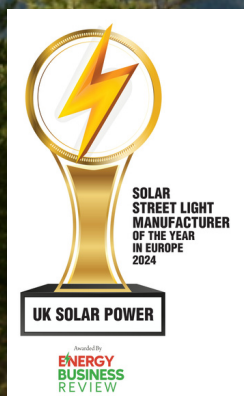




7 YEARS
WARRANTY

V9A-Haze Edition



CE | FC | IP65 | RoHS



Module Design



Energy Management
System



Optical Lens



Bat-Wing Light
Distribution



IP65

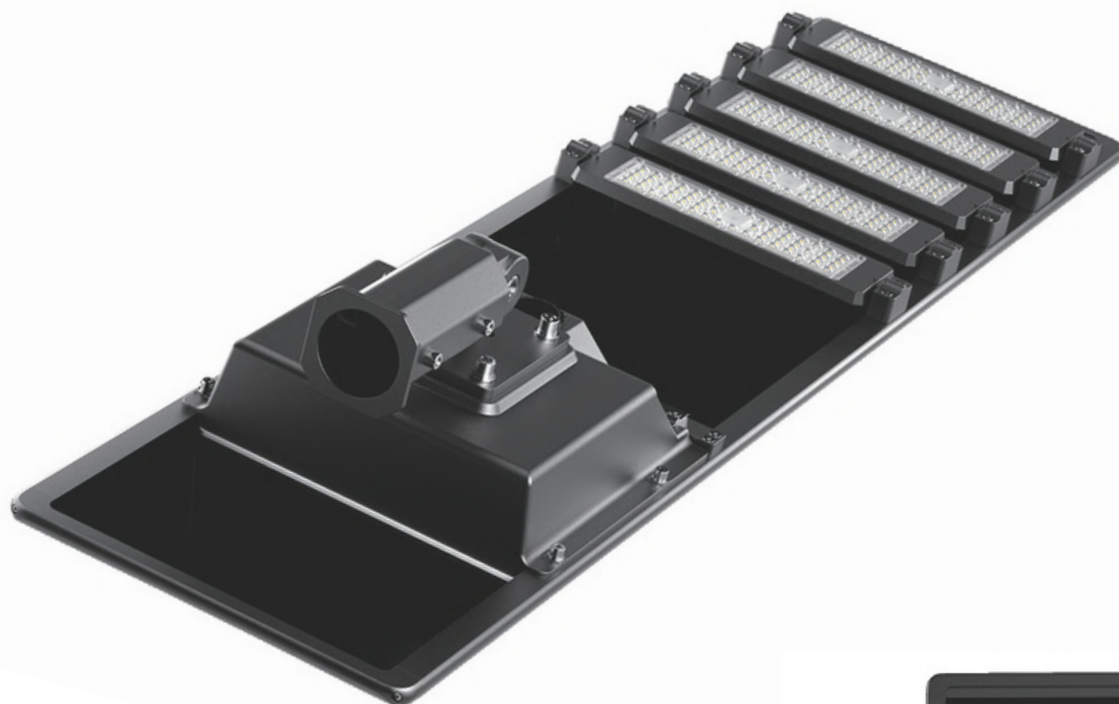


PIR/Microwave Sensor



Time Control

ALL IN ONE SOLAR STREET LIGHT



60 watt



80 watt

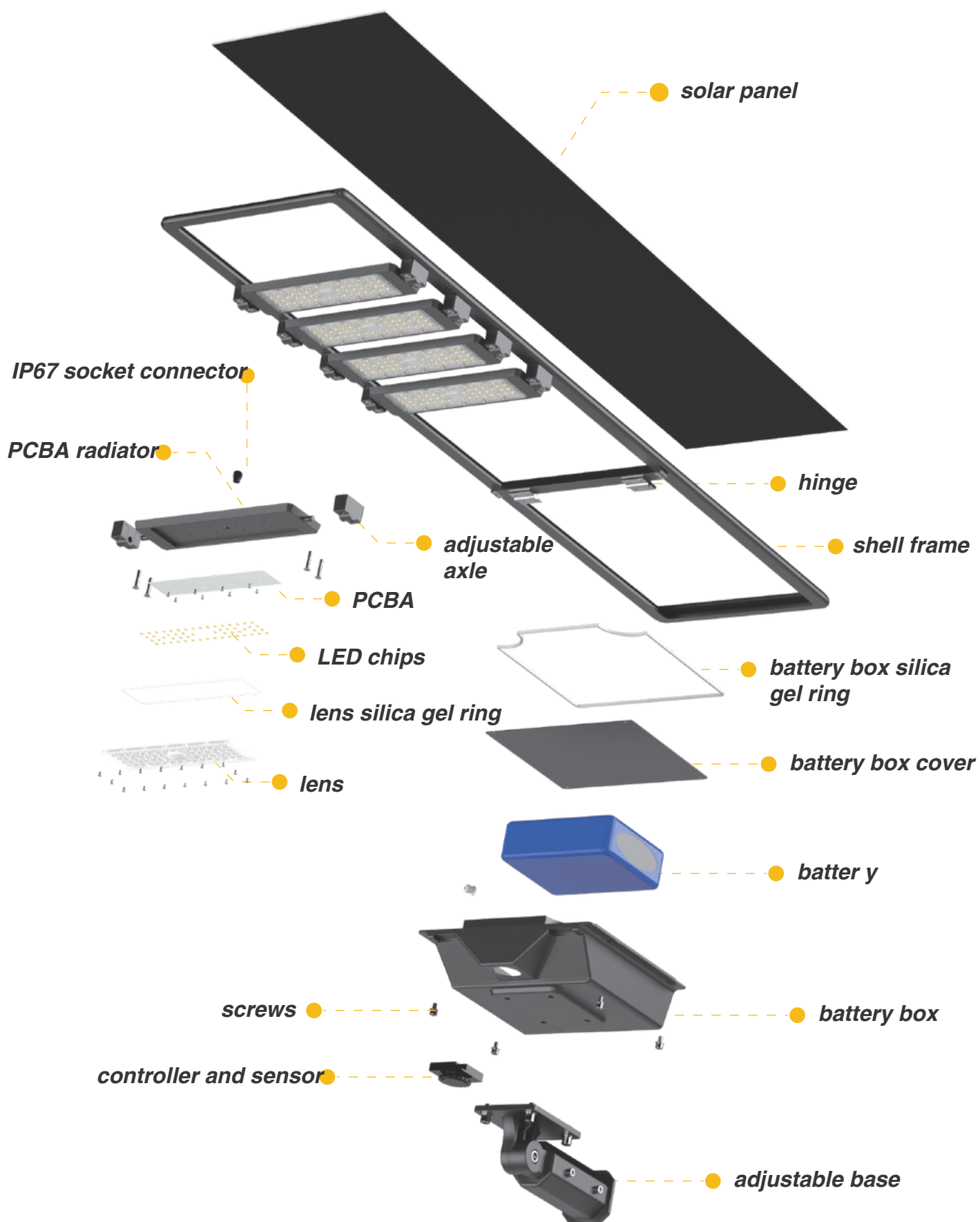


100 watt

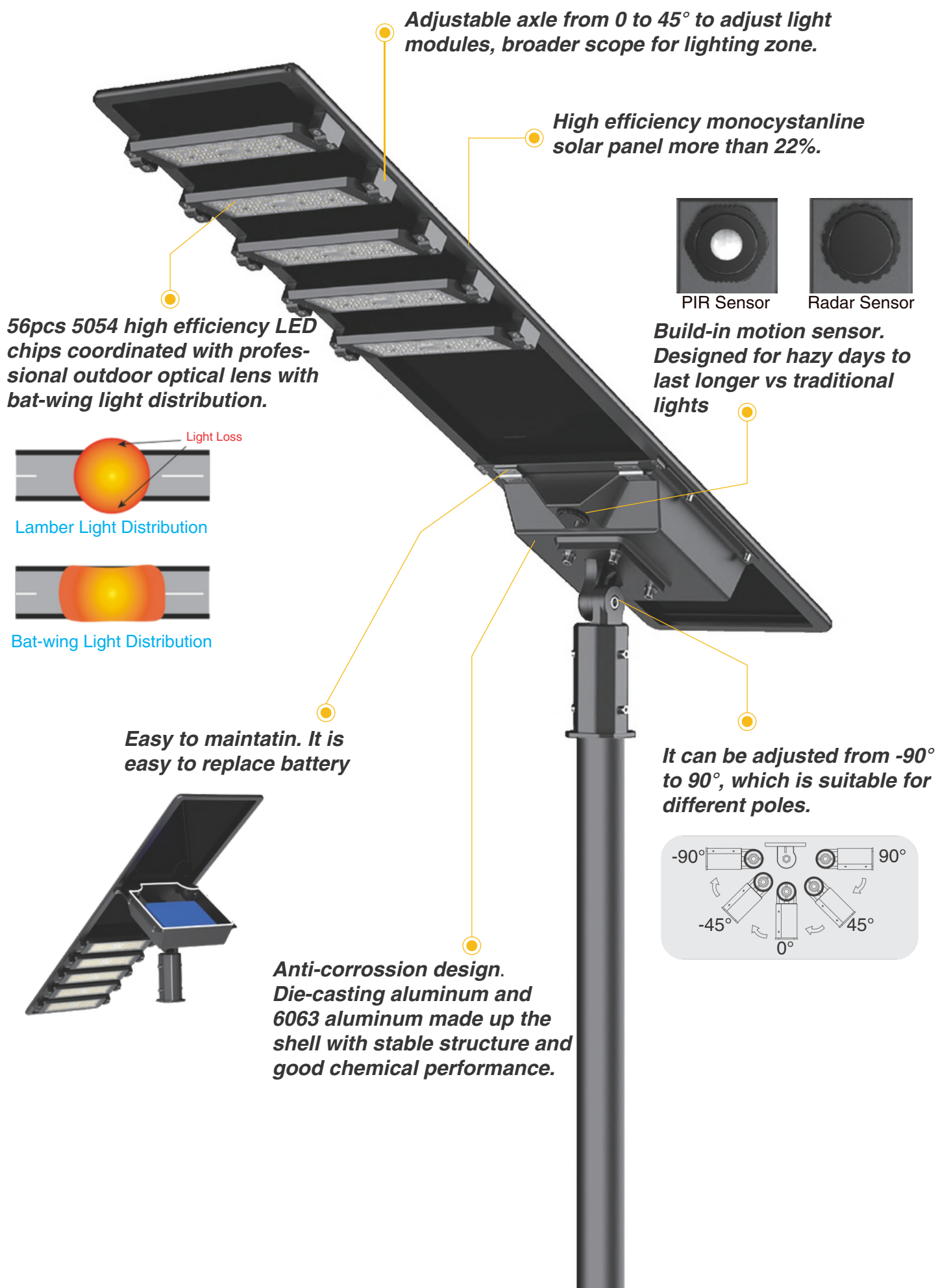


120 watt

2 - Components



3 - Features



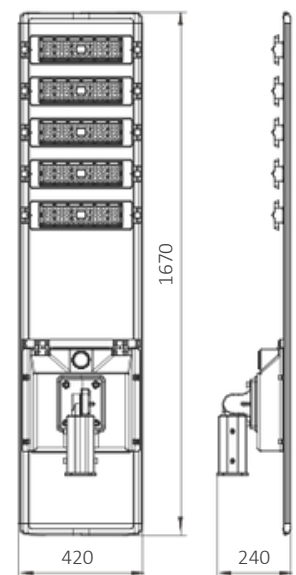
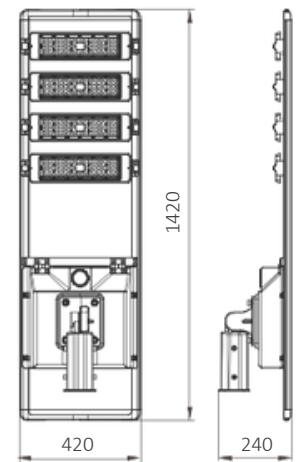
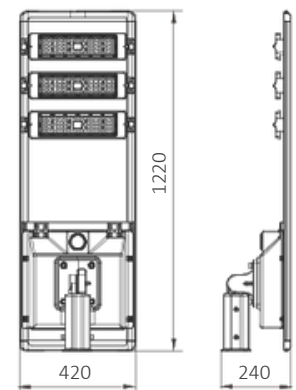
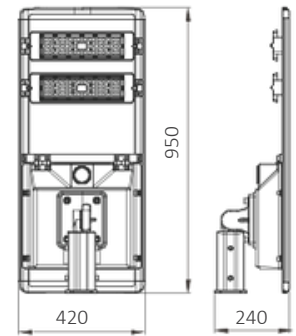
4 - Technical Data

Specifications

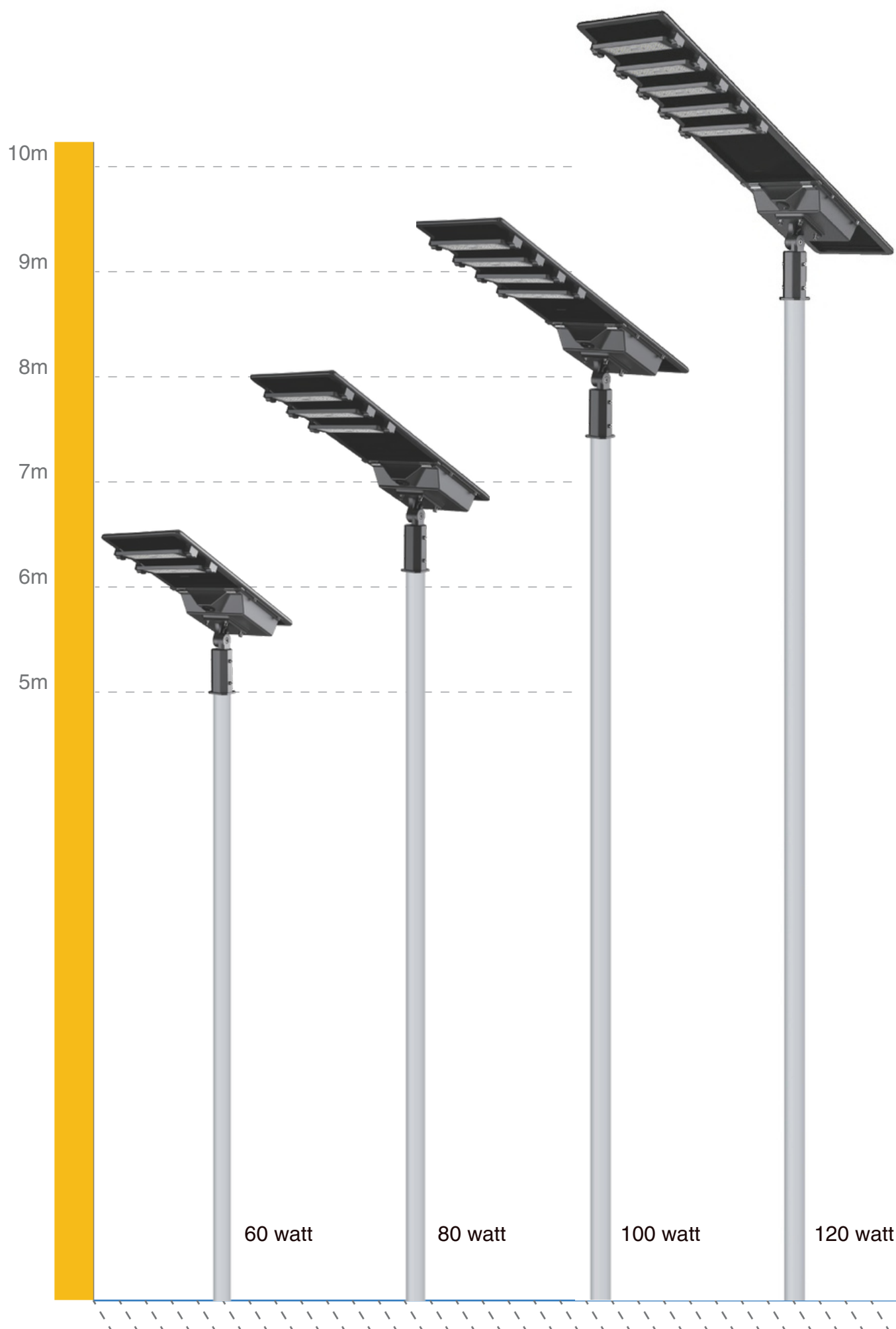
Model		ES-BZ60	ES-BZ80
General Parameters			
Qty. of LED Chips (pcs)		112	168
PV Module	Power (W)	60	80
Monocrystalline Silicon	Lifespan (year)	25	25
LiFePO4 Li-ion Battery Capacity(Wh)		384	461
Sensor			
Dimension of Product (mm)		950*420*240	1220*420*240
Net Weight of Product (kg)		14.4	16.8
LED Module Parameters			
Light output (W)		60	80
Typical Luminous Efficiency (lm/w)		200-220	200-220
Beam Angle		70~140°	70~140°
Color Temperature (K)		2700-6500(optional)	2700-6500(optional)
Working Parameters			
Min. Working Time (Hours)	Full Bright	1414	
	Dim mode	52 51.6	
Charging Time		7.2 6.5	
Working Mode		light control + time control + sensor control(optional)	
Packaging Parameters			
Light Package	Carton Size (mm)	985*450*165	1255*450*165
	Gross Weight (kg)	16.2	18.8
Extra Package (for Bracket)	Carton Size (mm)	290*220*225	290*220*225
	Gross Weight (kg)	6.1	6.1
Environment Requirements			
Charging temperature		0°C~60°C	0°C~60°C
Discharging temperature		-25°C~60°C	-25°C~60°C
Storage temperature		0°C~45°C	0°C~45°C
Mounting Recommendations			
Installation Height (m)		5~7	6~8
Installation Distance (m)		14~21	18~26
Installation Pole (mm)		60~76	60~76

Model		ES-BZ 1 0 0	ES-BZ 1 2 0
General Parameters			
Qty. of LED Chips (pcs)		224	280
PV Module	Power (W)	100	120
Monocrystalline Silicon	Lifespan (year)	25	25
LiFePO4 Li-ion Battery Capacity(Wh)		538	614
Sensor		PIR/Microwave	
Dimension of Product (mm)		1420*420*240	1670*420*240
Net Weight of Product (kg)		18.8	21.3
LED Module Parameters			
Light output (W)		100	120
Typical Luminous Flux (lm)		200-220	200-220
Beam Angle		70~140°	70~140°
Color Temperature (K)		2700-6500(optional)	2700-6500(optional)
Working Parameters			
Min. Working Time (Hours)	Full Bright		1616
	Dim mode		58.6 58
Charging Time			6.1 6.3
Working Mode		light control + time control + sensor control(optional)	
Packaging Parameters			
Light Package	Carton Size (mm)	1455*450*165	1705*450*165
	Gross Weight (kg)	20.9	23.7
Extra Package (for Bracket)	Carton Size (mm)	290*220*225	290*220*225
	Gross Weight (kg)	6.1	6.1
Environment Requirements			
Charging temperature		0℃~60℃	0℃~60℃
Discharging temperature		-25℃~60℃	-25℃~60℃
Storage temperature		0℃~45℃	0℃~45℃
Mounting Recommendations			
Installation Height (m)		7~9	9~10
Installation Distance (m)		22~30	25~35
Installation Pole (mm)		60~76	60~76

Physical Dimensions(mm)



5 - Recommended Installation Height



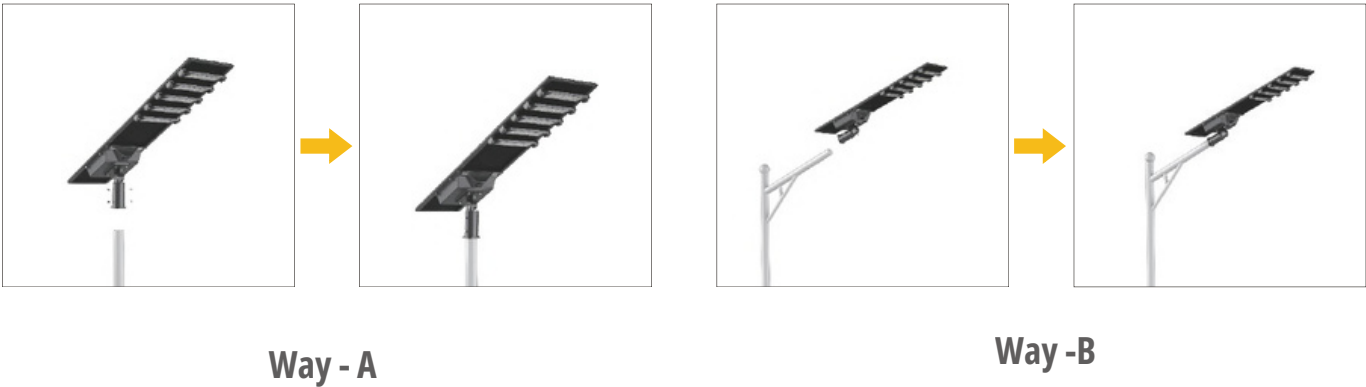
Package

Type		Q ty /c tn	Box Size(L*W*H) (mm)	Gross Weight (kg)
60Watt	lamp body + panel	1 set/ctn	985*450*165	16.2
80 Watt	lamp body + panel	1 set/ctn	1255*450*165	18.8
100 Watt	lamp body + panel	1 set/ctn	1455*450*165	20.9
120 Watt	lamp body + panel	1 set/ctn	1705*450*165	23.7

IOT Network and receivers is powered by LORA network and allows for real-time monitoring and changes to the light settings. Additionally it allows for activity monitoring and sensor controls.

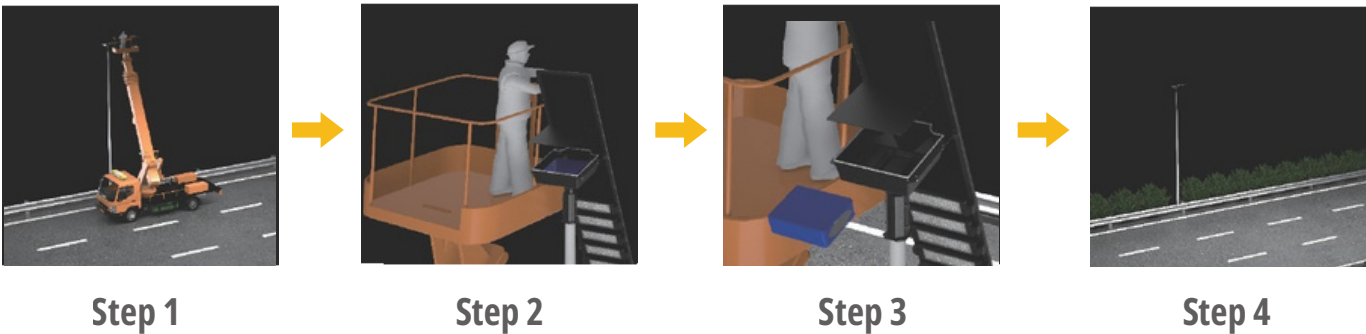
Installation

Two installation ways to match different poles.



Maintenance

Four steps for quick replacement.
within 15 mins



7 - Application Cases

