

  
LUMENA  
SOLSPK7W-3  
Solar LED Spike  
Lights with  
Remote



# LUMENA SOLSPK7W-3 Solar LED Spike Lights with Remote User Manual

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**LUMENA SOLSPK7W-3 Solar LED Spike Lights with Remote**



## **WARNINGS**

PLEASE READ THESE INSTRUCTIONS CAREFULLY PRIOR TO INSTALLATION / MAINTENANCE

- If a fitting is found to be damaged, cease use immediately.
- The unit may get warm whilst on for a period of time.
- Always take care when installing your solar light, ensuring it is not a trip hazard.
- Secure all cabling to prevent tripping and other hazards, leaving slightly slack.
- All connections should be made as watertight as possible to avoid electrical shortage.
- Do not modify this fitting or it may void any warranty and result in an unsafe product. Always consult the manufacturer.
- Ensure all mounting instructions are followed.
- DO NOT INSTALL INTO THE GROUND BY PUSHING THE HEAD OF THE PRODUCT
- The unit will not charge correctly if the panel is behind glass or in artificial light.

## **SPECIFICATIONS**

- Kit Size: 3 luminaires, 1 solar panel
- Lamp: In-built COB LED Chips
- Wattage: 7W LED (per luminaire)
- Colour: 3000K (Warm White)
- Lumen Output: 630lm per luminaire (80lm/W)
- LED Projection: up to 5m
- LED Life Expectancy: up to 50,000 hours
- Max Illumination Time at Full Charge: up to 3 nights (varies by function)
- Battery Type: LiFePO4 (18650) 4AH 3.7V (2 pcs)
- Battery Charge Time: 6-10 hours
- Solar Panel: 6V 8W Polycrystalline (350 x 235mm)
- IP Rating: IP67
- Materials: Diecast Aluminium, Tempered Glass
- Cable Length: 2m per luminaire + 2m for panel / splitter (approx.)

- Working Temperature: -25°C ~ 60°C
- Mounting: Surface Mount / Ground Spike (included)
- Functions: Dusk to Dawn (max 12hrs), Timer (3hr, 5hr, 8hr), Adjustable Brightness, On/Off Override Dimming  
Sequence: 1hr @ 100%, 2hrs @ 70%, 4hrs @ 50%, 5hrs @ 30%
- Included: 3 x Lights, 4 x Ground Spikes, 1 x Panel, 1 x 3 way output cable,
- 1 x Remote Control (batteries included), 2 x hex key.



## CLEANING & MAINTENANCE

Occasional cleaning and care are recommended for this product. Wipe with a soft, slightly damp cloth to remove any surface dirt. To maintain efficiency, specifically clean the solar panel and LEDs on a regular basis. Keep the solar panel free of debris and snow to prevent reduced battery life or malfunction. Do not use abrasive cleaners or a lot of water as this could damage the fitting. Please refer to our website for more information on the best way to clean different materials.

## RETURNS & DISPOSAL:

If purchased from a 3rd party, please contact your supplier. If purchased direct, contact us by phone or email:  
Lumena Lights Ltd, Centre 33 Long March, Daventry, NN11 4NR Tel: +44 1327 871161 Email:  
[sales@lumenalights.com](mailto:sales@lumenalights.com)

Our full returns policy is available on our website.

Waste Electrical Products & Batteries should not be disposed of with household waste. Please check with your local authority or contact us for more information. Please recycle packaging whenever possible.

Producer Registration Numbers: WEE/KC3440XY / BPRN0843

## SOLAR TECHNOLOGY

This is a highly efficient solar light with high capacity Lithium Ion Phosphate batteries and a fast charging Polycrystalline solar panel. This means that even on partially cloudy and rainy days, it will re-charge efficiently. The high battery capacity stores enough power for illumination across multiple nights. The impressively bright LEDs are ideal for uplighting in flowerbeds via the ground spike installation, or for accent / amenity lighting on pergolas, walls and fences.

## INSTALLATION

The Solspike is designed to be mounted into soft ground, either in grass, borders or sand, both permanently and temporarily with easy movement. Alternatively, surface mount onto a wooden post, fence, wall or pergola and adjust the heads accordingly.

Location – It is important that the location of the solar panel is carefully considered, avoiding shady areas (up to 4m away from the luminaires). The best position is south-facing; however it will charge facing other direction, especially when in full sunshine. Ensure there are no other lights which could interfere with the fittings, imitating daylight.

Remove protective film from solar panel edging before use.

## CONNECTIONS

The Solspike uses a simple, modular, plug & play system (DC).

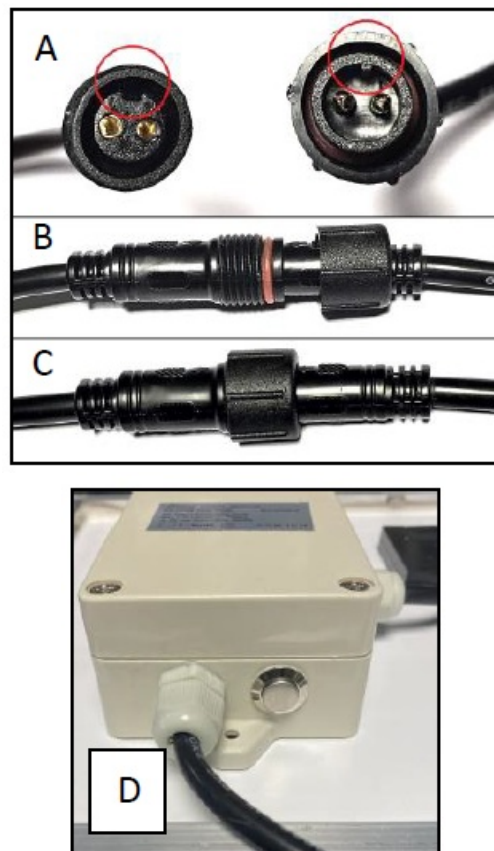
Connect the single male input connector from the 3 way splitter to the female output connector of the solar panel. Connect the single male input connector from each luminaire to one of the 3 female outputs connectors from the splitter.

**To connect together each waterproof connector:**

1. Locate the top notch and groove (see fig. A).
2. Firmly push together both connectors, aligning the top notch and groove (in point 1) and the 2 pins (see Fig. B)
3. Ensure the red o-ring is present (see Fig. B)
4. Secure the connectors with the screw cap (turning clockwise) to create a watertight connection (see Fig. C).
5. Turn on the system via the silver power button located on the side of the battery box (back of solar panel) to test all fittings are working as expected. Turn the power back off until fully installed.

**IMPORTANT:**

If buried or laid on a muddy surface, cable should be placed inside conduit or piping to protect from water-logging, damage and chemicals found in soil. If this method is not followed, cable warranty may be void. Cables can also be hooked up on fences safely, however protective sleeving is still recommended.

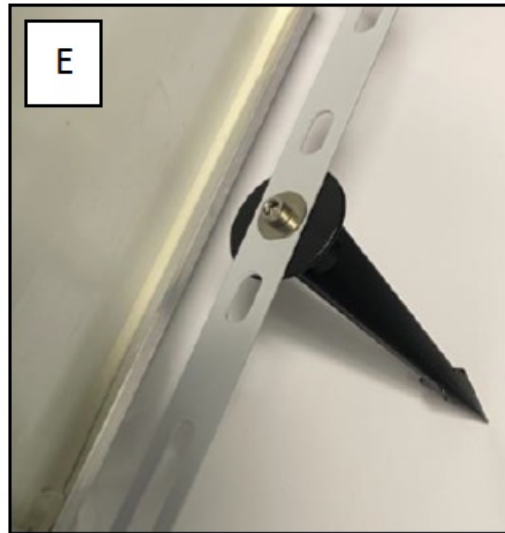


**SOLAR PANEL:**

**SPIKE MOUNTING**

1. Locate the ground spike in the accessories box.
2. Remove the socket screw & washer from the ground spike with the large hex key provided.
3. Place the spike underneath the U bracket, lining up with the predrilled centre hole.
4. Secure the spike to the Bracket with the socket screw / washer by hand, then tighten fully with the hex key provided (image E). TIP: for ease of tightening (due to little clearing for the hex key) hold the socket screw securely with the hex key and turn the spike to tighten.

5. Dampen the ground in the area where the panel is to be installed.
6. Carefully, push the spike into the ground to the desired depth via the top of the spike. Do NOT put pressure on the side of the U-bracket or panel itself, or force into hard ground or it will damage the bracket.
7. Gently compact the earth around the spike to ensure the spike is mounted firmly in the ground and does not move from side to side.
8. Adjust the head to the desired position and secure by tightening the 2 x butterfly nuts on each side of the U-Bracket.



### **SURFACE MOUNTING (fixings not supplied)**

1. Using a spirit level, draw a straight line on your chosen surface in the relevant location.
2. Use the U-bracket as a template to mark 2 x mounting holes along the level line. Choose between the two outer mounting holes or two inner mounting holes. For extra support, use additional fixing screws.
3. To mount onto wood: Fix the bracket to the surface using the relevant length M4/M5 self-tapping wood screws for your surface (minimum 25mm length recommended). Use a 12-15mm penny washer if required.
4. To mount onto a wall: Drill out the marked holes with a masonry drill bit, and insert the M4/M5 wall plugs. Secure the bracket in position with your selected M4/M5 screws (minimum 25mm length recommended). Use a 12-15mm penny washer if required.
5. Adjust the head to the desired position and secure by tightening the 2 x butterfly nuts on each side of the U Bracket.

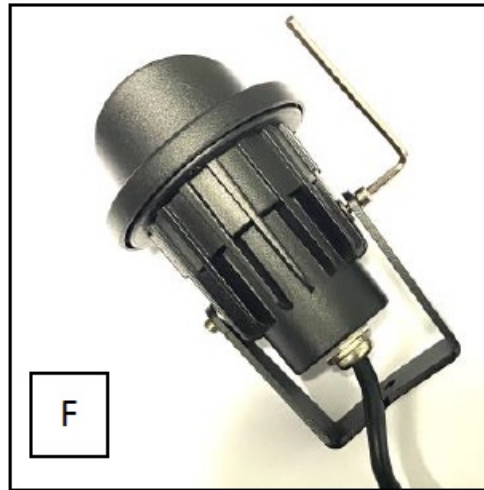
### **SPOTLIGHTS**

#### **SPIKE MOUNTING**

1. Remove the U-bracket from the spotlight head using the small hex key (see Fig. F)
2. Remove the socket screw & washer from the ground spike with the large hex key provided.
3. Place the spike underneath the U bracket, lining up with the predrilled hole.
4. Secure the spike to the Bracket with the socket screw / washer by hand, then tighten fully with the small hex key provided (Fig. G)
5. Dampen the ground in the area where the lights are to be installed.
6. Carefully, push the spike into the ground to the desired depth via the top of the spike. Do NOT put pressure on the side of the U-bracket or force into hard ground.

**WARNING:** Pushing the spike into the ground whilst the fitting is fully assembled may result in a damaged bracket.

7. Gently compact the earth around the spike to ensure the spike is mounted firmly into the ground and does not move from side to side.
8. Reattach the spotlight to the U-Bracket as per point 1 – see fig. F (washer to be located between the body of the spotlight and the u-bracket).



1. Remove the U-bracket from the spotlight head using the small hex key (see Fig. F).
  2. Use the U-bracket as a template to mark the mounting hole on your chosen surface.
  3. To mount onto wood: Fix the bracket to the surface using the relevant length M4 self-tapping wood screw for your surface (minimum 25mm length recommended). Use a 12-15mm penny washer if required.  
To mount onto a wall: Drill out the marked holes with a masonry drill bit, and insert the M4 wall plugs.  
Secure the bracket in position with your selected M4 screws (minimum 25mm length recommended). Use a 10-12mm penny washer & lock washer if preferred.
9. Reattach the spotlight to the U-bracket as per point 1 – see fig. F (washer to be located between the body of the spotlight and the U-bracket).



### **ADJUSTING THE SPOTLIGHT HEAD**

The head can be adjusted and set at various angles via the U Bracket. If this is too secure to adjust, follow the following steps:

1. Support the head and loosen the 2 x socket screws found on each side of the U Bracket using the small hex key provided by turning anti-clockwise – one turn should be enough to allow the head to move (see Fig. F).
2. Angle the head in the desired position and tighten the loosened screws to secure in place.

## CHARGING:

**FIRST CHARGE:** It is recommended to charge for 2 days prior to first use. Turn off the luminaires on the first night via the remote control. To check if the fitting is turned on during daylight, cover the solar panel. The light will illuminate if turned on.

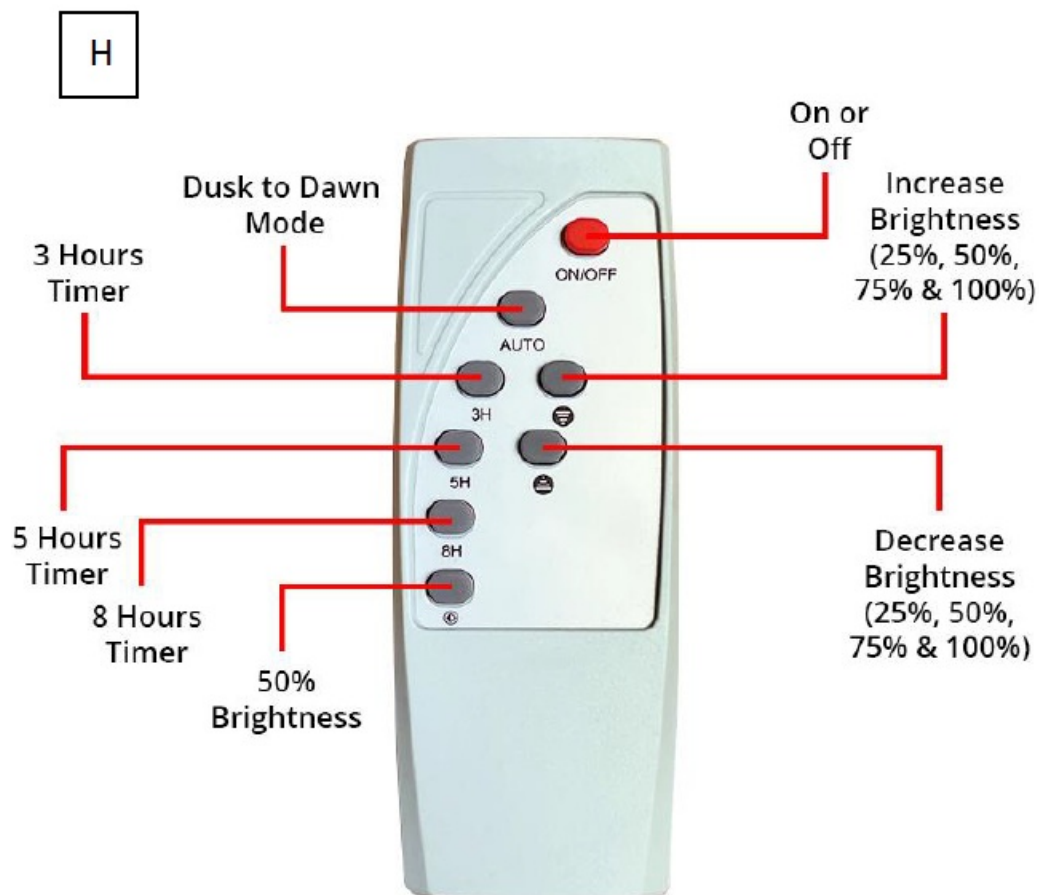
## THE FITTING MUST BE TURNED ON AT THE SILVER POWER BUTTON TO CHARGE

## REMOTE CONTROL FUNCTIONS:

A number of functions can be selected via the remote control (See Fig. H)

### Default setting: dusk to dawn


- Receiver on battery box – at rear of solar panel (up to 5m range)
- When dusk to dawn mode is selected, a gradual dimming sequence will be followed to prolong the battery life:  
1hr @ 100%, 2hrs @ 70%, 4hrs @ 50%, 5hrs @ 30%
- When an alternative setting is selected, the luminaires will flash once to confirm.
- With the exception of forced ON, the luminaires will only illuminate during dusk / darkness



## STORAGE

When storing this solar light, be sure to turn it to the off position via the silver power button on the battery box (test by covering the solar panel). Max. 6 months storage when fully charged – recharge will be required periodically to prevent damage to battery over long periods of time.

## Documents / Resources



[LUMENA SOLSPK7W-3 Solar LED Spike Lights with Remote](#) [pdf] User Manual  
SOLSPK7W-3 Solar LED Spike Lights with Remote, SOLSPK7W-3, Solar LED Spike Lights with Remote, Spike Lights with Remote, Lights with Remote

References

- [🌱 Low Voltage Garden Lights, Outdoor Lighting & Solar Lights | Lumena](#)
- [User Manual](#)

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