

SOKOYO®

MEDY SERIES
Split Style Street Light

SOLAR/LED STREET LIGHT



Appearance Patent Number: 2019307451405



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FRONT (double modular)

FRONT (three modular)

FRONT (four modular)

TOP

INTELLIGENT AND EFFICIENT ENERGY SAVING AND ENVIRONMENTAL PROTECTION SIMPLE WITH FASHION

Medy LED street light combines green lighting, energy saving and environmental protection and is designed to embellish the urban landscape. It has a simple and smooth shape and compact structure. It is suitable for road lighting in cities, villages, industrial parks and other places.



Bat-Wing light distribution

The lens adopts the Teijin brand imported from Japan. Type 1225Z. High strength and adaptability.



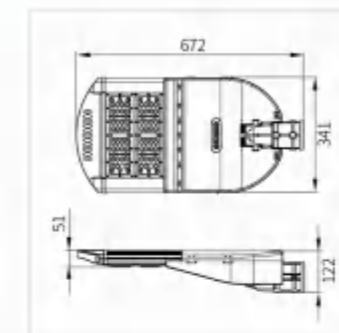
Adjustable Mounting Sleeve

φ60mm sleeve, the sleeve can be rotated according to installation requirements.



On & Off Knob

Tool-free quick, quick access to the electrical compartment, easy to operate.



KY-F-MY DC

MEDY Solar Split Type Street Light



Patented lens, bat-wing light distribution, make the light distribution more uniform;
International famous brand LED chip, uniform illumination, no glare.
Easy to assemble, easy to install and maintain.
Reasonable structure design, Undeformed multi-module embedded body.



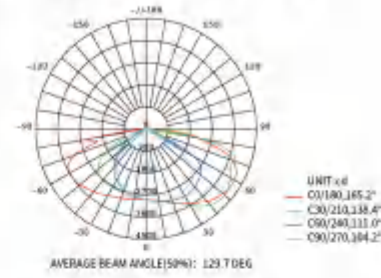
Product Model	KY-F-MY-001	KY-F-MY-002	KY-F-MY-003
Rated Power	80W	120W	150W
System Voltage	DC24V	DC24V	DC24V
Lithium Battery	25.6V/42AH 1075.2WH	25.6V/60AH 1536WH	25.6V/80AH 2150.4WH
Suggested Solar Panel	Mono-crystalline 180W/36V	Mono-crystalline 240W/36V	Mono-crystalline 360W/36V
Light Source	LUMILEDS 5050		
Light Distribution	Bat-Wing light distribution (150°x75°)		
Light Efficiency	≥130LM/W	≥140LM/W	≥140LM/W
Color Temperature	3000K/4000K/5700K/6500K		
CRI	≥Ra70		
IP Rate	IP65		
IK Rate	IK08		
Working Temperature	-10°C~+60°C		
Product Weight	5.95kg		
LED Lifespan	>50000H		
Controller	15A	20A	20A
Lamp Dimension	φ60mm		
Package Dimension	672x341x122mm		
Mount Diameter	720x385x175mm (1pc/CTN)		
Suggested Mount Height	8m-12m		

LIGHT DISTRIBUTION CURVE

Street Light Intensity Test Report(80W Parameter)

DATA OF LAMP		PHOTOMETRIC DATA			
MODEL	KY-F-MY-001	lm _{max} (cd)	4907	η _{street up} (%)	0.4
NOMINAL POWER (W)	80	LOR (%)	100.0	η _{street down} (%)	54.9
RATED VOLTAGE (V)	48	TOTAL FLUX (lm)	12351	η _{house up} (%)	0.4
NOMINAL FLUX (lm)	12351.4	MAXIMUM θ (C, Y)	15°, 60.0°	η _{house down} (%)	44.3
LAMPS INSIDE	1	η _{up} (%)	0.8	78 FLASHAREA (mf)	
TSET VOLTAGE (V)	47.22	η _{down} (%)	99.2	STL	

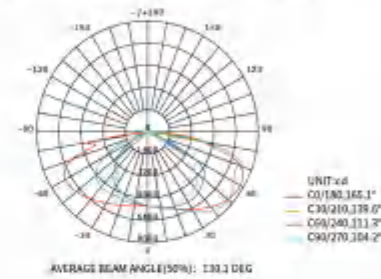
Meridian Light Distribution Curve(80W Parameter)



Street Light Intensity Test Report(150W Parameter)

DATA OF LAMP		PHOTOMETRIC DATA			
MODEL	KY-F-MY-003	lm _{max} (cd)	8861	η _{street up} (%)	0.4
NOMINAL POWER (W)	150	LOR (%)	100.0	η _{street down} (%)	54.7
RATED VOLTAGE (V)	48	TOTAL FLUX (lm)	22940	η _{house up} (%)	0.3
NOMINAL FLUX (lm)	11470	MAXIMUM θ (C, Y)	15°, 60.0°	η _{house down} (%)	44.6
LAMPS INSIDE	2	η _{up} (%)	0.7	78 FLASHAREA (mf)	
TSET VOLTAGE (V)	47.75	η _{down} (%)	99.3	STL	

Meridian Light Distribution Curve(150W Parameter)



COMPONENT SELECTION TABLE



Monocrystal solar panels

The photoelectric conversion efficiency of monocrystalline silicon solar cells is 15-24%, which is the highest in all kinds of solar cells at present. Because monocrystalline silicon is usually sealed with toughened glass and waterproof resin, it is strong and durable, with a service life of 15 to 25 years.

Product Model	Rated Power	Working voltage	Working current	Open Circuit Voltage	Short Circuit Current	L(mm)	W(mm)	H(mm)	Weight(kg)
S-180.36-A1510	180	36	5	43.2	5.5	680	1510	35	12
S-240.36-B1330	240	36	6.67	43.2	7.34	1000	1330	35	15.3
S-360.36-B1970	360	36	10	43.2	11	1000	1970	35	22.9



Built-in lithium iron phosphate flat head battery

Mature automatic production technology, high yield of products, and more deep cycles of the cell.

Product Model	Specification	Voltage	L(mm)	W(mm)	H(mm)	Weight(kg)
C2-42.24	42AH	25.6V	583	184	130	12.23
C2-60.24	60AH	25.6V	781	184	130	16.67
C2-84.24	84AH	25.6V	1045	184	130	22.57





**KY-D-MY AC
MEDY LED Street Light**



Simple and smooth appearance, compact structure;
Adopting geothermal resistance structure technology
and professional non-imaging optical technology;
Realize the advantages of high luminous efficiency, long
life and high CRI.



RELIABLE AND WEATHERPROOF STRUCTURE

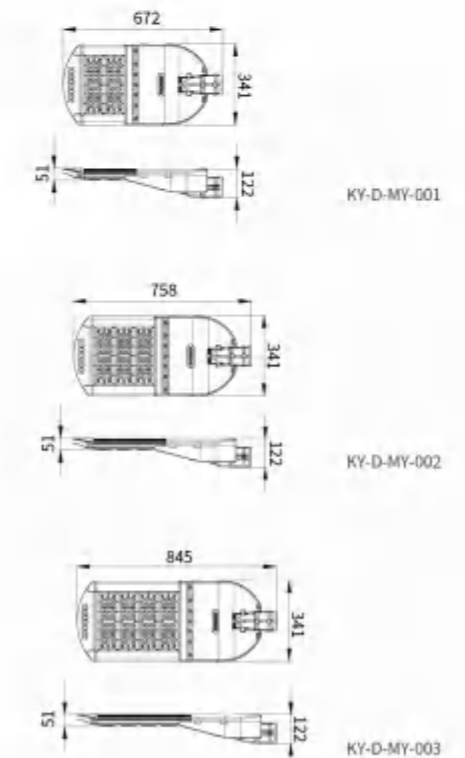
In addition to the wind and the sword, the outdoor LED street light has to experience the heat. The modular design can reach the protection level of IP65, effectively isolate the salt tide, dust and hot air invasion, so that it can calmly deal with the challenges brought by the harsh outdoor environment.



TECHNICAL PARAMETER

Product Model	KY-D-MY-001	KY-D-MY-002
Rated Power	150W	220W
System Voltage	AC100V-305V	AC100V-305V
Rated Current	2.81A	4.5A
Light Source	LUMILEDS 5050	LUMILEDS 5050
Light Distribution	Bat-Wing light distribution (150°x75°)	Bat-Wing light distribution (150°x75°)
Light Efficiency	≥130LM/W	≥130LM/W
Color Temperature	3000K/4000K/5700K/6500K	3000K/4000K/5700K/6500K
CRI	≥Ra70	≥Ra70
IP Rate	IP65	IP65
IK Rate	IK08	IK08
Working Temperature	-10°C~+60°C	-10°C~+60°C
Product Weight	6.4kg	7.7kg
LED Lifespan	>50000H	>50000H
Controller	Meanwell	Meanwell
Mount Diameter	φ60mm	φ60mm
Lamp Dimension	672×341×122mm	758×341×122mm
Package Dimension	720×385×175mm(1pc/CTN)	805×385×175mm(1pc/CTN)
Suggested Mount Height	12m-15m	12m-15m

Product Model	KY-D-MY-003
Rated Power	300W
System Voltage	AC100V-305V
Rated Current	5.63A
Light Source	LUMILEDS 5050
Light Distribution	Bat-Wing light distribution (150°x75°)
Light Efficiency	≥130LM/W
Color Temperature	3000K/4000K/5700K/6500K
CRI	≥Ra70
IP Rate	IP65
IK Rate	IK08
Working Temperature	-10°C~+60°C
Product Weight	9.2kg
LED Lifespan	>50000H
Controller	Meanwell
Mount Diameter	φ60mm
Lamp Dimension	845×341×122mm
Package Dimension	890×385×175mm(1pc/CTN)
Suggested Mount Height	12m-15m

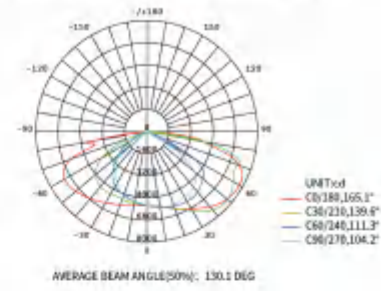


LIGHT DISTRIBUTION CURVE

Street Light Intensity Test Report(150W Parameter)

DATA OF LAMP		PHOTOMETRIC DATA			
MODEL	KY-F-MY-003	Imax (cd)	8861	η street up (%)	0.4
NOMINAL POWER (W)	150	LOR (%)	100.0	η street down (%)	54.7
RATED VOLTAGE (V)	48	TOTAL FLUX (lm)	22940	η house up (%)	0.3
NOMINAL FLUX (lm)	11470	MAXIMUM θ (C, ν)	15°, 60.0°	η house down (%)	44.6
LAMPS INSIDE	2	η up (%)	0.7	76 FLASHAREA (m ²)	
TSET VOLTAGE (V)	47.75	η down (%)	99.3	STL	

Meridian Light Distribution Curve(150W Parameter)



INSTALLATION METHOD AND ELEVATION ANGLE ARE OPTIONAL



Vertical installation, the elevation angle of the lamp body can be rotated according to the installation requirements.



The horizontal installation mode can rotate the elevation angle of the lamp body according to the installation requirements.

POLE SELECTION

