



INTEGRATED SOLAR STREET LIGHTS



PRODUCT INTRODUCTION

An integrated solar street light system which combines the green-energy parts of **solar panel**, **LED lamp** and the **Li-Fe battery** into a single product. This all-in-one product, together with a **motion detector**, offers a solution of low-energy consumption, long-lasting and high-luminance as well as free maintenance for at least five years. The intelligent controller and sensor meet different control requirements, and at the same time, this product it is convenient in shipment (one light per box) and installation.

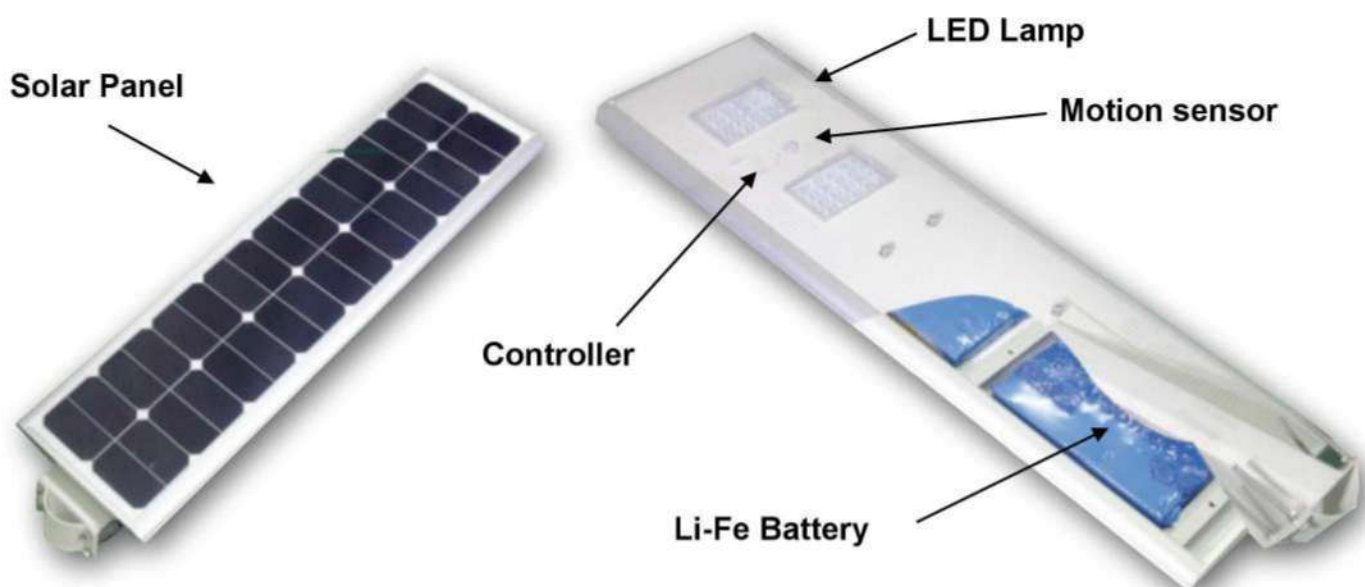


PRODUCT FEATURES

Solar panel, battery and LED lamp are all-in-one and waterproof. The shell is made from aluminium alloy, working together with waterproof and airless technology which is easy to install as there is no need of connection or wiring. Applicable for outdoors it is dustproof, waterproof, anti-static and shocking resistance. Its high quality parts enhance the lifetime of the product to more than 9 years.

Easy to be dismantled, assembled, carried and transported. A high-efficient solar panel supplies power for lithium battery which is explosion-proof and heat resistant.

High-efficient power generation, large capacity, high light efficiency, small volume, long life span, light weight and handy carrying. High quality at an accessible price.



THE ADVANTAGES OF THE LATEST PRODUCT

COB SOLAR LIGHT

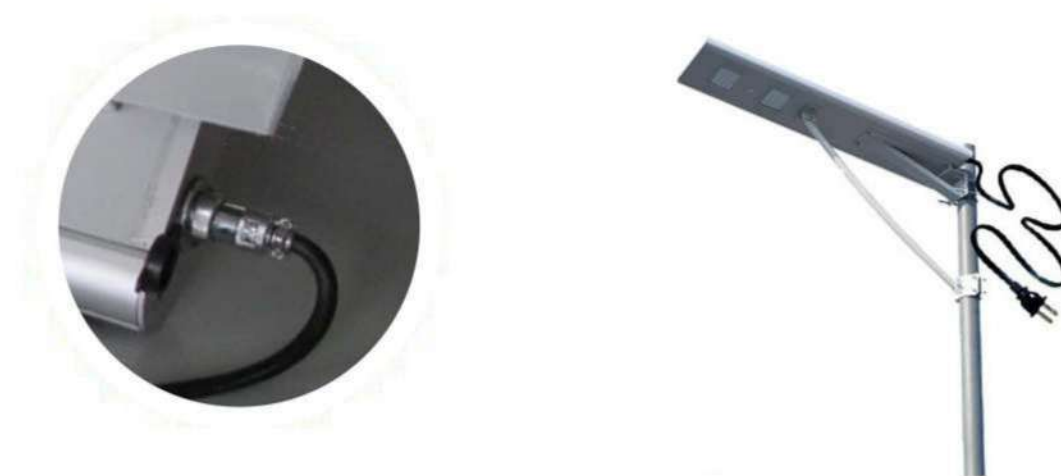
COB (Chip on Board) is a kind of LED that combines a lots of led chips on a small board. With the help of special lens, the light ray is more intensive so that to look brighter than the one produced with separated led chips. Please note that the heat emission with COB chip is not that good and that it can only be used on our 20w-80w integrated solar streetlights.



HYBRID SOLAR LIGHT

The **hybrid solar light** priority is to use the solar energy, only when the battery is empty it automatically change it using the grid power.

This light widely used on our 30w to 80w solar light, and installed in some power lacking but strict with the road lighting areas.



An integrated design, easy to ship and with a long service life. An all-in-one product easy to install, as well as for maintenance and replacement.

FEATURED PRODUCTS



PACKAGING DETAILS



APPLICATIONS

Car parks, paths and laneways
private and public roads
gates and entrances

Safety and security
Playgrounds, courtyards
Entrances, exits and muster areas
Outside storage areas, perimeter lighting

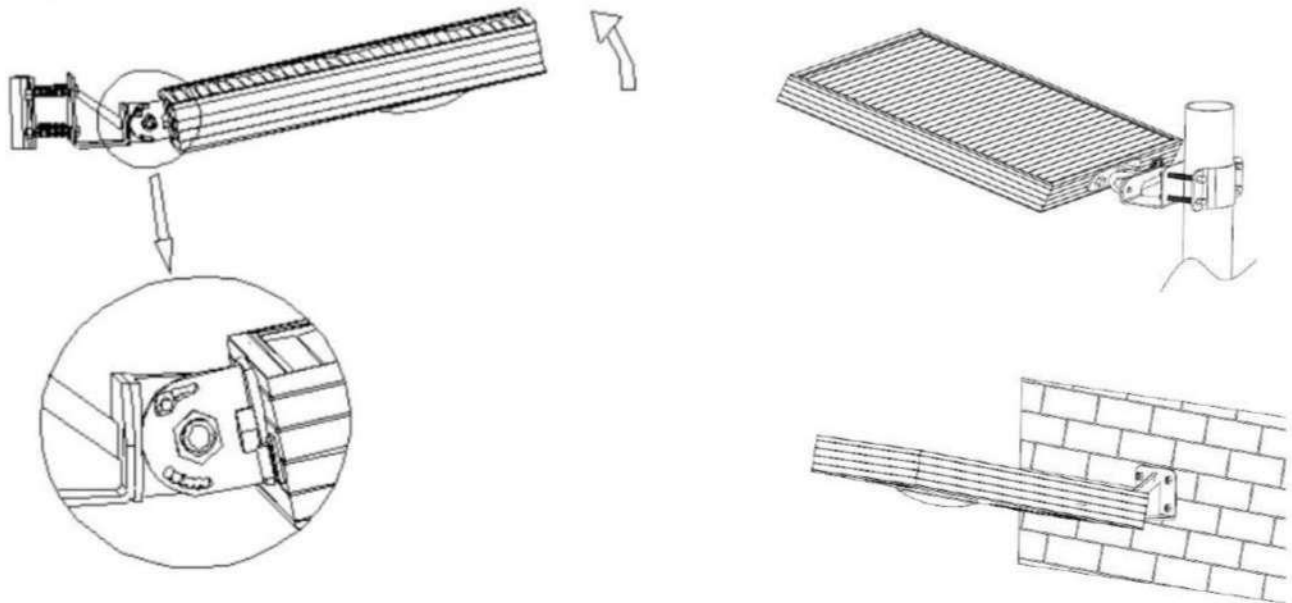
Remote areas
Where wiring is not economical nor practical

INSTALLATION

All instructions are supplied with components

Make the solar panel face south while installing.

Meanwhile, you can adjust the angel between the lamp head and level (as follow); reconcile the lamp head with local latitude.



Notes

- Install fuse - if present - before use (remove any film under it)
- Tool supplied to tighten the provided security bolts
- Face the solar panel as much towards the north as possible to maximise sun exposure (and therefore battery charge). As with all solar products, performance is wholly dependent upon the hours of direct sunlight and on the orientation of the solar panel.



We also offer a new mounting system for easy battery replacement, saving up to 30% freight/air costs. You just need to loose one screw to replace battery, controller and led lamp. Now it is widely used on our 20w-40w integrated solar streetlights.

Further more, it is possible to **install this all-in-one solar product on the previous pole with arm.** It can be used on our 15w-60w integrated solar streetlights.

PRODUCTS OVERVIEW



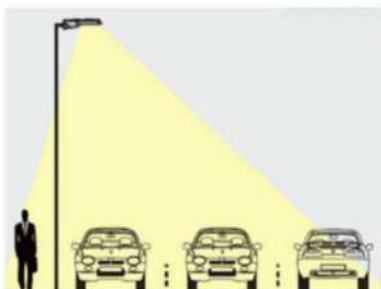
INTEGRATED GARDEN LIGHTS

LED SOURCE	18W	15W	12W	8W
Solar Panel	18v 45w	18v 30w	18v 20w	18v 20w
Lithium Battery	12.8v 12ah	12.8v 9ah	12.8v 6ah	12.8v 6ah
LED Brand	Bridgelux	Epistar	Epistar	Epistar
Lumen	1800lm	1500lm	1200lm	800lm
Color Temp	6000k			
View Angle	120			
Charge/Discharge Time	5-6h			
Mounting Height	4-5m	4-5m	3-4m	3-4m
Mounting Space	10-15m	10-15m	8-10m	8-10mm
Packing Size(mm)	960x380x210	830x380x210	560x380x140	560x380x140
Gross Weight	12kg	9.2kg	6.5kg	6kg



INTEGRATED STREETLIGHTS

LED SOURCE	40W	30W	25W	20W
Solar Panel	18v 60w	18v 60w	18v 50w	18v 50w
Lithium Battery	12.8v 24ah	12.8v 21ah	12.8v 21ah	12.8v 18ah
LED Brand	Bridgelux	Bridgelux	Bridgelux	Bridgelux
Lumen	4000lm	3000lm	2500lm	2000lm
Color Temp	6000k			
View Angle	120			
Charge/Discharge Time	5-6h			
Mounting Height	6-7m	6-7m	5-6m	5-6m
Mounting Space	15-22m	15-22m	12-17m	12-17mm
Packing Size(mm)	1190x390x210	1190x390x210	1190x390x210	1190x390x210
Gross Weight	19kg	18.5kg	18kg	17.5kg



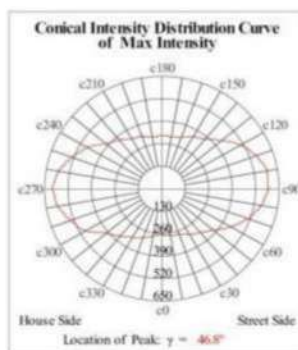
80W 70W 60W 50W

INTEGRATED HIGH POWER STREETLIGHTS

LED SOURCE	80W	70W	60W	50W
Solar Panel	18v 130w	18v 130w	18v 90w	18v 90
Lithium Battery	12.8v 54ah	12.8v 48ah	12.8v 42ah	12.8v 36ah
LED Brand	Bridgelux	Bridgelux	Bridgelux	Bridgelux
Lumen	8000lm	7000lm	6000lm	5000lm
Color Temp	6000k			
View Angle	120			
Charge/Discharge Time	5-6h			
Mounting Height	8-10m	8-9m	7-8m	7-8m
Mounting Space	25-30m	22-27m	20-25m	18-23mm
Packing Size(mm)	1300x650x210	1300x650x210	1190x520x210	1190x520x210
Gross Weight	37.4kg	36kg	23kg	22kg



L08 – 8W TECHNICAL SPECIFICATIONS



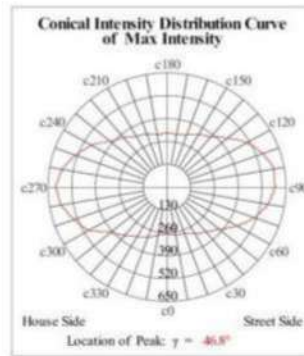
Model:	L08 (with sensor)	Mounting height (m):	3-4m
Solar panel Max power:	18V15W (high efficiency imported silicon solar cell)	Space between light(m):	8-10m
Solar panel Life time:	25 years	Lamps material of main:	aluminium alloy
Battery Type:	lithium battery (Life time 5 years)	Certificate:	ISO / CE ROHS / IP65
LED Max power:	12V 8W	Warranty period:	3years
Led chip brand:	Epistar from Taiwan with high brightness	Unit size:	515*320*52mm
Lumen (LM):	800-880lm	N.W:	5.5kg
LED Life time:	50000hours	Inner box:	530*390*140mm
Lighting Viewing Angle:	120°	Carton size:	560*570*410mm
Charge time (by sun):	6-7hours (with enough strong shine)	Q'ty/ctn:	4sets/ctn
Discharge time:	more than 20 hours (saving mode)	GW.for carton:	26kg
Working TEMP(°C)	-20~+60	20GP container:	800pcs
CCT (k):	6500k-7000k	40GP container:	1600pcs

Remark:

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4. Quotation validity: 20 days.



L12 – 12W TECHNICAL SPECIFICATIONS



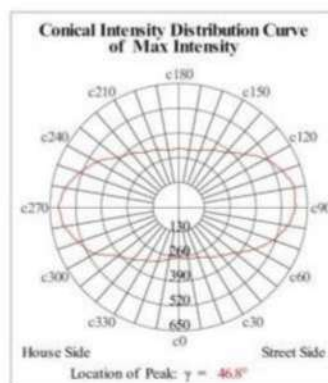
Model:	L12 (with sensor)	Mounting height (m):	3-4m
Solar panel Max power:	18V18W (high efficiency imported silicon solar cell)	Space between light (m):	8-10m
Solar panel Life time:	25 years	Lamps material of main:	aluminium alloy
Battery Type:	lithium battery (Life time 5 years)	Certificate:	ISO / CE ROHS / IP65
LED Max power:	12V 12W	Warranty period:	3years
Led chip brand:	Epistar from Taiwan with high brightness	Unit size:	515*320*52mm
Lumen (LM):	1200-1320lm	N.W:	5.8kg
LED Life time:	50000hours	Inner box:	530*390*140mm
Lighting Viewing Angle:	120°	Carton size:	560*570*410mm
Charge time (by sun):	6-7hours (with enough strong shine)	Q'ty/ctn:	4sets/ctn
Discharge time:	more than 20 hours (saving mode)	GW.for carton:	27kg
Working TEMP(°C)	-20~+60	20GP container:	800pcs
CCT (k):	6500k-7000k	40GP container:	1600pcs

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L15 – 15W TECHNICAL SPECIFICATIONS



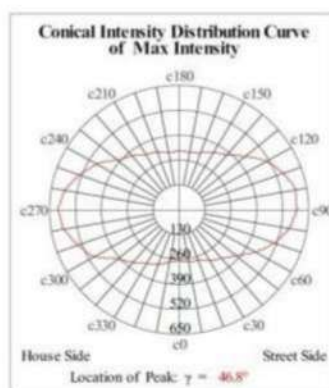
Model:	L15 (with sensor)	Mounting height (m):	4-5m
Solar panel Max power:	18V/25W (high efficiency imported silicon solar cell)	Space between light (m):	10-15m
Solar panel Life time	25 years	Lamps material of main:	aluminium alloy
Battery Type	lithium battery (Life time 5 years)	Certificate:	ISO / CE ROHS / IP65
LED Max power	12V 15W	Warranty period:	3years
Led chip brand	Epistar from Taiwan with high brightness	Unit size:	650*350*60mm
Lumen (LM)	1500-1650lm	N.W:	81 kg
LED Life time	50000hours	Inner box:	700*420*130mm
Lighting Viewing Angle	120°	Carton size:	730*450*300mm
Charge time (by sun):	6-7hours (with enough strong shine)	Q'ty/ctn:	2sets/ctn
Discharge time	more than 20 hours (saving mode)	GW.for carton:	20kg
Working TEMP(°C)	-20~+60	20GP container:	650set
CCT (k)	6500k-7000k	40GP container:	1300set

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L18 – 18W TECHNICAL SPECIFICATIONS



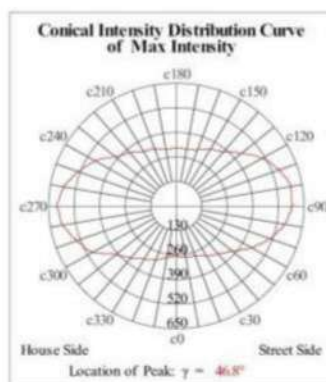
Model:	L18 (with sensor)	Mounting height (m):	5-6m
Solar panel Max power:	18V40W (High efficiency monocrystalline silicon)	Space between light (m):	18-20m
Solar panel Life time:	25 years	Lamps material of main:	aluminium alloy
Battery Type:	lithium battery (Life time 5 years)	Certificate:	ISO / CE ROHS / IP65
LED Max power:	12V 18W	Warranty period:	3years
Led chip brand:	Bridgelux from USA with high brightness	Unit size:	920*325*43mm
Lumen (LM):	2160-2340lm	N.W:	12kg
LED Life time:	50000hours	Inner box:	960*380*195mm
Lighting Viewing Angle:	120°	Carton size:	960*380*195mm
Charge time(by sun):	6-7hours (with enough strong shine)	Q'ty/ctn:	1 set/carton
Discharge time:	more than 20 hours (saving mode)	GW.for carton:	14.5 kg
Working TEMP(°C)	-20~+60	20GP container:	580 sets
CCT (k):	6500k-7000k	40GP container:	1200 sets

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L20 – 20W TECHNICAL SPECIFICATIONS



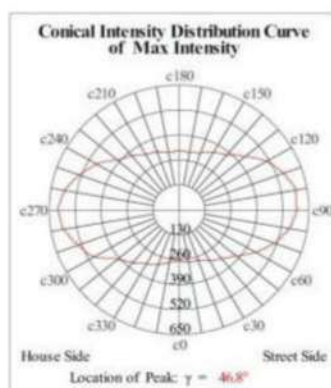
Model:	L20 (with sensor)	Mounting height (m):	5-6m
Solar panel Max power:	18V50W (Sunpower solar panel)	Space between light (m):	18-20m
Solar panel Life time:	25 years	Lamps material of main:	aluminium alloy
Battery Type:	lithium battery (Life time 5 years)	Certificate:	ISO / CE ROHS / IP65
LED Max power:	12V 20W	Warranty period:	3years
Led chip brand:	Bridgelux from USA with high brightness	Product size:	1150*330*140mm
Lumen (LM):	2400-2600lm	Product weight:	17kg
LED Life time:	50000hours	Inner box size:	/
Lighting Viewing Angle:	120°	Carton size:	1190*400*220 mm
Charge time(by sun):	6-7hours (with enough strong shine)	Q'ty/ctn:	1 set/carton
Discharge time:	more than 20 hours (saving mode)	GW.for carton:	17.8 kg
Working TEMP(°C)	-20~+60	20GP container:	270sets
CCT (k):	6500k-7000k	40GP container:	550sets

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L25 – 25W TECHNICAL SPECIFICATIONS



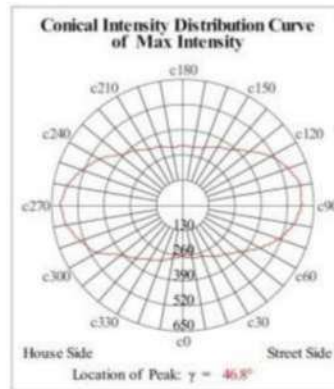
Model:	L25 (with sensor)	Mounting height (m):	5-6m
Solar panel Max power:	18V/50W (Sunpower brand high efficiency imported silicon solar cell)	Space between light (m):	18-20m
Solar panel Life time	25 years	Lamps material of main:	aluminium alloy
Battery Type	lithium battery (Life time 5 years)	Certificate:	ISO / CE ROHS / IP65
LED Max power	12V 25W	Warranty period:	3years
Led chip brand	Bridgelux from USA with high brightness	Unit size:	1150*330*140mm
Lumen (LM)	5000-5500lm	N.W:	17.65 kg
LED Life time	50000hours	Inner box:	/
Lighting Viewing Angle	120°	Carton size:	1190*400*220 mm
Charge time(by sun):	6-7hours (with enough strong shine)	Q'ty/ctn:	1set/ctn
Discharge time	more than 20 hours (saving mode)	GW.for carton:	18.6 kg
Working TEMP(°C)	-20~+60	20GP container:	270 set
CCT (k)	6500k-7000k	40GP container:	550 set

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L30 – 30W TECHNICAL SPECIFICATIONS



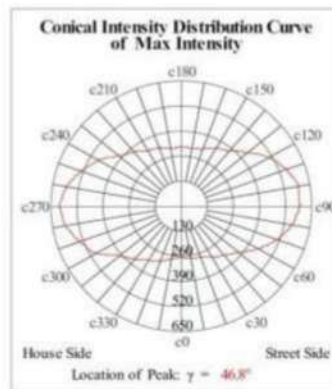
Model:	L30 (with sensor)	Mounting height (m):	6-7m
Solar panel Max power:	18V/60W (high efficiency imported silicon solar cell)	Space between light (m):	20-25m
Solar panel Life time	25 years	Lamps material of main:	aluminium alloy
Battery Type	lithium battery (Life time 5 years)	Certificate:	ISO / CE ROHS / IP65
LED Max power	12V 30W	Warranty period:	3 years
Led chip brand	Bridgelux from USA with high brightness	Unit size:	1150*330*140mm
Lumen (LM)	3600-3900lm	N.W:	18.5 kg
LED Life time	50000hours	Inner box:	/
Lighting Viewing Angle	120°	Carton size:	1190*400*220 mm
Charge time(by sun):	6-7hours (with enough strong shine)	Q'ty/ctn:	1set/ctn
Discharge time	more than 20 hours (saving mode)	GW.for carton:	19 kg
Working TEMP(°C)	-20~+60	20GP container:	270 set
CCT (k)	6500k-7000k	40GP container:	550 set

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L40 – 40W TECHNICAL SPECIFICATIONS



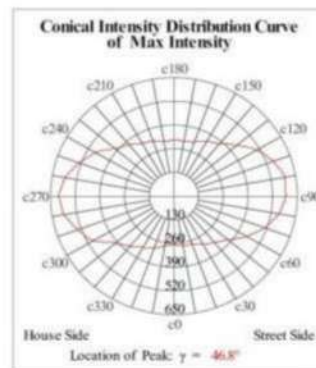
Model:	L40 (with sensor)	Mounting height (m):	6-7m
Solar panel Max power:	18V/60W (high efficiency imported silicon solar cell)	Space between light (m):	20-25m
Solar panel Life time	25 years	Lamps material of main:	aluminium alloy
Battery Type	lithium battery (Life time 5 years)	Certificate:	ISO / CE ROHS / IP65
LED Max power	12V 40W	Warranty period:	3 years
Led chip brand	Bridgelux from USA with high brightness	Unit size:	1150*330*140mm
Lumen (LM)	4800-5200lm	N.W:	19kg
LED Life time	50000hours	Inner box:	/
Lighting Viewing Angle	120°	Carton size:	1190*400*220 mm
Charge time(by sun):	6-7hours (with enough strong shine)	Q'ty/ctn:	1set/ctn
Discharge time	more than 20 hours (saving mode)	GW.for carton:	19.5 kg
Working TEMP(°C)	-20~+60	20GP container:	270 set
CCT (k)	6500k-7000k	40GP container:	550 set

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L50 – 50W TECHNICAL SPECIFICATIONS



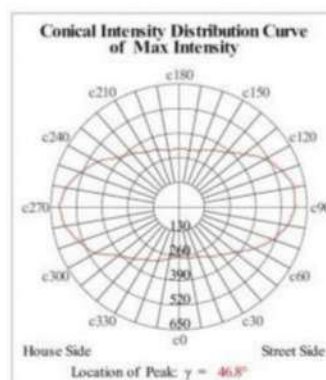
Model:	L50	Mounting height (m):	7-8m
Solar panel Max power:	18V/80W (high efficiency imported silicon solar cell)	Space between light(m):	25-30m
Solar panel Life time	25 years	Lamps material of main:	aluminium alloy
Battery Type	lithium battery (Life time 5 years)	Certificate:	ISO / CE ROHS / IP65
LED Max power	12V 50W	Warranty period:	2years
Led chip brand	Bridgelux from USA with high brightness	Unit size:	1080*450*153mm
Lumen (LM)	6000-6500lm	N.W:	20kg
LED Life time	50000hours	Inner box:	/
Lighting Viewing Angle	120°	Carton size:	1180*510*200mm
Charge time(by sun):	6-7hours (with enough strong shine)	Q'ty/ctn:	1sets/ctn
Discharge time	10 hours	GW.for carton:	22.5 kg
Working TEMP(°C)	-20~+60	20GP container:	215 set
CCT (k)	6500k-7000k	40GP container:	448 set

Remark:

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L60 – 60W TECHNICAL SPECIFICATIONS



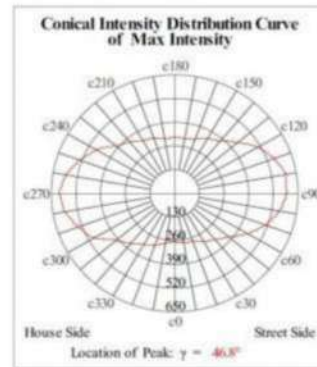
Model:	L60	Mounting height (m):	8-9m
Solar panel Max power:	18V/90W (high efficiency Sunpower brand imported silicon solar cell)	Space between light (m):	25-30m
Solar panel Life time	25 years	Lamps material of main:	aluminium alloy
Battery Type	lithium battery (Life time 5 years)	Certificate:	ISO / CE ROHS / IP65
LED Max power	12V 60W	Warranty period:	3years
Led chip brand	Bridgelux from USA with high brightness	Unit size:	1080*450*153mm
Lumen (LM)	6000-6600lm	N.W:	22.5kg
LED Life time	50000hours	Inner box:	/
Lighting Viewing Angle	120°	Carton size:	1180*510*200mm
Charge time(by sun):	6-7hours (with enough strong shine)	Q'ty/ctn:	1sets/ctn
Discharge time	10 hours	GW.for carton:	25 kg
Working TEMP(°C)	-20~+60	20GP container:	215 set
CCT (k)	6500k-7000k	40GP container:	448 set

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L70 – 70W TECHNICAL SPECIFICATIONS



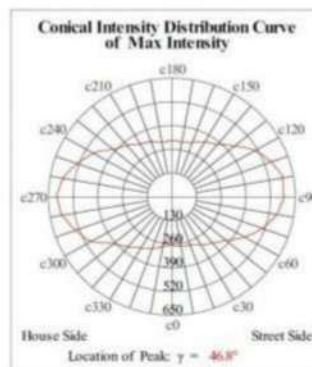
Model:	L70	Mounting height (m):	9-10m
Solar panel Max power:	18V/130W (high efficiency Sunpower brand imported silicon solar cell)	Space between light (m):	30-35m
Solar panel Life time	25 years	Lamps material of main:	aluminium alloy
Battery Type	lithium battery (Life time 5 years)	Certificate:	ISO / CE ROHS / IP65
LED Max power	12V 70W	Warranty period:	3years
Led chip brand	Bridgelux from USA with high brightness	Unit size:	1185*590*153mm
Lumen (LM)	7000-7700lm	N.W:	27.2kg
LED Life time	50000hours	Inner box:	
Lighting Viewing Angle	120°	Carton size:	1300*640*220mm
Charge time (by sun):	7-8 hours	Q'ty/ctn:	1sets/ctn
Discharge time	24 hours	GW.for carton:	28.5 kg
Working TEMP (°C)	-20~+60	20GP container:	150 set
CCT (k)	6500k-7000k	40GP container:	320 set

Remark:

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L80 – 80W TECHNICAL SPECIFICATIONS



Model:	L80 (with sensor)	Mounting height (m):	9-10m
Solar panel Max power:	18V/130W (high efficiency Sunpower brand imported silicon solar cell)	Space between light (m):	30-35m
Solar panel Life time	25 years	Lamps material of main:	aluminium alloy
Battery Type	12.8v 54AH lithium battery(Life time 5 years)	Certificate:	ISO / CE ROHS / IP65
LED Max power	12V 80W	Warranty period:	3years
Led chip brand	Bridgelux from USA with high brightness	Unit size:	1185*590*153mm
Lumen (LM)	7000-7700lm	N.W:	27.2kg
LED Life time	50000hours	Inner box:	
Lighting Viewing Angle	120°	Carton size:	1300*640*220mm
Charge time(by sun):	7-8hours	Q'ty/ctn:	1sets/ctn
Discharge time	24 hours	GW.for carton:	28.5 kg
Working TEMP(°C)	-20~+60	20GP container:	150 set
CCT (k)	6500k-7000k	40GP container:	320 set

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