

rLight manual



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1. Specifications

- 2000 mAh rechargeable battery (details are below)
- Easy to install (details are below)
- Double waterproofed (details are below)
- Sensor control (details are below)
- Ultra-bright (details are below)

2. Installation

First of all, turn your scooter upside down (not obligatory, but highly recommended) and place it on the flat surface (chair, table etc.). Then follow the instructions below.

- 1) Using something sharp and thin (i.e a precision/hobby knife, a screwdriver etc.) take off the decorative reflective stickers from the plastic covers, installed on the sides of the chassis next to the rear wheel. Then unscrew 4 hexagon M3 bolts (two on each side) and remove plastic covers and also 2 hexagon M3 bolts placed in the end of bottom cover of the deck / battery compartment (see the picture on right).



- 2) Now take the rLight and take off its red decorative side covers from the case (push with the screwdriver through the holes on the back side of the case). Place rLight on scooter's chassis having in mind that the charging port should be on the top, and screw up 4 Phillips head M3 bolts (the big ones) provided with rLight (see the picture on right). When done, place the red decorative side covers back on rLight. Then place two wire holders of rLight on the bottom cover of the deck / battery compartment and screw up them with 2 Phillips head M3 bolts (the small ones). Congrats, that's it.



3. Battery

Equipped with 3.7v/2000mAh battery, rLight can run for more than 60 hours (non-stop usage) and gets charged within around 4 hrs. rLight is also equipped with the battery protection system that protects the battery from discharging and overcharging.

For charging (see point 1 on picture below), take off the silicone cap from the charging port on the top of the right case of rLight set and insert MicroUSB wire connected to a simple phone charger (5v, 1A or 2A). In case of extensive use (4+ hours per day) you can charge rLight once a week (or less, depending on your satisfaction with the brightness level), with 2 hours per day - once per two weeks etc. Xiaomi scooter owners of Light Side team usually use rLight for 20-40 mins per day and charge it once per months.

On the side of the right case you will see a charging indicator (transparent-red circle). When rLight is charging indicator lights with red color, once fully charged – red light on indicator turns blue (see point 2 on picture below).



Out of the box your rLight is charged at around 60% of its battery capacity, so please charge it for 1,5-2 hours before use so as to enjoy its maximum brightness while riding.

4. Waterproofness

rLight is double waterproofed. It can easily handle wet cleaning, rain or deep puddles. Despite rLight doesn't hold any waterproofing certificate, its actual waterproofness level is similar to IP68.



The first level of waterproofness is rLight's case, which is fully glued. The only place water can run inside rLight is the charging port on the top of the right case of rLight. The charging port is protected with a silicone cap, so please don't forget to place it back after charging, otherwise the water can run inside and harm your accessory.

The second level of waterproofness is inside the rLight - all the electronics, wires, LEDs and battery are lubricated with a special waterproof compound, so in case you break the case or crack it and water will run inside, this compound will protect electronics from short circuit.

Please keep in mind that the second level of waterproofness is a kind of plan B. It can protect your accessory for several times, but not forever. In other words, you should not rely on the second level of waterproofness in the long run! If the case got broken / cracked, glue it or use the adhesive tape to prevent water access inside.

5. Sensor

rLight is equipped with the capacitive touch sensor for switching lights ON and OFF. Due to aesthetic issues, there is no indication on the case where exactly the sensor is placed, so please remember that the sensor is situated next to the front bolt hole of the right case of rLight, the one with the charging port (see the picture below).



For the beginners we recommend to activate/deactivate lights sliding your finger/leg/foot over the red decorative plastic cover. The sensitivity of the sensor is high enough, so, when you will remember its exact place, you can:

- 1) Activate/deactivate it with one touch.
- 2) Activate/deactivate it even without touching (just keep your hand/leg/foot close enough to the case and the sensor will get activated/deactivated automatically).

Please keep in mind that the sensor is very sensitive! This was made so as you can activate/deactivate rLight not only with your hand, but also with your leg in trousers (jeans, synthetics, wool etc.) and/or foot in shoes (boots, sneakers etc., however only the leather/synthetics/fabrics will let you to control rLight with foot, while the rubber sole of shoes will not work).

Please also keep in mind that high sensitivity of the sensor can result in accidental activation. If you deactivate the sensor, but it gets activated again itself, just place (or keep close) your hand/leg/foot on the red decorative plastic cover for 2-3 seconds instead of 1 second, and the sensor will be deactivated and will not get activated again.

6. Brightness

rLight is equipped with 4 ultra bright red leds (12-13.000 mcd each, 48-52.000 mcd in total). Converted to Lumens it equals 85-90 lm. The view angle is 90 degrees, which means that rLight might not illuminate an extensive space around it, but will be very good visible from behind (150 meters at least).

You can rely on maximum brightness of rLight during the first 30 hours of its non-stop working with the fully charged battery. Then the brightness will decrease, but even with the lowest brightness level, rLight is visible more than the original tail light of Xiaomi scooters.

7. Returns / Spare parts

If the delivered rLight doesn't work as described above, you can claim compensation or a new one. You should provide the proof of malfunction via photo/video and send the defective rLight back at your own expense (i.e., covering shipping cost). After getting it and confirming that malfunction was not due to inappropriate use (broken or damaged in any other way by you), it's cost will be compensated to you (shipping cost will not be compensated) or a new one will be sent to you at our expense.

If you brake or damage rLight in any other way and there will be a need for spare parts, you should provide the proof of damage via photo/video and we will provide needed spare parts (if available, extra charge may apply) or will support you over repairing the broken parts.

8. Contacts

If you would like to clarify something or you need a support, please feel free to contact us:

Mobile (Viber/WhatsApp/Telegram): +30 694 810 66 45

E-mail: info@lightside.tech

Messenger: m.me/LightSideTech

Facebook: <https://www.facebook.com/LightSideTech>

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