

Congratulations on your purchase of the LED52-T-TS LIGHT KIT!

The LED52-T-TS LIGHT KIT will work on any motorcycle fitted with a top-mounted GIVI E52 case. The kit is easy to install and significantly enhances your visibility on the road and the good looks of your E52 case. Each kit contains two high intensity LED light strips that fit perfectly behind the original wrap-around red lens of the GIVI case. The custom wire harness with the embedded mini controller fits neatly under your motorcycle seat or behind the tail light assembly. The mini controller allows you to connect the light kit to your bike's tail and brake lights **and turn signals**. Your case lights will always be on when riding, the lights will brighten when you apply your brakes, and the lights will flash with your turn signals.

Please note: We make no guarantee that the LED52-T-TS LIGHT KIT is legal for street use in your area. You should never rely on your LED52-T-TS LIGHT KIT alone – always ensure that your stock brake light and turn signals are functioning properly. The LED52-T-TS LIGHT KIT is intended to complement your bike's original safety lights for added safety.



Figure 1



Figure 2



Figure 3



Figure 4



Figure 5



Figure 6



LED52-T-TS LIGHT KIT

with turn signal function

Installation Instructions

1. Remove the four small screws inside the case that hold the red lenses in place.
2. Remove the red lens from both sides of case.
3. Using a sharp utility knife cut the white tape around the light cut-outs on the case. (Fig. 1)
4. Follow the outline of the cut-out to remove the case cut-out entirely. (Fig. 2)
5. Using the two-sided tape on the back of each LED light panel, insert each panel into the left and right light cut-out and press firmly.
6. Using the two-sided tape on the back of each LED light strip, place the strip in the center of the white tape as shown. (Fig. 3)
7. Drill a pilot hole on the lower portion of the case* (i.e. not on the lid or the gray trim) 6"-8" (15-20 cm) from the center of the case. The connector can be mounted on either side of the case. (**Note:** Ensure that the location of the connector will not interfere with a backrest or any other accessory). Use the supplied 7/16" drill bit to enlarge hole to the required size (Fig. 4).
8. From inside of case, insert male end of connector through hole and secure on outside of case using supplied nut ensuring nut is tight but **do not over tighten!** Note that it may be necessary to discard the rubber washer to screw the nut onto the threads of the connector. (Fig. 5)
9. Connect the male 3-pin connector on the supplied Y-harness to the female 3-pin connector on the internal case harness (make sure that wire colors are matched). Connect each of the remaining 2-pin connectors on the Y-harness to either of the two 2-pin plugs on each of the LED panels (Red/Green to Right LED panel, Red/Yellow to Left LED panel). Wrap the 3-pin connectors with a small piece of electrical tape to ensure they do not come apart.
10. Using the supplied foam seals, cover the openings to the LED panels as shown. (Fig. 6)
11. Before replacing red lenses using screws removed earlier, proceed to LED52-T-TS LIGHT KIT Wiring Instructions to confirm that your light kit is working correctly. If the LEDs do not light, simply invert (flip) the white 2-pin connectors on the LED panels (**Note:** LEDs cannot be damaged from reversing the connectors).
12. Tidy up installation securing all cables. Use the included cable clamps to secure the cable to the inside of your case. Be sure to clean surface with an alcohol wipe prior to affixing the cable clamps to ensure maximum adhesion.

Tools/items required:

- Drill with standard drill bits
- Small Phillips screwdriver
- Electrical tape
- Circuit tester (if available)

Items supplied:

- 2 – LED light panels each connected to a white flexible LED strip
- 1 – 5-wire power harness with embedded mini-controller
- 1 – 3-wire case harness for mounting within case
- 1 – Y harness
- Connector kit with cable clamps
- 7/16" drill bit
- 2 - 5" foam seals
- These instructions
- Warranty card

* The connector can be placed in any number of places on the case. We recommend, mounting the case on your rack to determine exactly where you most prefer to install the connector. Should you make a mistake or change your mind in the future, we can supply complementary plugs to fill a 7/16" drilled hole. Contact us at www.admorelighting.com.

LED52-T-TS LIGHT KIT

Wiring Instructions

Your AdMore Light Kit has been designed to operate with the tail, brake **and turn signal** light functions of your motorcycle or scooter. Using the supplied wire tap connectors, look as close to the rear taillight as possible to locate the indicated wires:

5-Wire Harness	Your Motorcycle
BLUE*	+ 12V (switched)
RED	Brake Light wire
GREEN	Right Turn Signal wire
YELLOW	Left Turn Signal wire
BLACK	Ground

* Blue wire must be connected to switched +12V to operate the embedded mini controller. On many motorcycles and scooters, the tail light wire may be used for this purpose. For motorcycles or scooters with a single brake/tail light wire, connect the Blue wire to a +12V source switched with the ignition. Connect the Red wire to the single brake/tail light wire.

Mount top case on motorcycle or scooter and attach harness from bike to male connector on bottom of case. Note: Connector locks by inserting and turning (1/4 turn).

Test functioning of the light kit with your motorcycle's tail & brake lights & turn signals.

CAUTION: The controller embedded in the main power harness **MUST NOT** be submersed in water. Ensure that the controller is placed in a location that does not fill with water!

Troubleshooting:

1. Ensure the Blue wire is connected to +12v
2. Ensure Black wire is connected to a solid ground
3. If lights still do not illuminate, test the power harness by connecting the Blue wire directly to +12v of a battery and the Black wire to solid ground.

Visit www.admorelighting.com for information on other AdMore products, replacement parts and special offers!