

**MULTIFIT**

— 众能力电 —

Beijing Multifit Electrical Technology Co.,Ltd

**SOLAR LED STREET LIGHT**



# Company Profile



Beijing Multifit Electrical Technology Co., Ltd. is a high-tech plant for the solar power and renewable energy research, production, sales and construction of photovoltaic power station. We located in the Chinese capital, the center of the Beijing Economic and Technological Development Zone areas - a beautiful high-tech Fortune 500 companies Industry park.

Multifit group's main products in Beijing plant are power inverter, micro-grid inverter, PV combiner box, solar controller, LED, Solar light, solar modules, solar charger, solar portable System etc. we undertake the projects related to electrical engineering design and installation and also our companies is in strict accordance with the ISO9001: 2008 quality system, some products has the TUV, UL, CE, SONCAP, CCC and other international authoritative certification and national quality inspection certification, and the patents.



Founded in 2009, the company focused on providing world-class small-scale photovoltaic power plants for civilian solutions and innovative research and development of renewable energy electrical products. we had cultivated a group of ideals, experience, technical sales and R & D team. Our products are now exported to France, UK, Italy, Hungary, Australia, Yemen, Pakistan, India, Nigeria, Dakar, Ghana, Chile, Dominican Republic, Asia and Africa and Latin America. There are more than 50 countries and regions in the world, and meet the various needs of different regions 'customers, we never stop to try our best to grow up and enhance the customer's satisfaction and awareness.

Multifit name means to fit all your needs, step electric energy technological mountain on new heights! The technological tie will be used to send to you and to reach a higher level quality of life. Future, Multifit is committed to improving the renewable energy industry, and continues to develop more efficient and cost-effective solar solutions to bring more green electricity into our lives.



MULTY-205~MULTY-280

**Integrated All in one(AIO)solar street light  
(5W-80W)**



MULTY-240S~MULTY-2240S

**Solar LED Street Light  
(40-240W)**



35W

65W

100W

135W

165W

200W

235W



## Integrated All in one(AIO)solar street light



[www.multifitele.com](http://www.multifitele.com)

## Integrated All in one(AIO)solar street light

### MULTY-205



5W

Model	MULTY-205	Lumen	625-675lm
Solar Panel	18V 10W(Imported High Efficiency Monocrystalline Silicon)	Discharge time	6-12hrs/day. 3-7 cloudy/rainy days as back up
Battery	12.8V4AH Powerful LifePO4 Battery	Working Temperature	-30°C ~ +70°C
LED	5W Taiwan Epistar Chips with high brightness	Waterproof(IP grade)	IP65
Colour temperature	3000-6500K	Mounting height	2.5m - 3.5m
Product Dimension	450*280*55mm	Package Dimension	470*360*140mm
N.W.	4.5KG	G.W.	5KG

### MULTY-208



8W

Model	MULTY-208	Lumen	1000-1080lm
Solar Panel	18V 15W(Imported High Efficiency Monocrystalline Silicon)	Discharge time	6-12hrs/day. 3-7 cloudy/rainy days as back up
Battery	12.8V7AH Powerful LifePO4 Battery	Working Temperature	-30°C ~ +70°C
LED	8W Taiwan Epistar Chips with high brightness	Waterproof(IP grade)	IP65
Colour temperature	3000-6500K	Mounting height	3m - 4m
Product Dimension	515*320*52mm	Package Dimension	520*380*140mm
N.W.	5.5KG	G.W.	6.5KG

## Integrated All in one(AIO)solar street light

### MULTY-212



12W

Model	MULTY-212	Lumen	1500-1625lm
Solar Panel	18V 18W(Imported High Efficiency Monocrystalline Silicon)	Discharge time	6-12hrs/day. 3-7 cloudy/rainy days as back up
Battery	12.8V 9AH Powerful LifePO4 Battery	Working Temperature	-30°C ~ +70°C
LED	12W Taiwan Epistar Chips with high brightness	Waterproof(IP grade)	IP65
Colour temperature	3000-6500K	Mounting height	3m - 4m
Product Dimension	515*320*52mm	Package Dimension	520*380*140mm
N.W.	6.5KG	G.W.	7KG

### MULTY-215



15W

Model	MULTY-215	Lumen	1875-2025lm
Solar Panel	18V 30W(Imported High Efficiency Monocrystalline Silicon)	Discharge time	6-12hrs/day. 3-7 cloudy/rainy days as back up
Battery	12.8V 12AH Powerful LifePO4 Battery	Working Temperature	-30°C ~ +70°C
LED	15W Taiwan Epistar Chips with high brightness	Waterproof(IP grade)	IP65
Colour temperature	3000-6500K	Mounting height	4m - 5m
Product Dimension	670*325*140mm	Package Dimension	750*400*210mm
N.W.	9KG	G.W.	9.5KG

## Integrated All in one(AIO)solar street light

### MULTY-220



20W

Model	MULTY-220	Lumen	2500-2700lm
Solar Panel	18V45W(Imported High Efficiency Monocrystalline Silicon)	Discharge time	12hrs/day. 3 cloudy/rainy days as back up, can be custom-made to 7 cloudy/rainy days as back up
Battery	12.8V21AH Powerful LifePO4 Battery	Working Temperature	-30℃ ~ +70℃
LED	20W High Brightness Bridgelux Chips from USA	Waterproof(IP grade)	IP65
Colour temperature	3500-7000K	Mounting height	4m - 6m
Product Dimension	920*325*140mm	Package Dimension	950*410*210mm
N.W.	14KG	G.W.	15KG

### MULTY-225



25W

Model	MULTY-225	Lumen	3125-3375lm
Solar Panel	18V50W(Imported High Efficiency Monocrystalline Silicon)	Discharge time	12hrs/day. 3 cloudy/rainy days as back up, can be custom-made to 7 cloudy/rainy days as back up
Battery	12.8V24AH Powerful LifePO4 Battery	Working Temperature	-30℃ ~ +70℃
LED	25W High Brightness Bridgelux Chips from USA	Waterproof(IP grade)	IP65
Colour temperature	3500-7000K	Mounting height	5m - 6m
Product Dimension	1180*325*140mm	Package Dimension	1210*410*210mm
N.W.	17.5KG	G.W.	19KG

## Integrated All in one(AIO)solar street light

### MULTY-230



30W

Model	MULTY-230	Lumen	3750-4050lm
Solar Panel	18V50W(Imported High Efficiency Monocrystalline Silicon)	Discharge time	12hrs/day. 3 cloudy/rainy days as back up, can be custom-made to 7 cloudy/rainy days as back up
Battery	12.8V27AH Powerful LifePO4 Battery	Working Temperature	-30°C ~ +70°C
LED	30W High Brightness Bridgelux Chips from USA	Waterproof(IP grade)	IP65
Colour temperature	3500-7000K	Mounting height	6m - 7m
Product Dimension	1180*325*140mm	Package Dimension	1210*410*210mm
N.W.	18KG	G.W.	20KG

### MULTY-240



40W

Model	MULTY-240	Lumen	5000-5400lm
Solar Panel	18V60W(Imported High Efficiency Monocrystalline Silicon)	Discharge time	12hrs/day. 3 cloudy/rainy days as back up, can be custom-made to 7 cloudy/rainy days as back up
Battery	12.8V30AH Powerful LifePO4 Battery	Working Temperature	-30°C ~ +70°C
LED	40W High Brightness Bridgelux Chips from USA	Waterproof(IP grade)	IP65
Colour temperature	3500-7000K	Mounting height	7m - 8m
Product Dimension	1180*325*140mm	Package Dimension	1210*410*210mm
N.W.	19KG	G.W.	21KG



## Integrated All in one(AIO)solar street light

### MULTY-250



50W

Model	MULTY-250	Lumen	6250-6750lm
Solar Panel	18V 70W(Imported High Efficiency Monocrystalline Silicon)	Discharge time	12hrs/day. 3 cloudy/rainy days as back up, can be custom-made to 7 cloudy/rainy days as back up
Battery	12.8V 36AH Powerful LifePO4 Battery	Working Temperature	-30°C ~ +70°C
LED	50W High Brightness Bridgelux Chips from USA	Waterproof (IP grade)	IP65
Colour temperature	3500-7000K	Mounting height	7m - 9m
Product Dimension	1180*380*140mm	Package Dimension	1210*440*210mm
N.W.	21KG	G.W.	22KG

### MULTY-260



60W

Model	MULTY-260	Lumen	7500-8100lm
Solar Panel	18V 80W(Imported High Efficiency Monocrystalline Silicon)	Discharge time	12hrs/day. 3 cloudy/rainy days as back up, can be custom-made to 7 cloudy/rainy days as back up
Battery	12.8V 42AH Powerful LifePO4 Battery	Working Temperature	-30°C ~ +70°C
LED	60W High Brightness Bridgelux Chips from USA	Waterproof (IP grade)	IP65
Colour temperature	3500-7000K	Mounting height	7m - 9m
Product Dimension	1180*380*140mm	Package Dimension	1210*440*210mm
N.W.	22KG	G.W.	23KG

## Integrated All in one(AIO)solar street light

### MULTY-270



70W

Model	MULTY-270	Lumen	8750-9450lm
Solar Panel	18V90W(Imported High Efficiency Monocrystalline Silicon)	Discharge time	12hrs/day. 3 cloudy/rainy days as back up, can be custom-made to 7 cloudy/rainy days as back up
Battery	12.8V51AH Powerful LifePO4 Battery	Working Temperature	-30℃ ~ +70℃
LED	70W High Brightness Bridgelux Chips from USA	Waterproof(IP grade)	IP65
Colour temperature	3500-7000K	Mounting height	7m - 10m
Product Dimension	1180*450*140mm	Package Dimension	1210*520*210mm
N.W.	25KG	G.W.	27KG

### MULTY-280



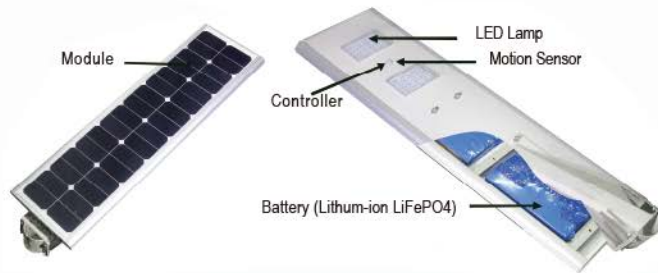
80W

Model	MULTY-280	Lumen	10000-10800lm
Solar Panel	18V100W(Imported High Efficiency Monocrystalline Silicon)	Discharge time	12hrs/day. 3 cloudy/rainy days as back up, can be custom-made to 7 cloudy/rainy days as back up
Battery	12.8V57AH Powerful LifePO4 Battery	Working Temperature	-30℃ ~ +70℃
LED	80W High Brightness Bridgelux Chips from USA	Waterproof(IP grade)	IP65
Colour temperature	3500-7000K	Mounting height	7m - 10m
Product Dimension	1180*450*140mm	Package Dimension	1210*520*210mm
N.W.	26KG	G.W.	28KG

## Integrated All in one(AIO)solar street light

## Projects Case

All in one, integration design  
 put solar panel, LED lamp, battery and controller all in one box  
 without any cable, easy to install and ship  
 longer service life.....  
 Easy to maintain and replacement.



### High lights:

Solar panel:high efficiency monocrystal panel/sunpower  
 LED Lamp:8W-40W high lumens,chip from USA  
 Battery Type:high capacity lithium battery  
 Controller:intelligent R&D of SH  
 Work Temp:-20℃~+60℃  
 warranty:2 years for whole system

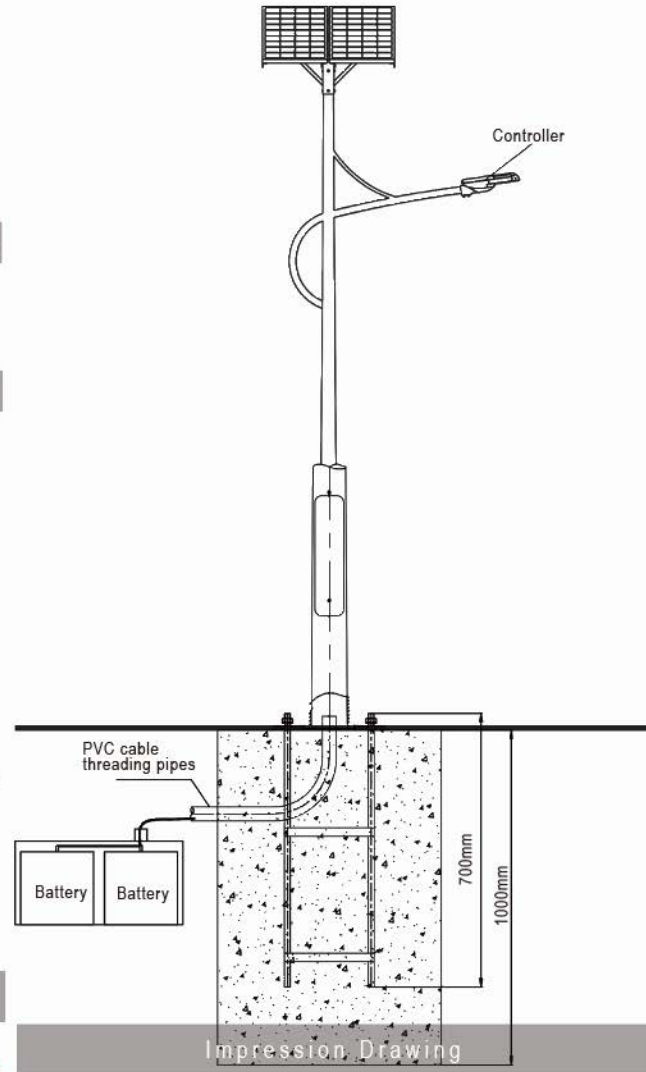
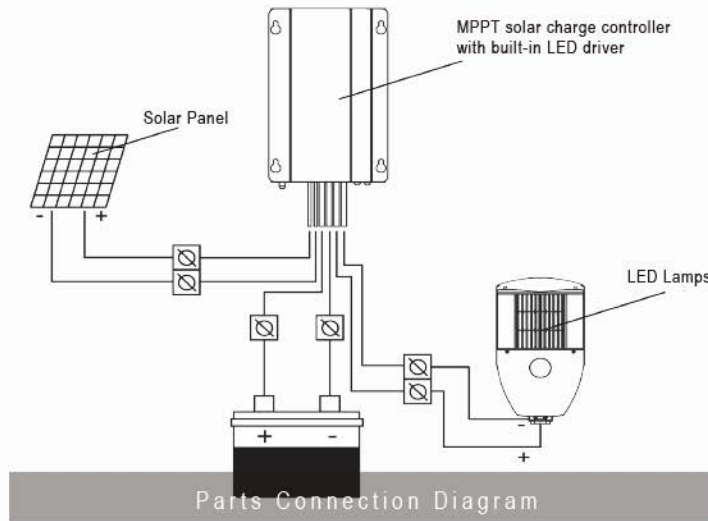
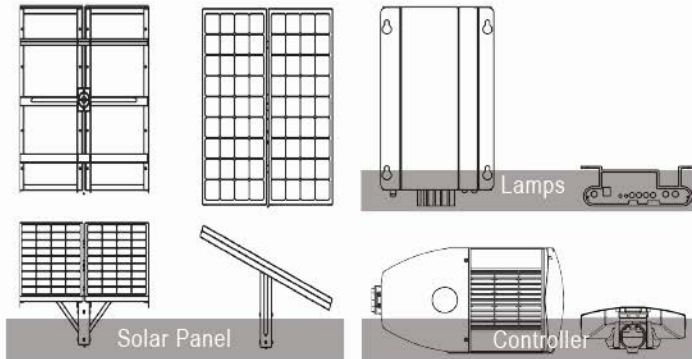




# 7 YEAR WARRANTY

The MULTY series LED street light are using LUMILEDS LUXEON luminous source, providing excellent lumen output, long-lasting stability and splendid sight. Provide years warranty on luminaire.

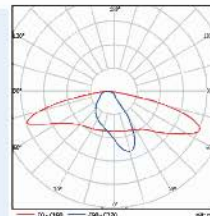
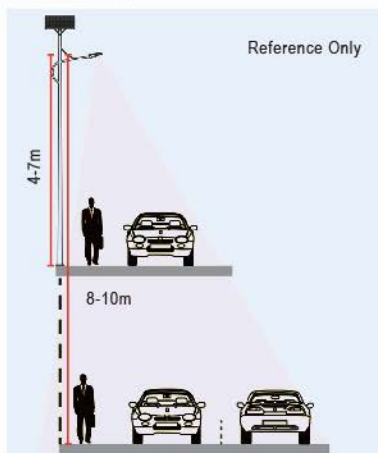
# Solar LED Street Light



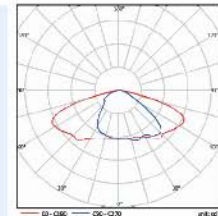
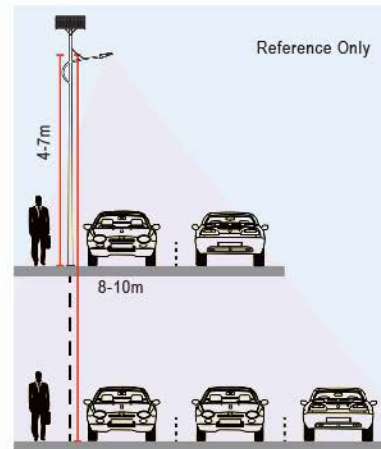
## Solar LED Street Light

Solar LED street light adopts high quality and efficiency solar panels (more than 17%), and combines the stable performance and long lifetime battery and high efficiency MPPT solar charge controller which built-in LED driver. Excellent Philips chips make the lamp efficacy up to 140lm/w.

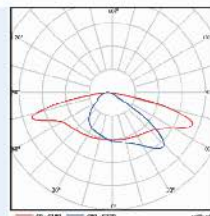
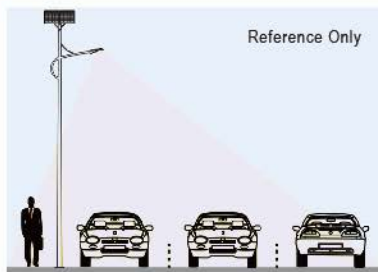
Example : Application (Driverway width=3.5MC):  
Urban main Roads | Highway | Parking Lot | Area



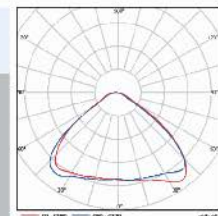
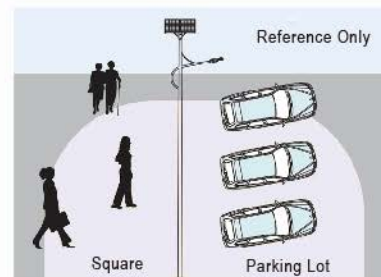
Lens code: Typel,Medium



Lens code: Typel,Medium



Lens code: Typel,Medium



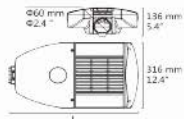
Lens code: Typel,Medium

## Solar LED Street Light

Lamps Specs

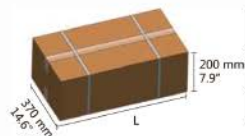
MULTY-204S~2240S

Product	MULTY-240S	MULTY-250S	MULTY-280S	MULTY-2100S	MULTY-2120S	MULTY-2150S	MULTY-2160S	MULTY-2200S		MULTY-2240S
Nominal Wattage	40W	50W	80W	100W	120W	150W	160W	200W		240W
LED Working Current	95mA	115mA	100mA	120mA	100mA	120mA	100mA	100mA	120mA	120mA
Number of Modules	1	1	2	2	3	3	4	5	4	5
Input Voltage	100-240V/ 277V AC 50 / 60Hz									
Dimming	0-10V	0-10V	0-5V, 0-10V, PWM, Timer							
LED Brand	Philips Lumileds									
Driver Brand	Non-dimmable: MeanWell HLG Driver   Dimmable: Inventronics Driver									
Max. Current @120V	0.41A	0.51A	0.82A	1.03A	1.23A	1.54A	1.65A	2.06A		2.57A
Max. Current @208V	0.24A	0.30A	0.47A	0.59A	0.71A	0.89A	0.95A	1.19A		1.48A
Max. Current @240V	0.21A	0.26A	0.41A	0.51A	0.62A	0.77A	0.82A	1.03A		1.29A
Max. Current @277V	0.18A	0.22A	0.36A	0.45A	0.53A	0.67A	0.71A	0.89A		1.11A
Operating Temperature	-40°C to +50°C									
Power Factor (PF)	>0.95									
THD	<20%									
Lumen Output (+/- 5%)	5200 lm	6250 lm	10400 lm	12500 lm	15600 lm	18750 lm	20800 lm	26000 lm	25000 lm	30000 lm
Luminaire efficacy	130 lm/w	125 lm/w	130 lm/w	125 lm/w	130 lm/w	125 lm/w	130 lm/w	130 lm/w	125 lm/w	125 lm/w
Optic	TypeI, Medium; TypeII, Medium; TypeIII, Medium; TypeIV, short									
CRI	>70									
CCT	4000K (Nature White), 5000K (Pure White), 5700K (Cool White)									
Rating	IP66, IK10									
Material	Housing: Die-case aluminum; Heat sink Stretched Aluminium Alloy; Lens: PC									
Installation	Horizontal and vertical installation for optional; Adjustable tilt angle: 0-10-15°									
Accessories (Optional)	Photocell; Surge Protection Device (6KV / 10KV); Adapter for 40/42mm pole mounting (Normal mounting Ø 60mm)									
Shell Color	Silver (RAL9022) or Black (RAL9005), other RAL colors available on request									
Lumen Maintenance	>75,000 hours-L7(at 25°C)									
Certifications	CE, ROHS, FCC, ENEC, LM80, ISO9001, ISO14001									
Packaging Type	1 unit /ctn.									



### Dimension Data

Nominal Wattage	35W/40W/50W	65W/80W	100W
"L" Length	431mm17.0"	504mm19.8"	577mm22.7"
Weight	5.3kg11.7lbs.	6.1kg13.4lbs.	7.3kg16.1lbs.



### Packaging Data

Nominal Wattage	35W/40W/50W	65W/80W	100W
"L" Length	480mm18.9"	555mm21.9"	630mm24.8"
Weight	6.3kg13.9lbs.	7.3kg16.1lbs.	8.6kg19.0lbs.



### Battery Specs ( back up for 2 continue rainy days )

Nominal Wattage	35W	40W	50W	65W	80W	100W
Capacity	150Ah/12V	180Ah/12V	200Ah/12V	150Ah/12V*2pcs	180Ah/12V*2pcs	200Ah/12V*2pcs



### Solar Panel Specs ( working 10h per night )

Nominal Wattage	35W	40W	50W	65W	80W	100W
Power	100W/18V	120W/18V	150W/18V	100W/18V*2pcs	120W/18V*2pcs	150W/18V*2pcs



### Solar Controller Specs

Nominal Wattage	35W	40W	50W	65W	80W	100W
Discharge current	10A	10A	15A	10A	10A	15A



## Solar LED Street Light



Full aluminum shell



UL standard connection



Innovative plug connector



Overall SS Screws



German connectors



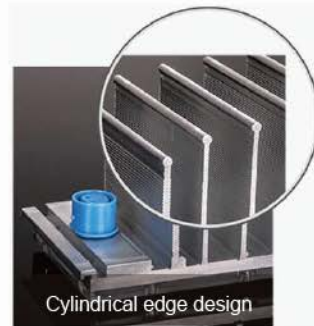
SS Screws



Rational Clamshell

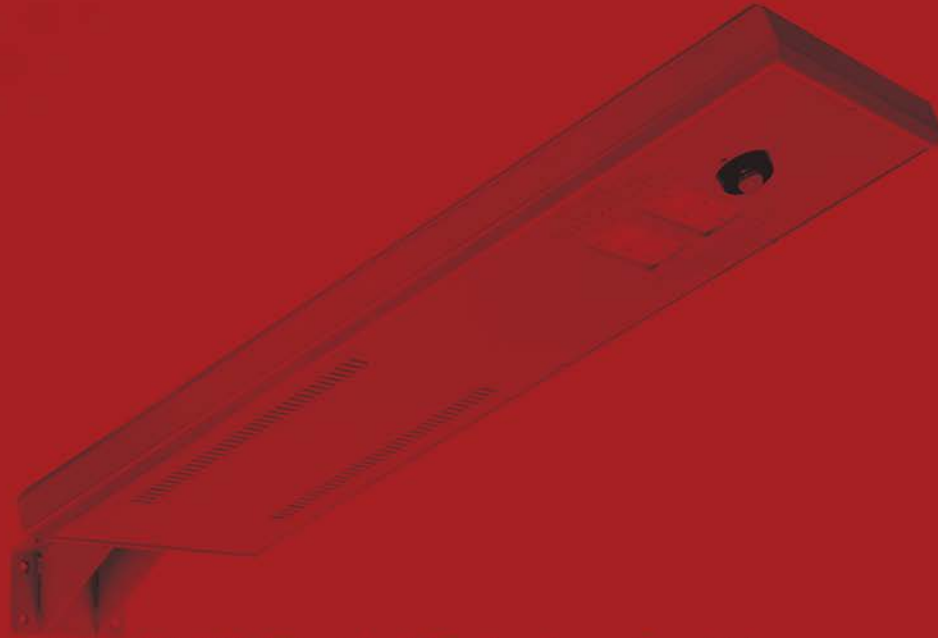


Black&Silver Modules



Cylindrical edge design





## BeiJing Multifit Electrical Technology Co.,Ltd

Company Address: 503 Building 5 No10 Ronghuanan road,BeijingEconomic&Technological development Zone 100176,BeiJing China

Factory address:No.15 KeChuang street. BeijingEconomic&Technological development Zone 100176,BeiJing China

Tel: 86-010-87227420 Fax: 86-10-85885278

Mobile No.: 13641024477;15910870754

Skype: eastrenergy; leslie\_1008

Wechat/Whatsapp:0086-13641024477

QQ: 64570386

Email: multifit@multifitele.com Email:64570386@qq.com

Website: <http://www.multifitele.com>

Facebook:[multifit@multifitele.com](https://www.facebook.com/multifit@multifitele.com)

