,000 hrs
	JY-T8B12	900mm	14W	12.5W	1100lm	170°	1M=342lux 2M=98lux 3M=46lux	transparent PC	63%	5,000 hrs
	JY-T8B12	900mm	14W	12.5W	950lm	170°	1M=246lux 2M=72lux 3M=33lux	Frost PC	63%	5,000 hrs
2	Philips36W	1200mm	44W	36W	2100lm	360°	1M=285lux 2M=80lux 3M=40lux	Glass	///	5,000 hrs
	JY-T8B15	1200mm	16W	14W	1350lm	170°	1M=315lux 2M=105lux 3M=56lux	transparent PC	63.60%	5,000 hrs
	JY-T8B18	1200mm	19W	17W	1350lm	170°	1M=295lux 2M=93lux 3M=50lux	Frost PC	57%	5,000 hrs
	Philips 58W	1500mm	66W	58W	3350lm	360°	1M=350lux 2M=120lux 3M=58lux	Glass	///	5,000 hrs
	JY-T8B25	1500mm	23W	21W	1950lm	170°	1M=418lux 2M=137lux 3M=75lux	transparent PC	65.20%	5,000 hrs
	JY-T8B25	1500mm	23W	21W	1650lm	170°	1M=305lux 2M=102lux 3M=53lux	Frost PC	65.20%	5,000 hrs



Model	Power	LED Chip	BeamAngle	Working Voltage
JY-BL-B1908	8W	72pcs SMD 3014	120°	AC90-240V
JY-BL-B1907	7W	60pcs SMD 3014	120°	AC90-240V
JY-BL-B1906	5.5W	48pcs SMD 3014	120°	AC90-240V
Luminous Flux(lm)				
Unit weight	Size	Pure white	warm white	
100±5g	60*L108mm±1mm	650±10%lm	600±10%lm	
100±5g	60*L108mm±1mm	580±10%lm	530±10%lm	
100±5g	60*L108mm±1mm	460±10%lm	420±10%lm	



Model	Power	LED Chip	BeamAngle	Working Voltage
JY-BL-B8012	12W	108pcs SMD 3014	120°	AC90-240V
JY-BL-B8020	20W	204pcs SMD 3014	120°	AC90-240V
Luminous Flux(lm)				
Unit weight	Size	Pure white	warm white	
165±5g	80*L143mm±1mm	1000±10%lm	900±10%lm	
235±5g	100*L160mm±1mm	1600±10%lm	1500±10%lm	



Model	Power	LED Chip	BeamAngle	Working Voltage
JY-BL-B6005	5W	48pcs SMD 3014	120°	AC90-240V
Luminous Flux(lm)				
Unit weight	Size	Pure white	warm white	
170±5g	60*L108mm±1mm	380±10%lm	340±10%lm	



Model	Power	LED Chip	BeamAngle	Working Voltage
JY-BS-6004	4W	3X1W	120°	AC90-240V
JY-BS-6006	6W	3X2W	120°	AC90-240V
JY-BS-6065	6.5W	5X1W	120°	AC90-240V
JY-BS-6065D	6.5W	5X1W	120°	AC90-240V
Luminous Flux(lm)				
Unit weight	Size	Pure white	warm white	
100±5g	60*L105mm±1mm	270±10%lm	210±10%lm	
100±5g	60*L105mm±1mm	360±10%lm	300±10%lm	
105±5g	60*L105mm±1mm	450±10%lm	360±10%lm	
105±5g	60*L105mm±1mm	420±10%lm	350±10%lm	



Model	Power	LED Chip	BeamAngle	Working Voltage
JY-BS-7008	8W	5X3W	120°	AC90-240V
JY-BS-7010	10W	5X3W	120°	AC90-240V
Luminous Flux(lm)				
Unit weight	Size	Pure white	warm white	
160±5g	70*L133mm±1mm	480±10%lm	400±10%lm	
165±5g	70*L133mm±1mm	600±10%lm	510±10%lm	



Model	Power	LED Chip	Beam Angle	Working Voltage
JY-BL-D017	4W	1x4W	120°	AC90-240V
Color Temp.	Size	Luminous Flux(lm)	Base Type	
2700-7000K	62*118±1mm	240/320±10%lm	E26/E27/B22	



Model	Power	LED Chip	Beam Angle	Working Voltage
JY-BL-D006	5W	60pcs SMD 3014	120°	AC90-240V
Color Temp.	Size	Luminous Flux(lm)	Base Type	
2700-7000K	60*108±1mm	355/375±10%lm	E26/E27/B22	



Model	Power	LED Chip	Beam Angle	Working Voltage
JY-BL-D003	4W	3x1W	120°	AC90-240V
Color Temp.	Size	Luminous Flux(lm)	Base Type	
2700-7000K	50*93±1mm	180/200±10%lm	E26/E27/B22	



Model	Power	LED Chip	Beam Angle	Working Voltage
JY-BL-D004	6W	5x1W	120°	AC90-240V
JY-BL-D004A	6W	3x2W	120°	AC90-240V
Color Temp.	Size	Luminous Flux(lm)	Base Type	
2700-7000K	60*110±1mm	280/300±10%lm	E26/E27/B22	
2700-7000K	60*110±1mm	230/250±10%lm	E26/E27/B22	



Model	Power	LED Chip	Beam Angle	Working Voltage
JY-BL-D005	4W	1x4W	120°	AC90-240V
Color Temp.	Size	Luminous Flux(lm)	Base Type	
2700-7000K	56*109±1mm	230/250±10%lm	E26/E27/B22	



Model	Power	LED Chip	Beam Angle	Working Voltage
JY-BL-D010	3W	21pcs SMD 5050	120°	AC90-240V
Color Temp.	Size	Luminous Flux(lm)	Base Type	
2700-7000K	37*127±1mm	220/240±10%lm	E14	



Model	Power	LED Chip	Beam Angle	Working Voltage
JY-BL-D001-7	2W	7pcs SMD 5050	120°	AC90-240V
JY-BL-D001-10	2W	10pcs SMD 5050	120°	AC90-240V
JY-BL-D001-15	2.5W	15pcs SMD 3528	120°	AC90-240V
Color Temp.	Size	Luminous Flux(lm)	Base Type	
2700-7000K	37*102±1mm	80/90±10%lm	E12/E14/E26/E27/B22	
2700-7000K	37*102±1mm	110/120±10%lm	E12/E14/E26/E27/B22	
2700-7000K	37*102±1mm	160/180±10%lm	E12/E14/E26/E27/B22	



Model	Power	LED Chip	Beam Angle	Working Voltage
JY-BL-D002-15	2.5W	15pcs SMD 3528	120°	AC90-240V
JY-BL-D002-24	3W	24pcs SMD 3528	120°	AC90-240V
Color Temp.	Size	Luminous Flux(lm)	Base Type	
2700-7000K	50*76/60*95mm	160/180±10%lm	E26/E27/B22	
2700-7000K	50*76/60*95mm	180/200±10%lm	E26/E27/B22	



Model	Power	LED Chip	Beam Angle	Working Voltage
JY-BL-D021-7	2W	7pcs SMD 5050	120°	AC90-240V
JY-BL-D021-10	2W	10pcs SMD 5050	120°	AC90-240V
JY-BL-D021-15	2.5W	15pcs SMD 3528	120°	AC90-240V
Color Temp.	Size	Luminous Flux(lm)	Base Type	
2700-7000K	45*86±1mm	80/90±10%lm	E12/E14/E26/E27/B22	
2700-7000K	45*86±1mm	110/120±10%lm	E12/E14/E26/E27/B22	
2700-7000K	45*86±1mm	160/180±10%lm	E12/E14/E26/E27/B22	



Model	Power	LED Chip	Beam Angle	Working Voltage
JY-BL-D022	2.5W	15pcs SMD 3528	120°	AC90-240V
JY-BL-D022A	2.5W	15pcs SMD 3528	120°	AC90-240V
Color Temp.	Size	Luminous Flux(lm)	Base Type	
2700-7000K	45*70±1mm	160/180±10%lm	E26/E27/B22	
2700-7000K	50*76±1mm	160/180±10%lm	E26/E27/B22	



Model	Power	LED Chip	Beam Angle	Working Voltage
JY-MR16-A014	3W	3x1W	38°	AC/DC12V
JY-GU10-A014	3W	3x1W	38°	AC90-240V
Color Temp.	Size	Luminous Flux(lm)	Base Type	
2700-7000K	50*50±1mm	180/200±10%lm	MR16	
2700-7000K	50*55±1mm	180/200±10%lm	GU10	



Model	Power	LED Chip	Beam Angle	Working Voltage
JY-MR16-A010	1.3W	7pcs SMD 3629	30°	AC/DC12V
JY-GU10-A010	1.3W	7pcs SMD 3629	30°	AC90-240V
Color Temp.	Size	Luminous Flux(lm)	Base Type	
2700-7000K	50*42±1mm	80/110±10%lm	MR16	
2700-7000K	50*53±1mm	80/110±10%lm	GU10	



Model	Power	LED Chip	Beam Angle	Working Voltage
JY-MR16-S12	2W	12pcs SMD 5050	120°	AC/DC12V
JY-GU10-S12	2W	12pcs SMD 5050	120°	AC90-240V
Color Temp.	Size	Luminous Flux(lm)	Base Type	
2700-7000K	50*42±1mm	90/100±10%lm	MR16	
2700-7000K	50*53±1mm	90/100±10%lm	GU10	



Model	Power	LED Chip	Beam Angle	Working Voltage
JY-MR16-S15	2W	15pcs SMD 5050	120°	AC/DC12V
JY-GU10-S15	2W	15pcs SMD 5050	120°	AC90-240V
Color Temp.	Size	Luminous Flux(lm)	Base Type	
2700-7000K	50*42±1mm	110/120±10%lm	MR16	
2700-7000K	50*53±1mm	110/120±10%lm	GU10	



Model	Power	LED Chip	Beam Angle	Working Voltage
JY-MR16-S18	2.5W	18pcs SMD 5050	120°	AC/DC12V
JY-GU10-S18	2.5W	18pcs SMD 5050	120°	AC90-240V
Color Temp.	Size	Luminous Flux(lm)	Base Type	
2700-7000K	50*42±1mm	130/140±10%lm	MR16	
2700-7000K	50*53±1mm	130/140±10%lm	GU10	



Model	Power	LED Chip	Beam Angle	Working Voltage
JY-MR16-S21	3W	21pcs SMD 5050	120°	AC/DC12V
JY-GU10-S21	3W	21pcs SMD 5050	120°	AC90-240V
Color Temp.	Size	Luminous Flux(lm)	Base Type	
2700-7000K	50*42±1mm	180/200±10%lm	MR16	
2700-7000K	50*53±1mm	180/200±10%lm	GU10	



Model	Power	LED Chip	Beam Angle	Working Voltage
JY-MR16-S48	3W	48pcs SMD 3528	120°	AC/DC12V
JY-GU10-S48	3W	48pcs SMD 3528	120°	AC90-240V
Color Temp.	Size	Luminous Flux(lm)	Base Type	
2700-7000K	50*42±1mm	140/160±10%lm	MR16	
2700-7000K	50*53±1mm	140/160±10%lm	GU10	



Model	Power	LED Chip	Beam Angle	Working Voltage
JY-MR16-S60	3.5W	60pcs SMD 3528	120°	AC/DC12V
JY-GU10-S60	3.5W	60pcs SMD 3528	120°	AC90-240V
Color Temp.	Size	Luminous Flux(lm)	Base Type	
2700-7000K	50*42±1mm	160/180±10%lm	MR16	
2700-7000K	50*53±1mm	160/180±10%lm	GU10	



Model	Power	LED Chip	Beam Angle	Working Voltage
JY-MR16-S18AL	3W	18pcs SMD 5050	120°	AC/DC12V
JY-GU10-S18AL	3W	18pcs SMD 5050	120°	AC90-240V
Color Temp.	Size	Luminous Flux(lm)	Base Type	
2700-7000K	50*42±1mm	160/180±10%lm	MR16	
2700-7000K	50*53±1mm	160/180±10%lm	GU10	



Model	Power	LED Chip	Beam Angle	Working Voltage
JY-MR16-S21AL	3W	21pcs SMD 5050	120°	AC/DC12V
JY-GU10-S21AL	3W	21pcs SMD 5050	120°	AC90-240V
Color Temp.	Size	Luminous Flux(lm)	Base Type	
2700-7000K	50*42±1mm	180/200±10%lm	MR16	
2700-7000K	50*53±1mm	180/200±10%lm	GU10	



Model	Power	LED Chip	Beam Angle	Working Voltage
JY-MR16-S24AL	3W	24pcs SMD 5050	120°	AC/DC12V
JY-GU10-S24AL	3W	24pcs SMD 5050	120°	AC90-240V
Color Temp.	Size	Luminous Flux(lm)	Base Type	
2700-7000K	50*42±1mm	200/220±10%lm	MR16	
2700-7000K	50*53±1mm	200/220±10%lm	GU10	



Model	Power	LED Chip	Beam Angle	Working Voltage
JY-MR16-S24ALB	3.5W	24pcs SMD 5050	120°	AC/DC12V
JY-GU10-S24ALB	3.5W	24pcs SMD 5050	120°	AC90-240V
Color Temp.	Size	Luminous Flux(lm)	Base Type	
2700-7000K	50*70±1mm	280/300±10%lm	MR16	
2700-7000K	50*90±1mm	280/300±10%lm	GU10	



Model	Power	LED Chip	Beam Angle	Working Voltage
JY-MR16-A011	4W	4x1W	38°	AC/DC12V
JY-GU10-A011	4W	4x1W	38°	AC90-240V
Color Temp.	Size	Luminous Flux(lm)	Base Type	
2700-7000K	50*42±1mm	230/250±10%lm	MR16	
2700-7000K	50*53±1mm	230/250±10%lm	GU10	



Model	Power	LED Chip	Beam Angle	Working Voltage
JY-MR16-A012	3W	1x3W	120°	AC/DC12V
JY-GU10-A012	3W	1x3W	120°	AC90-240V
Color Temp.	Size	Luminous Flux(lm)	Base Type	
2700-7000K	50*42±1mm	230/250±10%lm	MR16	
2700-7000K	50*53±1mm	230/250±10%lm	GU10	



Model	Power	LED Chip	Beam Angle	Working Voltage
JY-PAR22-B08	8W	72pcs SMD 3014	90°	AC90-240V
JY-PAR30-B12	12W	108pcs SMD 3014	90°	AC90-240V
Color Temp.	Size	Luminous Flux(lm)	Base Type	
2700-7000K	70*96±1mm	450/520±10%lm	E26/E27/B22	
2700-7000K	95*122±1mm	760/850±10%lm	E26/E27/B22	



Model	Power	LED Chip	Beam Angle	Working Voltage
JY-PAR20-A001	4W	4x1W	30° /45° /60°	AC90-240V
Color Temp.	Size	Luminous Flux(lm)	Base Type	
2700-7000K	75*80±1mm	320/360±10%lm	E26/E27/B22	



Model	Power	LED Chip	Beam Angle	Working Voltage
JY-PAR20-A002	5W	5x1W	30° /45° /60°	AC90-240V
Color Temp.	Size	Luminous Flux(lm)	Base Type	
2700-7000K	75*80±1mm	370/400±10%lm	E26/E27/B22	



Model	Power	LED Chip	Beam Angle	Working Voltage
JY-PAR30-A001	6W	6x1W	30° /45° /60°	AC90-240V
Color Temp.	Size	Luminous Flux(lm)	Base Type	
2700-7000K	95*85±1mm	450/480±10%lm	E26/E27/B22	



Model	Power	LED Chip	Beam Angle	Working Voltage
JY-PAR30-A002	7W	7x1W	30° /45° /60°	AC90-240V
Color Temp.	Size	Luminous Flux(lm)	Base Type	
2700-7000K	95*85±1mm	500/550±10%lm	E26/E27/B22	



Model	Power	LED Chip	Beam Angle	Working Voltage
JY-PAR30-A003	10W	5x2W	30° /45° /60°	AC90-240V
Color Temp.	Size	Luminous Flux(lm)	Base Type	
2700-7000K	95*85±1mm	600/700±10%lm	E26/E27/B22	



Model	Power	LED Chip	Beam Angle	Working Voltage
JY-PAR30-A004	14W	7x2W	30° /45° /60°	AC90-240V
Color Temp.	Size	Luminous Flux(lm)	Base Type	
2700-7000K	95*85±1mm	840/980±10%lm	E26/E27/B22	



Model	Power	LED Chip	Beam Angle	Working Voltage
JY-PAR38-A001	9W	9x1W	30° /45° /60°	AC90-240V
Color Temp.	Size	Luminous Flux(lm)	Base Type	
2700-7000K	120*122±1mm	550/600±10%lm	E26/E27/B22	



Model	Power	LED Chip	Beam Angle	Working Voltage
JY-PAR38-A002	12W	12x1W	30° /45° /60°	AC90-240V
Color Temp.	Size	Luminous Flux(lm)	Base Type	
2700-7000K	120*122±1mm	750/800±10%lm	E26/E27/B22	

Comparing the features of Incandescent, CFL and LED bulbs

Item	Light Source		
	LEDs	CFLs	Incandescents
Frequent On/Off Cycling	no effect	shortens lifespan	some effect
Turns on instantly	yes	slight delay	yes
Durability	durable	fragile	fragile
Heat Emitted	low (3 btu's/hr)	medium (30 btu's/hr)	high (85 btu's/hr)
Sensitivity to temperature	no	yes	some
Sensitivity to humidity	no	yes	some
Hazardous Materials	none	5 mg mercury/bulb	none
Replacement frequency (over 50k hours)	1	5	40+

Equivalent wattages and light output of Incandescent, CFL and LED bulbs

Light Output	Light Source		
	LEDs	CFLs	Incandescents
Lumens	Watts	Watts	Watts
450	4-5	8-12	40
300 - 900	6-8	13 - 18	60
1100 - 1300	9-13	18 - 22	75 - 100
1600 - 1800	16 - 20	23 - 30	100
2600 - 2800	25 - 28	30 - 55	150

Choosing an LED light bulb

Many different models and styles of LED bulbs are emerging in today's marketplace. When choosing a bulb, keep in mind the following:

- :: Estimate desired wattage - read the package to choose desired illumination level. For example, a 3W LED is equivalent in output to a 45 W incandescent.
- :: Choose between warm and cool light - new LED bulbs are available in 'cool' white light, which is ideal for task lighting, and 'warm' light commonly used for accent or small area lighting.
- :: Standard base or pin base - LEDs are available in several types of 'pin' sockets or the standard "screw" (Edison) bases for recessed or track lighting.
- :: Choose between standard and dimmable bulbs - some LED bulbs, are now available as dimmable bulbs.

Cost Comparison between LEDs, CFLs and Incandescent light bulbs

Item	Light Source		
	LEDs	CFLs	Incandescents
Light bulb projected lifespan	50,000 hours	10,000 hours	1,200 hours
Watts per bulb (equiv. 60 watts)	6	14	60
Cost per bulb	\$35.95	\$3.95	\$1.25
KWh of electricity used over 50,000 hours	300	700	3000
Cost of electricity (@ 0.20per KWh)	\$60	\$140	\$600
Bulbs needed for 50k hours of use	1	5	42
Equivalent 50k hours bulb expense	\$35.95	\$19.75	\$52.50
Total cost for 50k hours	\$95.95	\$159.75	\$652.50

Energy Savings over 50,000 hours, assuming 25 bulbs per household:

Total cost for 30 bulbs	\$2,398.75	\$3,993.75	\$16,312.50
Savings to household by switching from incandescents	\$13,913.75	\$12,318.75	0

Notes:

- :: Cost of electricity will vary. The figures used above are for comparison only, and are not exact.
- :: The cost per bulb for LEDs may vary. We used the figure of \$35.95 (for a 6 watt LED) as an average among lighting retailers. Earthesy's retail price for a 7 watt LED is \$39.95.
- :: Estimates of bulb lifespan are projected, since it would take about 6 years of continuous lighting to test. Some manufacturers claim the new LED bulbs will last up to 25 years under normal household use, but this is not proven.
- :: Bulb breakage and bulb replacement costs have not been factored into this comparison chart. Incandescent bulbs and CFL bulbs are more easily broken than LEDs, which increases their cost of use.
- :: Most LEDs come with a minimum 2-year guarantee. Any defective LED bulb will usually fail within this time