



**Instruction manual**

mo.rear

rear light module



V1.0

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### **3. Safety instructions**

- BEFORE ANY WORK ON THE VEHICLE'S ELECTRICAL SYSTEM, THE BATTERY MUST TO BE COMPLETELY DISCONNECTED. TO DO SO, AT FIRST THE MINUS POLE AND THEN THE PLUS POLE IS DISCONNECTED. WHEN RECONNECTING, DO IN REVERSE ORDER.**
- IT IS NOT POSSIBLE TO USE THE MO.REAR AT VEHICLES WITH POSTIVE BATTERY POLE FOR VEHICLE GROUND.**
- IT IS NOT POSSIBLE TO USE THE MO.REAR ON VEHICLES WITH A 6V ELECTRICAL SYSTEM.**
- IT IS NOT POSSIBLE TO USE THE MO.REAR ON VEHICLES WITHOUT BATTERY.**
- THE MO.REAR MUST BE INSTALLED AND CONNECTED QUALIFIED PROFESSIONALS.**
- ALL CABLE CROSS SECTIONS MUST MATCH THE CURRENT FLOW.**
- ALL ELECTRICAL CONNECTIONS IN THE CABLE HARNESS AND ON THE TERMINALS MUST BE PROFESSIONAL AND FLAWLESS.**

## 4. Features

mo.rear is an all-in-one vehicle tail light unit for motorcycles for use within the EU.

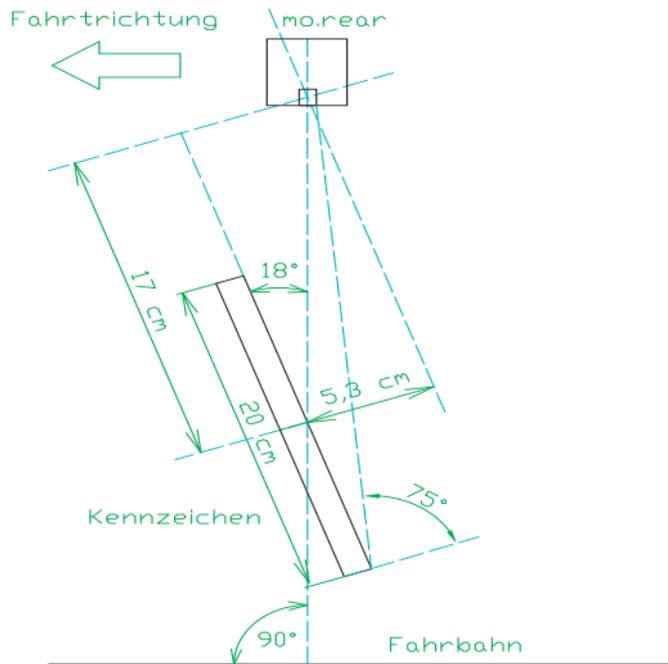
When attached to the vehicle in a compliant manner, the light unit complies with the applicable EU directives and regulations. There is no obligation to register and no documents need to be carried.

## 5. Technical Data

- Weight: 150g
- Dimensions: 13.5mm high x 12.5mm deep x 200mm long
- Functions: taillight, brake light, left turn signal, right turn signal, license plate light, reflector
- Protection class: IP69
- Power consumption: 12V - 2W / 2W / 3W
- Mounting thread: M4 or M5
- Hole spacing: 150mm

## 6. Installation according to Category 1 approval (license plate size 240x130mm)

The mo.rear is attached to the rear of the vehicle centrally above the license plate using 2 pieces M4 or M5 screws according to the following sketch:



## 7. Electrical Connection

**The individual wires are connected as follows:**

- black: vehicle ground
- red: brake light
- yellow: taillight & license plate light
- green: left turn signal
- white: right turn signal

## 8. Important Instructions

- The light module must be installed in center and above the license plate, as shown in the installation sketch.
- The license plate must be illuminated evenly and completely.
- The light module is compatible with 12V DC electrical systems with a battery only.
- The connection cable must be routed without kinks or tension and must not be mechanically damaged.
- After assembly, the correct function of the ABS and CAN-BUS warning lights must be checked.
- In modern vehicles an error message may occur due to the lower power consumption of the light unit. In this case, resistors connected in parallel to the respective lamp function can help.
- Before each journey, check that the light unit is functioning correctly.

**We wish you a safe ride and look forward to  
your positive review.**

**If you are not satisfied, please give us the opportunity to correct it  
and contact [service@motogadget.de](mailto:service@motogadget.de).**