DATA SHEET

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RAPIDLY DEPLOYABLE SOLAR LIGHTS

GU-RPSOL-8-5K
GU-RPSOL-20-5K
GU-RPSOL-30-5K

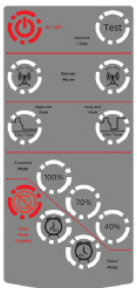
IP65 IK10 SAA CE

Description

The GUZU Rapidly Deployable Solar light has been developed for peak performance, autonomy and durability. IP65 ingress protection and IK10 impact rating ranks this as one of the toughest fittings in the market. The Rapid Solar Light Features LiFePO4 battery technology and advanced PWM solar charging to deliver continuous shining performance from dusk till dawn. The smart remote allows effortless set up of motion and dimming operation modes to maximise performance.

Remote, Batteries & battery charger

Remote



Batteries

5.8AH Battery (RP2-8-5K)
17.4AH Battery (RP2-20-5K)
29AH Battery (RP2-30-5K)

Battery charger

RPSOL-BATTCH

Technical Information

	GU-RPSOL-8-5K	GU-RPSOL-20-5K	GU-RPSOL-30-5K
Total Power:	8W	20w	36w
Power supply	17W Solar panel, 5.8AH LiFePO4	36W Solar panel, 17.4AH LiFePO4	54W Solar panel, 29AH LiFePO4
Run time (full power)	13 hrs	11 hrs	11.5 hrs
Lumen Output	1600LM	4000LM	6000LM
Efficacy	200LM/W		
Color Temperature	5000K		
CRI	70+		
Beam angle	80X150 (H X V)		
Light module tilt	±40°		
Charge time	7hrs		
Dimmable	Yes, via remote		
Temperature range	0-66°C		
IP Rating:	IP65		
IK Rating:	IK10		
Dimensions (LxWxH):	500 x 290 x 80mm	660 x 420 x 94mm	900 x 420 x 94mm
Materials/construcion:	Cast aluminium body,PC lens, 304 stainless fittings		
Certifications:	CISPR15 (EMC), UN38.3, Level 12 wind test, EN 60598-2-3:2003 + A1:2011, IP65, IK10, SAA		

INSTALLATION GUIDE

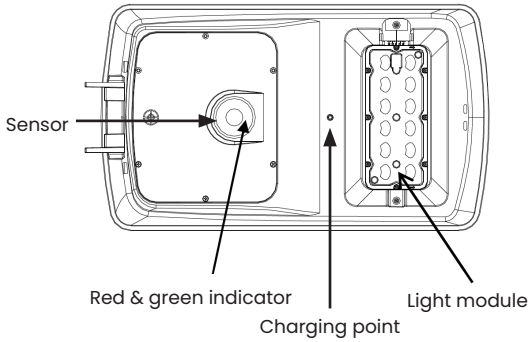
Pre-installation notes:

- The average full sun exposure period in the installation location should be above 3.5 hrs per day in order to ensure a normal battery function
- Always install the solar light in a position with the solar panel facing the equator for charging optimisation (north in southern hemisphere).
- For best results, adjust tilt to at least 15 degrees for northern states and up to 35 degrees for southern states. This helps with charging optimisation and self cleaning.
- Ensure the angle of the solar panel is adjusted to

Pre-installation checks & tests:

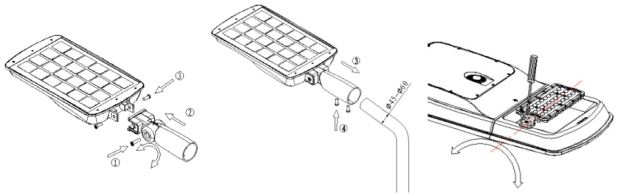
- Please make sure you conduct these tests and checks before mounting the solar light.
- Remove the security plug from the remote control.
- Press the ON/OFF button on the remote control.
- Check that the red indicator light within the sensor is illuminated.
- If the red indicator light within the sensor is illuminated, cover the panel and check if the solar light turns on (normally within 1 minute).
- If the green indicator light within the sensor is illuminated instead of the red, use a charger to charge the inbuilt battery. Chargers are not included in each box but are available upon request. It may require a few hours to charge the inbuilt battery.
- Before installation ensure battery is charged. Reference diagram below.
- We highly recommend charging all solar lights before installation for a minimum of 4 hours before installation to ensure maximum operation, particularly in times of minimal sunlight or areas of limited sunlight. (Lights need to be ON to enable solar charging)
- To ensure battery life, the solar lights should be charged every 3 months when unused.
- Ensure the pole or mounting surface you are installing the solar light on is suitable for mounting the weight and wind effects on the solar light.

Red light		**Greenlight**	
Slow blinking	Charging	Lit	Battery >10%
Lit	Fully charged	Slow blinking	Battery <10%
Fast blinking	Error		

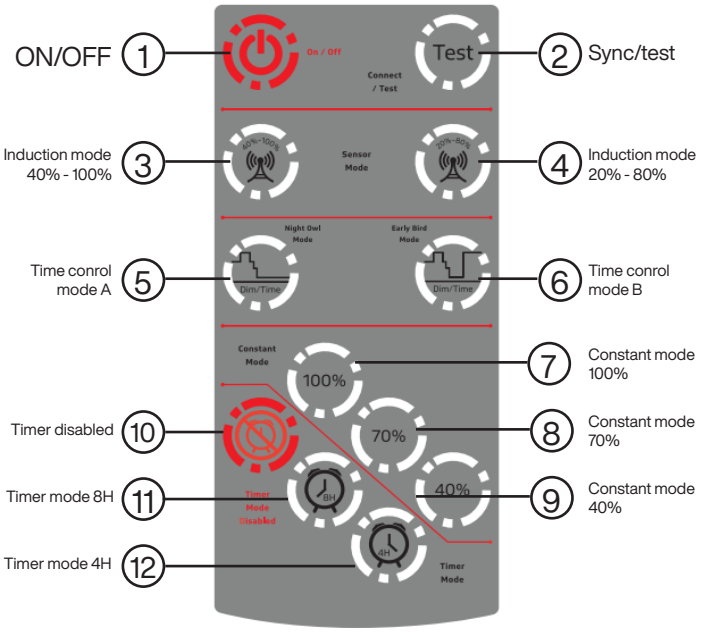


Installation:

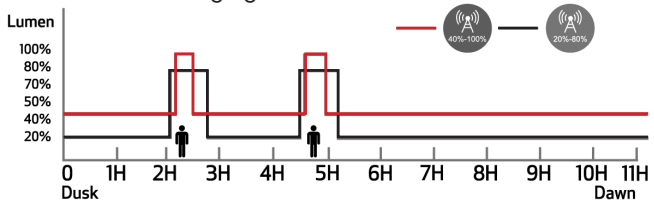
1. Remove the light and bracket from the box.
2. Install the bracket onto the light and adjust the angle to suit the installation (15-35 degrees recommended in instructions above).
3. Use the remote control to set the operation mode. The light module will flash twice when receiving signal from the remote control. The default setting is induction mode 40%-100%.
4. Mount the solar light to the pole securely and adjust the LED module angle to suit the installation.



Remote control operation & settings:

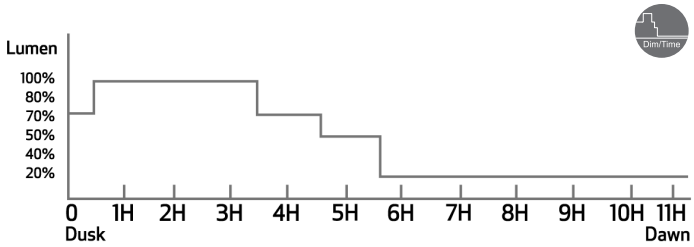


1. **ON/OFF**
   Turn the light ON or OFF (when turned OFF solar charging is disabled).
2. **Sync/test**
   To sync the remote control with the light, press and release the button. To test, press it once. After 10 seconds of test mode, the light goes back to the previous mode.
3. **Induction mode 40%-100%**
   This mode allows a constant 40% brightness (from dusk to dawn) unless motion is detected and then increases to 100% output for 120 seconds.
4. **Induction mode 20% - 80%**
   This mode allows a constant 20% brightness (from dusk to dawn) unless motion is detected and then increases to 80% brightness for 30 seconds. This mode increases the run time of the light and is very helpful for areas with decreased charging time frames.

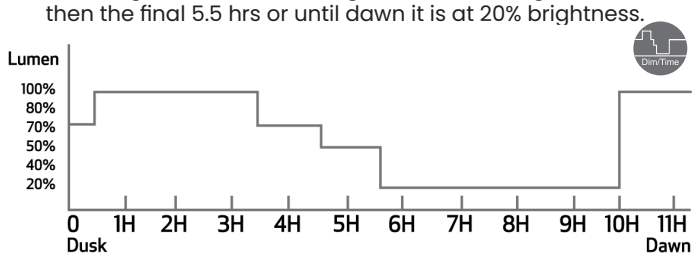


Remote control operation & settings continued

5. Time control mode A
This mode is a time based control mode. After dusk the first 0.5 hr is at 70% brightness, the following 3 hrs is at 100% brightness, the following 1 hr is at 70% brightness, the following 1hr is at 50% brightness, and then the final 5.5 hrs or until dawn it is at 20% brightness.



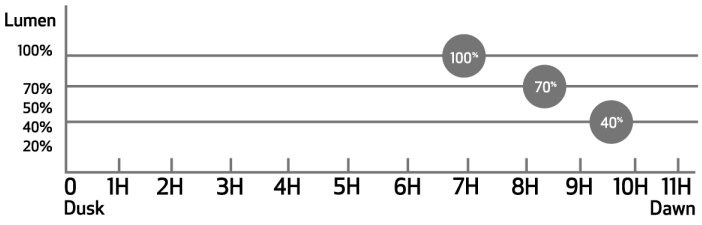
6. Time control mode B
This mode is a time based control mode. After dusk the first 0.5 hr is at 70% brightness, the following 3 hrs is at 100% brightness, the following 1 hr is at 50% brightness, then the final 5.5 hrs or until dawn it is at 20% brightness.



7. Constant mode 100%
This mode offers 100% brightness from dusk till dawn. Suitable for areas and seasons with sufficient sunlight charging during the day.

8. Constant mode 70%
This mode offers 70% brightness from dusk till dawn. Suitable for areas and seasons with sufficient sunlight charging during the day.

9. Constant mode 40%
This mode offers 40% brightness from dusk till dawn. Suitable for areas and seasons with sufficient sunlight



10. Timer disabled
This button is used to turn off "Timer mode". Settings default to the mode selected prior to timer activation.

11. Timer mode 4 hours
This mode turns the light completely off 4 hrs after dusk. For example: Press this button at any time: if the light turns on at 7pm, it will turn off at 11pm. The mode stays active until disabled with the "Timer disabled" button (10).

12. Timer mode 8 hours
This mode turns the light completely off 8hrs after dusk. For example: Press this button at any time: if the light turns on at 7pm, it will turn off at 3am. The mode stays active until disabled with the "Timer disabled" button (10).

Model	Constant mode	Light lasts
GU-RPSOL-8-5K	100%	13 Hrs
	70%	18.5 Hrs
	40%	32 Hrs
GU-RPSOL-20-5K	100%	11 Hrs
	70%	15 Hrs
	40%	27 Hrs
GU-RPSOL-30-5K	100%	11.5 Hrs
	70%	16 Hrs
	40%	28 Hrs

BATTERY AUTONOMY & OPERATING TIME

Operation times without charging the fitting battery will depend on the hours of sunlight, power output setting and the number of sensor activations of the Mirage solar light. An example of duration under such parameters can be examined in the chart below:

Model	Power Setting	Output Power Watts	Output Lumens	Operational Time Hours	Days of Autonomy (2hr at 100% 8hr at 20%)
MSL30	AUTO	30	6000	11.5	2.78
MSL20		20	4000	11	2.5
MSL8		8	1600	13	1.94

SENSE AREA DIAGRAM

Sensing technology: PIR sensor