



LUME 1[®] smart

Battery Parasol Lighting



Instruction manual

www.lume-1.com





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1. SAFETY INSTRUCTIONS

- / The built-in power LEDs can be very bright. Please do not look directly into the light!
- / Please keep away from electromagnetically relevant objects such as pacemakers, credit cards, or other sensitive electronics.
- / The Lume-1[®] smart components are splash-proof from all sides (IP54), but not completely waterproof! Therefore, avoid contact with any liquids.
- / Sensitive electronics are built into the components. Despite their very robust design, please handle them with care.
- / Never open the Lume-1[®] smart components yourself; there is a risk of electric shock! If you have any questions or problems, please contact your dealer.

2. SCOPE OF DELIVERY LUME-1[®] SMART SET OF 2 / 4

- / 2 x / 4 x LED strips with splitter cable
- / 1 x Li-polymer Powerbank
- / 1 x battery case with wireless controller
- / 1 x wireless remote control
- / 1 x USB charger
- / 1 x mounting kit with user manual QR code

3. PREPARATION

To ensure optimal performance, fully charge the power bank before first use. The LEDs indicate the current charge level. This corresponds approximately to (see Fig. 1):

LED 1	25 %
LED 2	50 %
LED 3	75 %
LED 4	100 %

Note: Before first use, fully charge the battery (approx. 10 hours)!

When LED 4 stops flashing during charging, the power bank has reached its maximum capacity and switches to trickle charging. Charging time is approximately 8–12 hours, depending on the charging current.



Figure 1

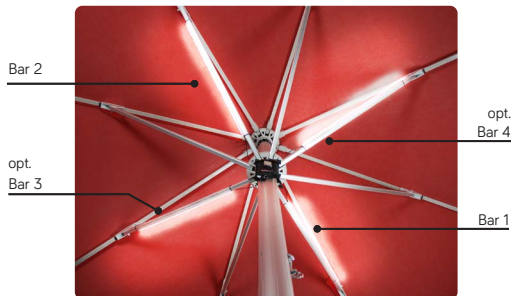


Figure 2

4. ASSEMBLY

We recommend 2 or 4 LED strips per umbrella, depending on the umbrella size and desired illumination.

For optimal illumination, position the strips on opposite support struts, facing in opposite directions (see Fig. 2 below).

To avoid damaging the umbrella fabric, the LED strips must be mounted on the sides of the support struts. Position the LED strip with the cable exit facing inwards towards the mast (note the length of the connection cables – extension cables are available for very large umbrellas in our accessories range; see section 7, OPTIONAL ACCESSORIES). Then, carefully screw in the self-drilling screws one after the other using a cordless screwdriver (see Fig. 3). Pre-drilling the surface (GRP, aluminum, plastic, wood, etc.) is not necessary.

When screwing in the screws on the cable exit side, ensure that the connection cable is not damaged!

IMPORTANT: Do not attach the battery bag over the rim, as the control unit inside the bag could be crushed and damaged when the umbrella is closed.



Figure 3

Alternatively, the LED strips can also be mounted using cable ties (see Fig. 4). Ensure that these are tight and that the ends of the LED strips cannot slip out of the mounting.



Figure 4

Carefully place the power bank in the bag with the charge level indicator facing forward and the connectors facing downward. Plug the USB connector into the USB port of the power bank (see Fig. 5).



Figure 5

For parasols with a fixed rib ring (such as crank-operated umbrellas with a telescopic function), hang the bag on the umbrella pole below the first rib ring (see Fig. 6).

For parasols with a movable rib ring (such as sliding/push or pulley-operated parasols), you must attach the bag to the rib ring itself so that it can move up and down with it (see Fig. 7). Pay particular attention to the cable routing to ensure that the cables are not pinched or under excessive tension.

Any excess Velcro can be trimmed. Then connect the 5-pin cable of the wireless controller to the splitter cable and connect this to the LED strips. Any protruding cables can be secured with the Velcro on the bag or with additional cable ties.



Figure 6



Figure 7

Note: When connecting the 5-pole cable with the splitter cable, the arrows must be parallel to each other. → ←



5. OPERATION

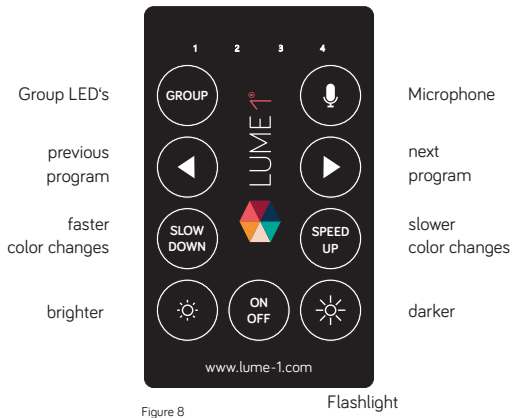
Please also read and refer to the separate instruction manual included with the power bank!

Plugging in the wireless controller or pressing the power button on the power bank puts it into standby mode and displays the current charge level (see also section 3. PREPARATION). If LED 1 is flashing, the power bank has reached a critical charge level and should be recharged. Otherwise, press the „ON/OFF“ button on the remote control (see Fig. 8) and the LED strips will illuminate in the last used program.

To put the Lume-1® smart into standby mode, press the „ON/OFF“ button on the remote control. The LED strips will now be off, but the battery will continuously display the current charge level.

Due to its constant readiness, the power bank will slowly discharge in standby mode. Therefore, if the Lume-1® smart is not going to be used for an extended period, we recommend switching it off to preserve its charge level. To turn it off, simply unplug the USB cable from the power bank; it will then switch off after approximately 30 seconds.

The operating time with two LED strips is approximately 15 hours, and with four LED strips, approximately 8 hours.



Note: The remote control will enter the power saving mode after some time. Press any button on the remote control to exit the power saving mode.

5.1 ASSIGNING A GROUP

Any number of lights can be assigned to the 4 groups. This allows, for example, multiple parasols to be controlled differently with just one remote control. By default, each light is assigned to group 1. Switch on the desired light using the „On/Off“ button (see Fig. 8). The currently assigned group will flash on the remote control for approximately 5 seconds. Within this time, press the „Group“ button repeatedly until the desired new group flashes on the remote control, and then wait until the flashing light goes out. To reassign a group, restart the set by disconnecting and reconnecting the USB cable from the power bank.

5.2 GROUP CONTROL

To control a group, press the „Group“ button (see Fig. 8) on the remote control repeatedly until the desired group briefly lights up on the remote. Then press any button, and all lights assigned to that group will perform the corresponding action. To control all four groups simultaneously, press and hold the „Group“ button for approximately two seconds until all four groups briefly light up.

5.3 LIST OF COLOR PROGRAMS

Individual Colors		Color Change	
1	White	15	Blue / Red
2	Red	16	Magenta / White
3	Orange	17	White / Blue
4	Yellow	18	Pastel Red / Pastel Green / Pastel Blue
5	Lime Green	19	Yellow / Magenta / Blue / Green
6	Green	20	Rainbow
7	Cyan		
8	Turquoise		
9	Blue		
10	Violet		
11	Magenta		
12	Pastel Red		
13	Pastel Green		
14	Pastel Blue		

5.4 COLOR CONTROL

Color programs, brightness and speed of color changes can be controlled via the respective buttons on the remote control (see Fig. 8).

5.5 SOUND-TO-LIGHT MODE

Use the „Microphone“ button (see Fig. 8) to activate and deactivate the Sound-To-Light mode. The lights will then flash or change color in sync with the music, depending on the selected program (see section 5.3, List of Color Programs).



Quick Start Guide



<https://youtu.be/O0MRh8MLNZO>

Assembly video
watch now!

7. OPTIONAL ACCESSORIES

For the use and operation of the original Lume-1® smart accessories, please refer to the enclosed operating and installation instructions.

7.1 CHARGING STATION

The charging station can charge up to 6 power banks simultaneously with just one power adapter. This makes managing the lighting of multiple parasols simple and ingenious.



Charging station

7.2 EXTENSION SET

For large parasols (from approx. 400 x 400 cm), or if a correspondingly higher brightness is desired, the 2-piece set can be expanded to 4 LED strips. The expansion set consists of 2 additional LED strips and a 4-way splitter, which then replaces the 2-way splitter from the Lume-1® smart 2-piece set.



Extension set

7.3 ADDITIONAL POWER BANK

Ensure 24-hour continuous operation of your Lume-1® smart with an additional power bank. While one is charging, you can continue to illuminate your parasol with the additional power bank.



Powerbank

7.4 ANTI-THEFT PROTECTION

To secure the power bank and its case, a combination lock can be attached. This can be useful for parasols that are difficult to see or located far away. The wire cable is threaded through the case's loops and around the mast. This prevents the case from being opened or removed from the mast.



Anti-theft protection

7.5 EXTENSION CABLES

For particularly large parasols (from approx. 600 x 600 cm), an extension cable may be necessary depending on the position of the LED strips. The splitter cable may then no longer be long enough to connect the LED strips to the power bank. The extension cables are available in sets of two, each 50 cm long. If an expansion set is also used, resulting in four LED strips per parasol, two sets of extension cables are required per parasol.



Extension cable

7.6 HARDWIRING

The Lume-1® smart can also be permanently installed in your parasol and connected to the mains power supply. However, this depends on the manufacturer and is not possible with every type of parasol. Please contact your Lume-1® dealer for more information.



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