Congratulations on your purchase of the LED-SH48-T-TS (CG) LED Light Kit!

The LED-SH48-T-TS (CG) LED light kit will work on any motorcycle or scooter fitted with a SHAD 48L top-mount case. The kit is easy to install and significantly enhances your visibility on the road and the good looks of your luggage. Each kit contains two high intensity LED arrays that fit perfectly behind the upper lenses of your top case. The mini controller embedded in the main power harness fits neatly under your motorcycle/scooter seat or behind the tail light assembly. The mini controller allows you to connect the LED light kit to your bike or scooter's tail light, brake light, **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 **amber** with your turn signal lights.

Please note: We make no guarantee that the LED-SH48-T-TS (CG) LED light kit is legal for street use in your area. You should never rely on your LED-SH48-T-TS (CG) LED light kit alone – always ensure that your stock brake light and turn signals are functioning properly. The LED-SH48-T-TS (CG) LED light kit is intended to <u>complement</u> your bike or scooter's original safety lights for added safety.

Figure 1

Figure 2

Figure 3

Figure 4

Figure 5

Figure 6

Figure 7

LED-SH48-T-TS (CG) LIGHT KIT

Installation Instructions

Please read all instructions fully BEFORE beginning installation!

1. Remove the four (4) screws holding the upper lenses in place (note that the screws are of different size and two of the screws have a rubber sealing ring. Take note of their locations!).
2. Drill small holes (approx. 5/16" or 8mm) in the location near each connector to accommodate running each wire & connector into the case. The holes should be in line with the top ridge of the center SHAD emblem.
3. Test fit the LED arrays on the lid in the space under each lens with the wires from each array at the lid opening (notches in LED arrays pointing down).
4. Insert the 3-wire leads into each drilled hole.
5. Remove the tape backing from each LED array and press the arrays against the case in the planned location.
6. Replace the lenses and the four (4) screws removed earlier – make sure to replace the screws in the correct locations.
7. Take each of the small, black, empty connector housings and mate them to the corresponding connectors on the Top Case Harness.
8. Match wire colors (yellow to yellow, red to red, and black to black) from the LED array & insert all 3 wires at the same time half way into the empty connector housing.
9. Press each wire firmly into the housing ensuring that each of the three (3) terminals is secure in each connector housing.
10. Prepare to mount the quick-disconnect connector inside the top case. Determine the most suitable location to mount the connector ensuring that it is easily accessible and does not interfere with the top rack and/or operation of the motorcycle and/or driver/rider mounting or dismounting the motorcycle. Drill a pilot hole and then use the supplied 7/16" (11mm) drill bit to enlarge the hole to the required size.
11. From inside of case, insert male end of connector through hole and secure on outside of case using supplied nut. Ensure connector is tight (hand tighten only). **Do not over tighten or the connector may break!** Note that it may be necessary to discard the rubber washer in order to screw the nut onto the threads of the connector.
12. Proceed to LED-SH48-T-TS (CG) LIGHT KIT Wiring Instructions
13. 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
- Circuit tester (if available)
- Pliers or crimp tool
- Electrical tape

Items supplied:

- 2 -6" (15cm) high-intensity bi-color (Red/Amber) LED light arrays
- 1 - 6-wire power harness with embedded mini-controller, female round connector
- 1 – case harness, male round connector
- Connector kit with cable clamps
- 7/16" (11mm) drill bit
- 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.

LED-SH48-T-TS (CG)

Wiring Instructions

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

5-Wire (CG) Power Harness	Your Motorcycle / Scooter
RED [1]	Tail Light wire
BLUE	Brake Light wire
GREEN	Right Turn Signal wire
YELLOW	Left Turn Signal wire
BLACK	Ground

[1] For motorcycles equipped with LED tail/brake lights, the Red wire must **not** be connected to the Tail wire. The Red wire must be connected to a 12V switched source (live when ignition switch is on).

Mount case and attach harness from bike or scooter to male connector on case.
Note: Connector locks by inserting and turning.

Finally, test the functioning of the light kit with your motorcycle or scooter's tail light, brake light, and 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 that all 4 dip switches are in the "On" position (top position with cables pointing down).
2. Ensure the Red wire is connected to switched +12v
3. Ensure the Black wire is connected to a solid ground
4. If lights still do not illuminate, test the power harness by connecting the Red 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!