PHILIPS

Urbanspark
Mounting Instructions
(VI.0)



Important Safety Notice

The battery presents a risk of electrical shock and a high short circuit current. The Philips mounting instructions must be strictly followed, otherwise potential application, reliability, or safety issues may arise. Contact your local Philips service if the instructions cannot meet special field conditions.

Only a qualified Philips service representative who is knowledgeable in batteries and the required precautions is permitted to service the battery. Keep unauthorized personnel away from batteries.

Danger:

- 1. The battery package maybe explode by shock, please be careful during handling.
- 2. When moving batteries. Wear all appropriate safety clothing and equipment.
- 3. Prohibit dispose of the batteries in a fire. The batteries could explode.

Caution:

- 1. The misuse of this equipment could result in human injury and/or equipment damage. In no event will Philips be responsible or liable for either indirect or consequential damage or injury that may have resulted from the misuse of this equipment.
- 2. Use tools with insulated handles to avoid inadvertent shorts.
- 3. Verify circuit polarities before connecting.
- 4. Connect sequence: a) connect **load**,; b) connect **battery**; c) connect **charging** source.
- 4. Disconnect sequence: a) disconnect **charging source**; b) disconnect **battery**; c) disconnect **load**.

Warning:

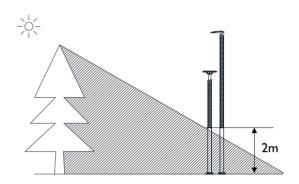
- 1. Failure to replace a battery before it becomes exhausted may cause the case to crack, possibly releasing electrolytes from inside the battery and resulting in secondary issues such as odor, smoke, and fire.
- 2. The battery system must be in proper maintenance according to the "Maintenance" manual in this book. This is essential for safety and the reliability of the lighting system.
- 3. Do not dispose of batteries except through channels in accordance with local, state and federal regulations.

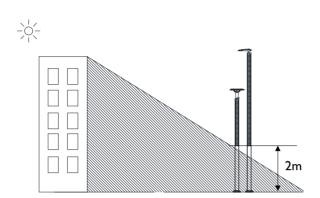
Notice: The mounting instructions in this document is for standard solar lighting system installation. It is vitally important that you observe the precautions recommended in this manual.

Field selection

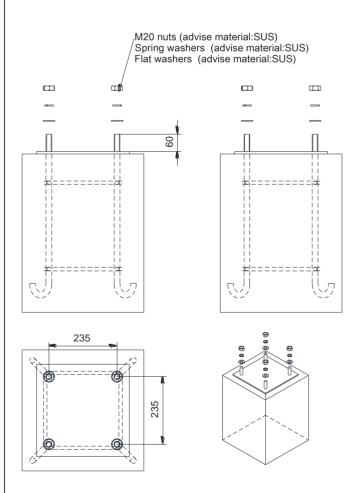
Avoid Locations in the shade of the trees or buildings, if you can not avoid the shade, you must ensure the shade below the 2m of the pole.

If you do want to install the system at a shade area, please consult to Philips professional people.





Pole foundation and anchor bolts

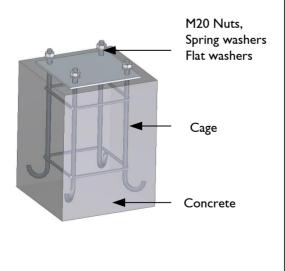


Note:

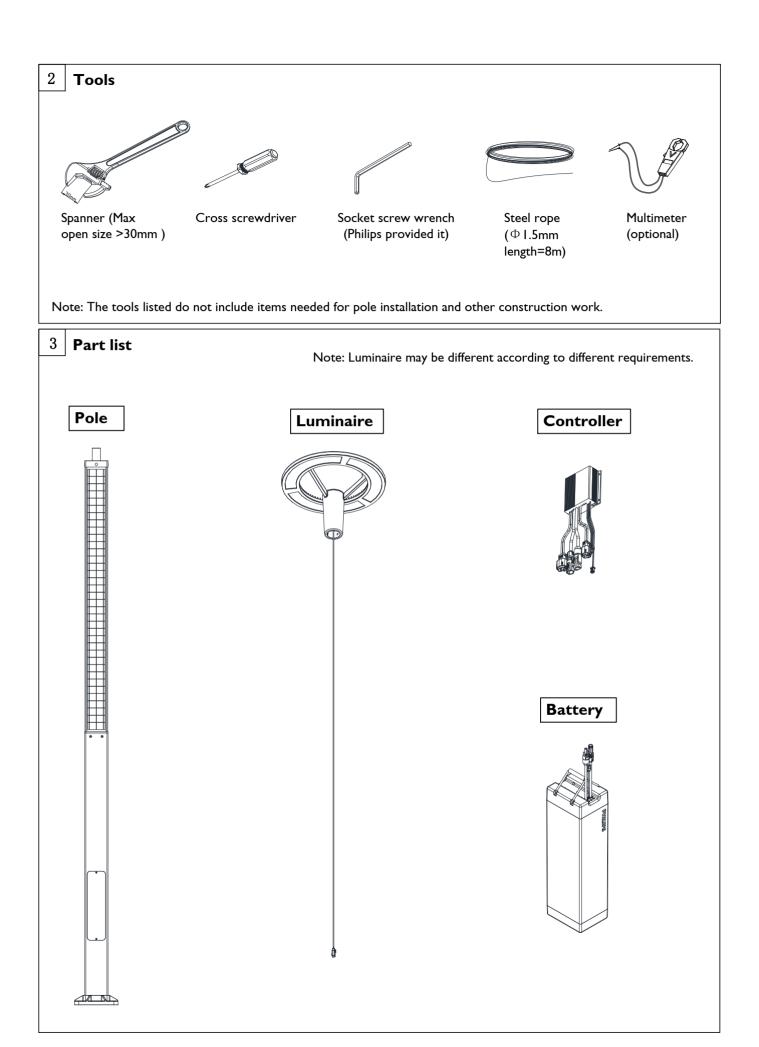
- I. The material is not provided by Philips,
- 2. The anchor bolts location dimensions must be follow the drawings,

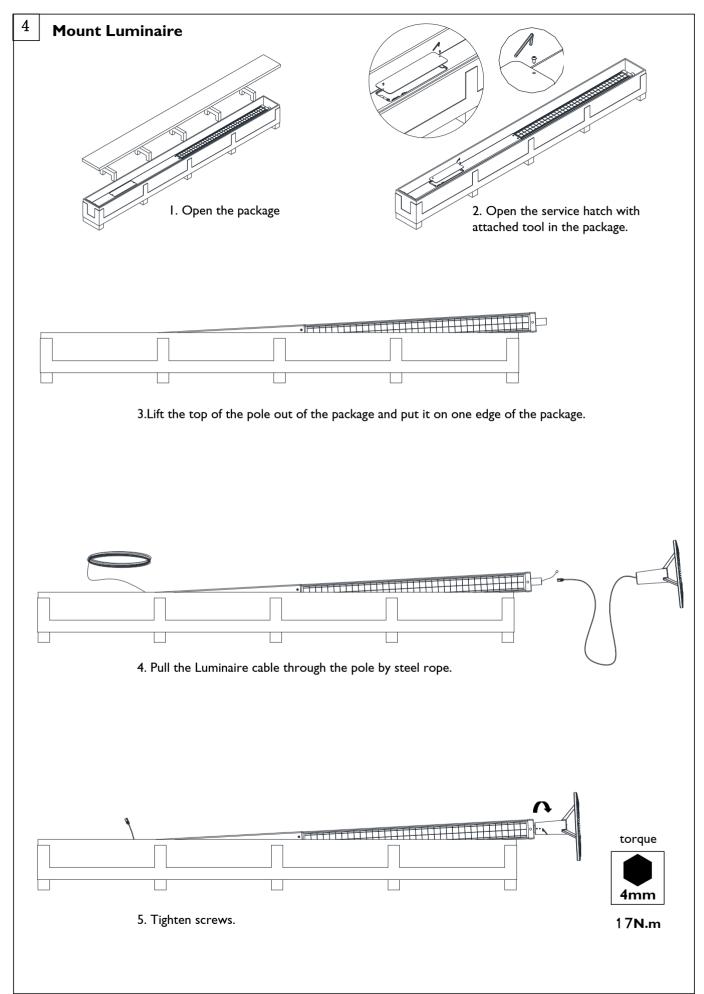
The concrete base size is different due to local soil condition. You may consult to local installation contractor.

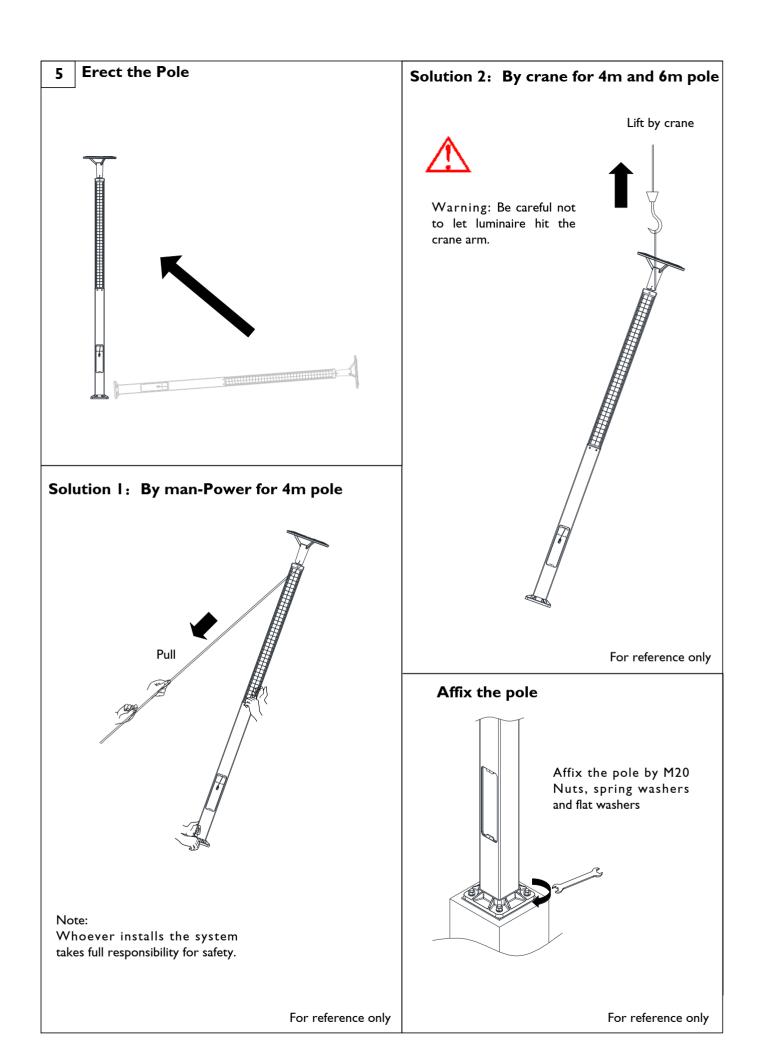
3. You are just allowed install pole after the concrete base solidification completely.

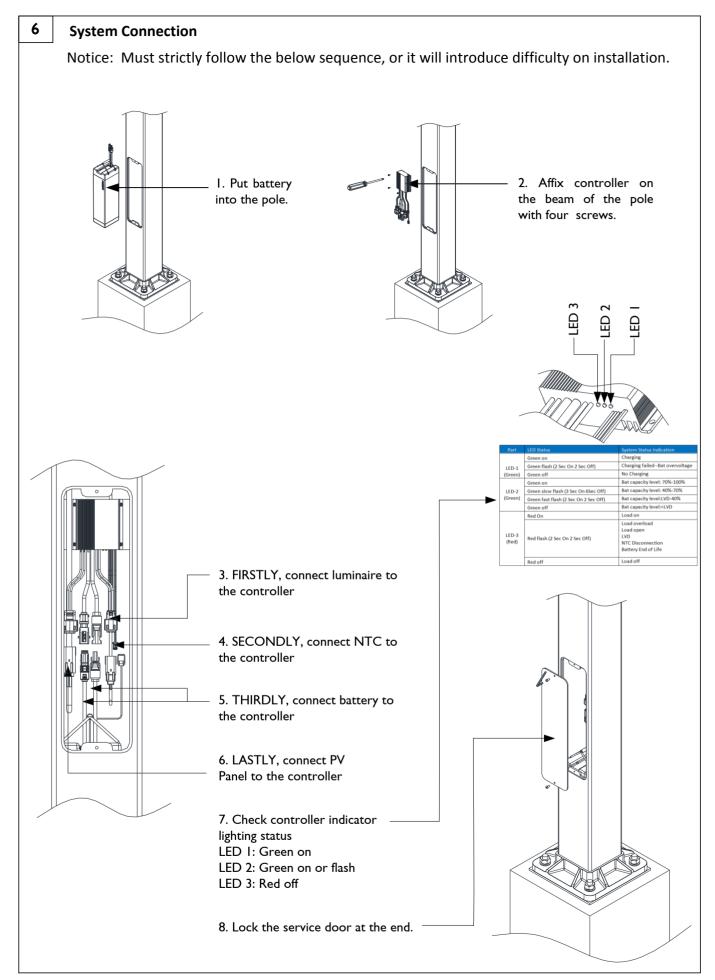


(unit: mm)









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Proi	-		1		
	ect Name	Project Location			
Scope of check					
Site	Consrtuctor				
No.	Item	Description	Result		Remark
1	Installation location	If the installation location avoid the shade of the trees or buildings	□ yes	□ No	
2	Base	If structural strength of base meet loacl pole requirement	□ yes	□ No	
3	Anchor bolts	If the anchor bolts location dimensions follow the MI	□ yes	□ No	
4	Products	If all components no damaged	□ yes	□ No	
5	Bolts	If four bols are fixed	□ yes	□ No	
6	Work status	If the work status comply to the request	□ yes	□ No	
7	Luminire	If the luminaire can light on	□ yes	□ No	
8	PV panel	If the PV panel can charge the battery normally.	□ yes	□ No	

Troubleshooting

	Firstly, Check if you were followed the connection sequence we mention prior. if not, please disconnect one of the battery cable, and reconnect it, wait for 2-5 minutes, if still no light, please check follow below steps			
	luminaire disconnect	Check if the the connection of luminaire is loosing		
	luminaire overload	Replace a luminaire which suit for the system		
No light	luminaire broken	Replace a good luminaire		
110 115111	NTC disconnect	Connect the NTC		
	NTC cable borken	Replace a good NTC cable		
	LVD	Wait for several sun days for		
		recovering battery or recharge		
		the battery by charger		
	battery End of life	Replace a good battery		
	battery broke	Replace a good battery		
	CC broken	Replace a good controller		
	Panel is interfered by other light	Check if there is other light		
	source	source irradiate at panel		
	Programe incorrect	Re-burning the programe		
		Wait for several sun days for		
less work time	Battery volume is low	recovering battery or recharge		
of light		the battery by charger		
	luminaire power is high	Re-burning the programe		
	Part or all PV panel disconnection	Connect all PV panel		
	dimming mode	Re-burning the programe		
low illuminance	RTE work mode enable	Re-burning the programe		
	Power less than spec	Re-burning the programe		
	LED chip broken	Change LED PCB or luminaire		

Maintenance

Maintenance

Panel

- ----- Normally you don't need to clean the panel frequently. It depends on the local environment;
- ----- If in heavy dust area, It is required to clean the solar module regularly with a damp towel to guarantee optimum performance of the solar panel;
- ----- Do not use any type of solvent for cleaning and be careful not to put too much pressure on the module while cleaning;
- ----- You Should clean small ads regular;
- ----- You should trim the trees and branches which cover the PV panel regular;

Battery

- ----- Battery normally does not need any maintenance within the warranty. If any abnormal symptom or special requirement, suggest following test can be taken:
- 1. Check whether there is some loose connection;
- 2. Measure and record ambient temperature in the pole;
- 3. Check the battery if it has deformation;

Battery Storage

The battery should be stored in clean and dry environment.

Storage time: battery is ex-work in fully charged, storage time should be limited. For ensuring battery performance, do not exceed storage time as following definition:

Under $-20^{\circ}\text{C} \sim 25^{\circ}\text{C}$, six months; Under $-20^{\circ}\text{C} \sim 35^{\circ}\text{C}$, three months; Under $-20^{\circ}\text{C} \sim 45^{\circ}\text{C}$, one month;

Warning

- ----- The recycle of the used battery should strictly follow the local laws and regulations. It is forbidden to handle the battery as normal garbage for disposal;
- ----- Do not open, short circuit, or mutilate batteries as injury may occur;
- ----- Do not put the battery into a pool;
- ----- Never move battery by pulling the cables of the battery;
- ----- The installation is highly suggested during the day.
- ----- Only be charged with authorized charger by Philips.
- ----- Handle the panel pole and battery with great care during the installation and transportation;
- ----- **ALWAYS** keep sparks, flames and smoking materials away from the battery
- ----- In case of **FIRE**: To extinguish a fire of a battery, use CO2, foam, or dry chemical extinguishing media.

Do NOT discharge the extinguisher directly onto the battery. The resulting thermal shock may cause cracking of the battery case/cover.

Important

If you have ANY question concerning safety when working with the battery system, contact your local Philips sales/service representative to clarify any of the noted safety precautions, or, call the corporate office number listed on the back of this manual and ask for professional service.

Battery replacement I. Open the 2. Disconnect 3. take the old 4. Affix controller serve hatch; all cables and battery out take out the and replace a controller; new one; een flash (2 Sec On 2 Sec Off Red flash (2 Sec On 2 Sec Off) 5. FIRSTLY, connect luminaire to the controller 6. SECONDLY, connect NTC to the controller 7. THIRDLY, connect battery to the controller 8. LASTLY, connect PV Panel to the controller 9. Check controller indicator lighting status LED I: Green on LED 2: Green on or flash LED 3: Red off

10. Lock the service door at the

end.