



# MACROM

TRAVEL WILL ALWAYS BE A PLEASURE



## Car Lighting Kit

LED transformation kit and ambient lights

[www.macrom.it](http://www.macrom.it)

## Kit Car Atmosphere LED (LED lights for car environments)

The CAL (CAR ATMOSPHERE LED) interior kits are developed to illuminate the interior of your car by generating light effects with 64 or 256 color LEDs.



The kit includes a control unit (MAIN) and 4 units (called SIDE DOOR) to be positioned in each individual door of the vehicle.

The individual Side Door devices will wirelessly receive information from the main unit without the aid of connections between them.

It is possible to connect a LED bar to each Side Door unit for door decoration, a reflector with LED for the handle compartment and an LED for the glove compartment.

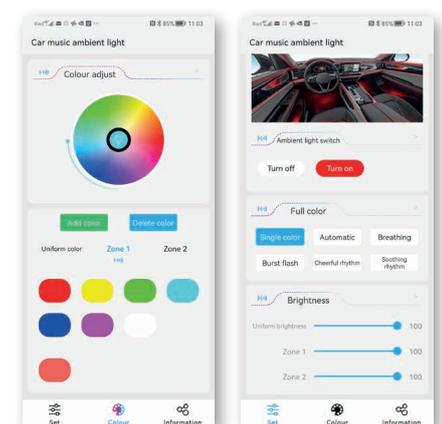
The main control unit (Main) manages 4 positions for lighting the footwell, one or two LED strips for decorating the dashboard and a wired remote control for the lighting effects.

Finally, a control APP is available that can be downloaded from the Apple and Google stores to manage the multiple functions and lighting effects.

### FEATURES

- Multicolor LED lighting
- Wireless connection between control unit and peripherals
- Dashboard setup with one or two 110cm LED bars divisible into two parts according to the necessary length
- Set up of 4 units for footwell lighting
- Setup for 4 doors consisting of:
  - 75 cm LED bar (can be reduced if necessary)
  - LED storage
  - LED handle compartment
- Remote control for lighting effects
- Smart-phone application

Control APP



# Car Lighting Kit



## Kit Car Atmosphere LED (LED lights for car environments)

### CAL256 LED ATMOSPHERE 256 COLORS



#### DETAILS

- Power: 10-30W
- Supply voltage: 9-16V DC
- LED light strip voltage: 5V
- 256 color LED atmosphere
- 55 preselections

### CAL64 LED ATMOSPHERE 64 COLORS



#### DETAILS

- Power: 10-30W
- Supply voltage: 9-16V DC
- LED light strip voltage: 5V
- 64 color LED atmosphere
- 33 preselections

## Components included in the Car Atmosphere LED kit

Tool for inserting LED bars



4 LED bars 75 cm for door decoration + one 110 cm dashboard



Remote control



Power wiring



Wiring for LED footwell lighting



Dashboard LED Bar Wiring Harness



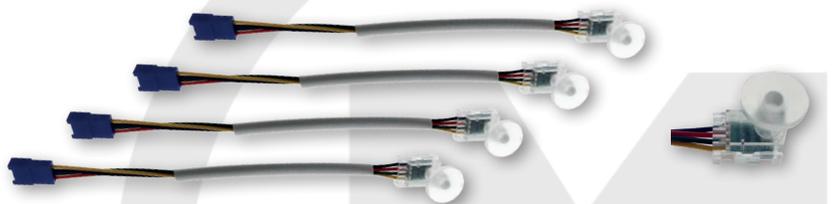
Door wiring for LED glove box and handle compartment



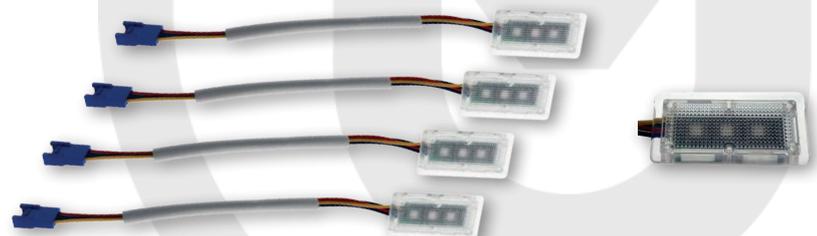
4 LED supports for door handle compartment



4 LED holders for door storage compartment



4 LED supports for front and rear footwell



The **LEN MACROM** transformation KITS are developed for use with **lenticular headlights** and the transformation from **Xenon** to LED.

These kits have been designed to be installed in lenticular headlights, which are increasingly widespread in latest generation cars

In these headlights it is the lens already present that diverts the light power where it is needed, avoiding dazzling other vehicles. They are therefore not suitable for cars with parabolic headlights.

The LEN technical solution generates over **56000 LUX** per kit with a light beam depth of over 130 meters and a color temperature of **6500K**.

The entirely aluminum lamp body acts as a heat sink and to ensure greater stability a low noise level fan helps with heat dissipation.

Installation is extremely facilitated thanks to the removable base.



In vehicles with 55W standard lamps, no warning light switch accessories are required for error reporting.

NOTE: The lumen value indicated refers to the total value emitted by both lights and therefore indicates the total per set of lamps

## LEN transformation kit



**MKDLEN** KIT HEADLIGHT LED FOR LENTICULAR HEADLIGHT **LAMP D** 55W 12V, 56000 LUMEN (for kit), 6500K



Low Beam



Beam



360° light



Can-Bus

Model D lamps, compatible with the D1R/D1S, D2R/D2S, D3R/D3S and D4R/D4S series lamps, must be connected via the light switch signal either upstream of the original Xenon control unit or via the light control.



**MKH1LEN** KIT HEADLIGHT LED FOR LENTICULAR HEADLIGHT **H1 LAMP** 55W 12V, 56000 LUMEN (for kit), 6500K



Low Beam



Beam



360° light



Can-Bus



**MKH7LEN** KIT HEADLIGHT LED FOR LENTICULAR HEADLIGHT **H7 LAMP** 55W 12V, 56000 LUMEN (for kit), 6500K



Low Beam



Beam



360° light



Can-Bus



**MKH11LEN** KIT HEADLIGHT LED FOR LENTICULAR HEADLIGHT **H11 LAMP H11** 55W 12V, 56000 LUMEN (for kit),



Low Beam



Beam



360° light



Can-Bus



**MKHB3LEN** KIT HEADLIGHT LED FOR LENTICULAR HEADLIGHT **HB3 LAMP HB3** 55W 12V, 56000 LUMEN (for kit),



Low Beam



Beam



360° light



Can-Bus



**MKHIR2LEN** KIT HEADLIGHT LED FOR LENTICULAR HEADLIGHT **IR2 LAMP** 55W 12V, 56000 LUMEN (for kit), 6500K



Low Beam



Beam



360° light



Can-Bus

The innovative technical solutions of the MACROM LIGHT LED transformation KITS do not only concern the LED chip used but also the lamp body, as well as the heat sink, entirely made of aluminum to improve heat dissipation, so much so that it was possible to eliminate the cooling fan ensuring a constant light beam over time maintaining the light intensity produced.

Furthermore, in the H7 models, it is possible to adjust the angle of the lamp body with respect to the base, to optimize the light beam on projectors equipped with lenticular.

Asymmetric light projection / Standard passive heatsink.



## Advantages



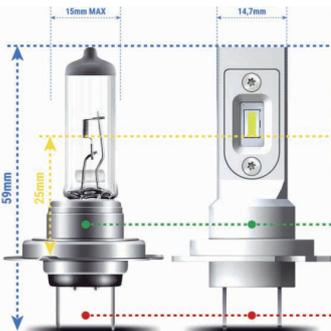
The MKHSH lamp complies with ECE regulations and is therefore compatible with any headlight with H7 and/or H18 housing.



Thanks to the small size of the lamp body, it does not require the use of adapters for installation.



The electronic technology used allows compatibility with all vehicles and does not require respecting the power polarity +/-.



### Height and diameter of the ampoule

The lamp has an identical height to the H7 and H18 halogen lamp. Adapters are no longer required for installation.

### Position of the LED

The positioning of the LED reflects the ECE R37 regulation which requires the positioning of the lamp filament inside the headlight. The LED will emit light at the exact point inside the light. Greater diffusion of light without shadow areas.

### Lamp body

Diameter and height identical to the original lamp make the installation compatible with all cars.

### Non-polarized power supply

The polarity inversion stabilizer allows connection without observing the +/- power supply polarity. ZERO risk of damage and compatible with all vehicle models.

# Car Lighting Kit



## LED transformation kit



**MKH7SH** KIT HEADLIGHT LED SINGLE LIGHT **H7 SHORT** LAMPS 12V, 13W, 3400 LUMEN (for kit), 6000K, **6 CHIP** SEOUL



PX26d



Low Beam



Beam



Dimensions  
ECE



No Adapters



**MKH7** KIT HEADLIGHT LED SINGLE LIGHT **H7** LAMPS 12V, 13W, 3400 LUMEN (for kit), 6000K, **6 CHIP** SEOUL



PX26d



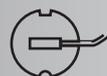
Low Beam



Beam



**MKH3SH** KIT HEADLIGHT LED SINGLE LIGHT **H3 SHORT** LAMPS 12V, 13W, 3400 LUMEN (for kit), 6000K, **8 CHIP** COB 5530



PK22s



Low Beam



Beam



Dimensions  
ECEECE



No Adapters



**MKH1SH** KIT HEADLIGHT LED SINGLE LIGHT **H1 SHORT** LAMPS 12V, 13W, 3400 LUMEN (for kit), 6000K, **8 CHIP** COB 5530



P14.5s



Low Beam



Beam



Dimensions  
ECE



No Adapters



**MKH8** KIT HEADLIGHT LED SINGLE LIGHT LAMPS **H8/H9/H11/H16** 12V, 13W, 3400 LUMEN (for kit), 6000K, **6 CHIP** SEOUL



PX26d



Low Beam



Beam



**MKH4SH** KIT HEADLIGHT LED SINGLE LIGHT **H4 SHORT** LAMPS 12V, 13W, 3400 LUMEN (for kit), 6000K, **12 CHIP** COB 4420



P43t



Low Beam



Beam



Dimensions  
ECE



No Adapters



**MKH15** KIT HEADLIGHT LED LIGHT DOUBLE **H15** LAMPS 12V, 13W, 3400 LUMEN (for kit), 6000K, **16 CHIP** SEOUL



PGJ23t-1



Directional



Fog lights



Beam



daytime



# Car Lighting Kit



## LED transformation kit



**MKHB4** KIT HEADLIGHT LED SINGLE LIGHT **HB4** LAMPS 12V, 13W, 3400 LUMEN (for kit), 6000K, 6 CHIP COB5530



PX22d



Low Beam



Beam



**MKHB3** KIT HEADLIGHT LED SINGLE LIGHT **H10/HB3** LAMPS 12V, 13W, 3400 LUMEN (for kit), 6000K, 6 CHIP SEOUL



P20d-Py20d



Low Beam



Beam



**MKHIR2** KIT HEADLIGHT LED SINGLE LIGHT **HIR2** LAMPS 12V, 13W, 3400 LUMEN (for kit), 6000K, 6 CHIP SEOUL



PX22d



Low Beam



Beam



**MKP13** KIT HEADLIGHT LED SINGLE LIGHT **P13W** LAMPS 12V, 13W, 3400 LUMEN (for kit), 6000K, 6 CHIP WICOP



PG18.5d-1



Low Beam



Beam



**MKH27** KIT HEADLIGHT LED SINGLE LIGHT **H27** LAMPS 12V, 13W, 3400 LUMEN (for kit), 6000K, 6 CHIP WICOP



PG13, PG13



Directional



Fog lights



Beam



Daytime



**MKPSX24** KIT HEADLIGHT LED SINGLE LIGHT **H27** LAMPS (880/881) 12V, 13W, 3400 LUMEN (for kit), 6000K, 6 CHIP WICOP



PG18.5d-1



Low Beam



Beam



NOTE: The lumen value indicated refers to the total value emitted by both lights and therefore indicates the total per set of lamps

# Car Lighting Kit



## SMART LED transformation kit

The SMART solutions of the LED transformation KITS offer an alternative to classic halogen lamps.

Cold Light (Cool White) with a color temperature of 6000K are clearly indicated for those who prefer to aim for better color performance since the strong contrast allows you to see the outlines of objects in low light conditions.



### MKH7 SMART KIT HEADLIGHT LED SINGLE LIGHT H7 LAMPS 12V, 11W, 3000 LUMEN (for kit), 6000K



PX26d



Low Beam



Beam



3000 LUMEN



1300 LUMEN



### MKH8 SMART KIT HEADLIGHT LED LIGHT DOUBLE H8 LAMPS 12V, 11W, 3000 LUMEN (for kit), 6000K



PGJ19



Low Beam



Beam



3000 LUMEN



1300 LUMEN



### MKH4 SMART KIT HEADLIGHT LED SINGLE LIGHT H4 LAMPS 12V, 11W, 3000 LUMEN (for kit), 6000K



P43t



Low Beam



Beam



3000 LUMEN



1300 LUMEN



## POWER series replacement LED lamp range



### ML9460

LED LAMPS POWER SERIES **SILURO 31MM** 12V, 2W, 540 LUMEN (for kit), 6 CHIP 2835



31mm

SV8.5-8



Daytime



Position



### ML9470

LED LAMPS POWER SERIES **SILURO 33MM** 12V, 2W, 540 LUMEN (for kit), 6 CHIP 2835



33mm

SV8.5-8



Daytime



Position



### ML9480

LED LAMPS POWER SERIES **SILURO 39MM** 12V, 2W, 540 LUMEN (for kit), 6 CHIP 2835



39mm

SV8.5-8



Daytime

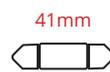


Position



### ML9490

LED LAMPS POWER SERIES **SILURO 41MM** 12V, 2W, 540 LUMEN (for kit), 6 CHIP 2835



41mm

SV8.5-8



Daytime



Position



# Car Lighting Kit

## POWER series LED



**ML9330** LED LAMPS POWER SERIES **H8** 12V, 5.6W, 1560 LUMEN (for kit) 6000K, 21 CHIP 2835



PGJ19



Directional



Fog lights



Daytime



**ML9340** LED LAMPS POWER SERIES **H11** 12V, 5.6W, 1560 LUMEN (for kit) 6000K, 21 CHIP 2835



PGJ19



Daytime



Fog lights



Directional



**ML9350** LED LAMPS POWER SERIES **PS24W** 12V, 5.6W, 1560 LUMEN (for kit) 6000K, 21 CHIP 2835



PG20-3



Daytime



Fog lights



Directional



**ML9370** LED LAMPS POWER SERIES **HB3** 12V, 5.6W, 1560 LUMEN (for kit) 6000K, 21 CHIP 2835



P20d



Daytime



Fog lights



Directional



**ML9380** LED LAMPS POWER SERIES **HB4** 12V, 5.6W, 1560 LUMEN (for kit) 6000K, 21 CHIP 2835



PGJ19



Daytime



Fog lights



Directional



**ML9390** LED LAMPS POWER SERIES **P21W** 12V, 5.6W, 1560 LUMEN (for kit) 6000K, 22 CHIP 4014SMD



BA15s



Daytime



Fog lights



Directional





**ML9400** LED LAMPS POWER SERIES **P21/5W** 12V, 5.6/1.0W, 780/140 LUMEN (for kit) , **22 CHIP** 4014SMD



BAY15d



Daytime



Fog light



Directional



**ML9410** LED LAMPS POWER SERIES **P21/5W** 12V, 5.6/1.0W, 740/140 LUMEN (for kit) , **22 CHIP** 4014SMD



W3x16q



Daytime



Fog Light



Directional



**ML9420** LED LAMPS POWER SERIES **P13W** PG18.5d-1, 12V, 5.6W, 1560 LUMEN (for kit) , **21 CHIP** 2835



PG18.5d-1



Daytime



Fog Light



Directional



**ML9430** LED LAMPS POWER SERIES **PSX26W** PG18.5d-3 12V, 5.6W, 1560 LUMEN (for kit) 6000K, **21 CHIP** 2835



PG18.5d-3



Daytime



Fog Light



Directional



**ML9440** LED LAMPS POWER SERIES **W5W**, 12V, 2.3W, 500 LUMEN (for kit) , **21 CHIP** 2835



PG18.5d-1



Daytime



sidelights



**ML9450** LED LAMPS POWER SERIES **W16W** 12V, 6.0W, 1600 LUMEN (for kit) , **15 CHIP** 2835



W2.1x9.5d



Daytime



Fog Light



Directional



# Car Lighting Kit

## Stabilizer Can-Bus

MSTAB and MSTAB PLUS (+) series stabilizers, for solving any problems relating to lamp failure signaling and warning lights coming on/flashing.



MSTAB series stabilizers are easy to install thanks to the multiple "plug & play" connectors available and the small size of the control unit.

### MSTABH1

### MSTABH4

### MSTABH7

### MSTABH8

### MSTABHB3



COMPATIBLE WITH DIFFERENT  
CAR BRANDS

H1/H3/D1/D2/D3/D4  
12Volts

H4  
12Volts

H7  
12Volts

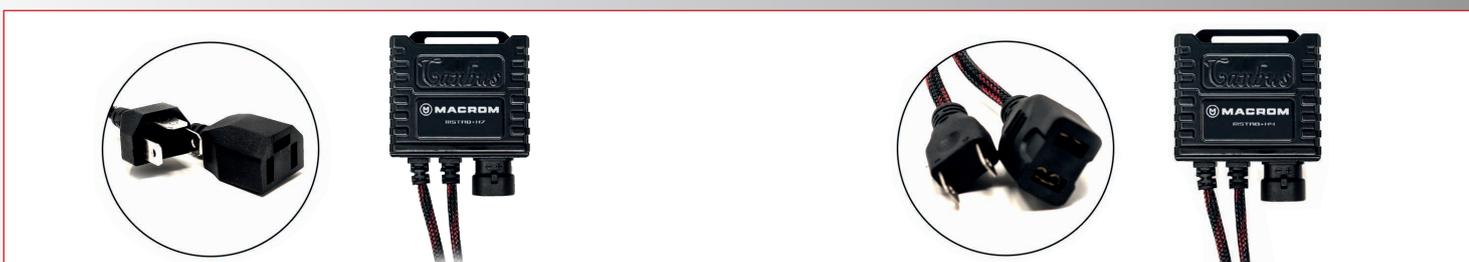
H8  
12Volts

HB3  
12Volts

MSTAB PLUS (+) series stabilizers, generally used for any warning light on/off problems on cars.

### MSTAB+H4

### MSTAB+H7



POWERFUL CAN-BUS STABILIZER  
FOR LED H4 12Volts

POWERFUL CAN-BUS STABILIZER  
FOR LED H7 12Volts

NOTE: The MSTA control units can be used on cars and motorbikes with a 12 Volt supply voltage (working voltage from 10 to 18 Volts) NOT COMPATIBLE WITH VEHICLES POWERED WITH 24Volts

Series of resistors available in various impedances and powers to remedy any failures reported by the vehicle's body computer.



Spegnispia

### MSS50



PAIR OF RESISTANCES TURN-OFF LIGHT - PLUG XENON

### MSS50.2



PAIR OF RESISTANCES TURN-OFF LIGHT FOR LAMPS 70/75W 24 VOLT (100W 12Ω)

### MSS50CS



PAIR OF RESISTANCES TURN-OFF LIGHT 50W 6Ω WITH WIRES

### MSS54



PAIR OF RESISTANCES TURN-OFF LIGHT 25W 25Ω WITH WIRES

### MSS54.2



PAIR OF RESISTANCES TURN-OFF LIGHT 21W 24 Volt 50W 35Ω 5R-50W)

### MSS57



PAIR OF WIRED RESISTORS H7 - 50W 6Ω

### MSS59



PAIR OF WIRED RESISTORS H4 - 50W 6Ω

### MSS60



CAN-BUS CONVERTERS PLUG&PLAY FOR LAMPS W5W (T10) COMPAT. C5W

### MSS67



PAIR OF TURN-OFF LIGHT FOR LAMPS 21/5W COMPATIBLE GROUP FCA (N91)

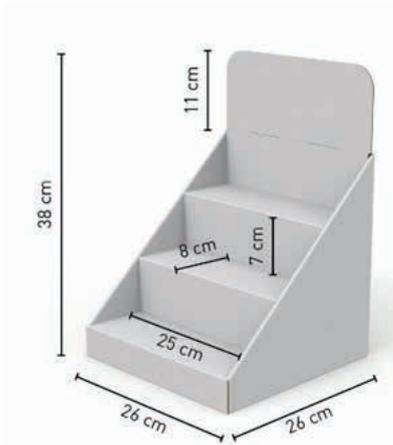
### MSS68



1 RELAY TURN-OFF LIGHT KIT +2 RESISTANCES FOR MKH LED KIT

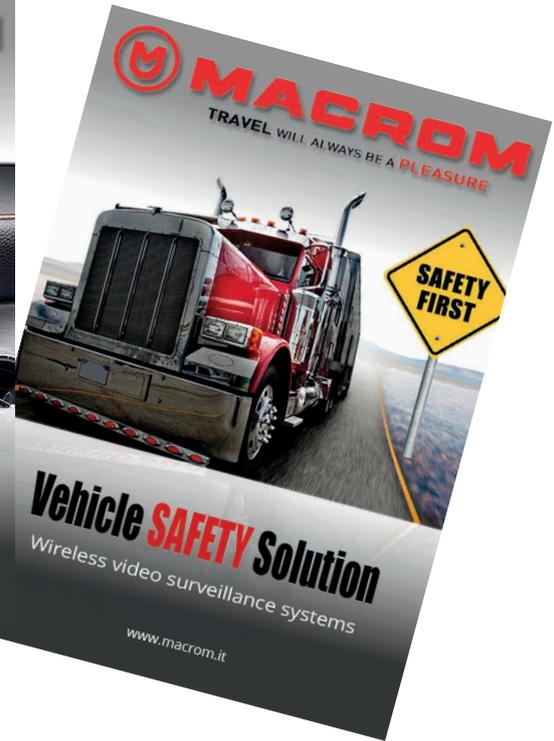
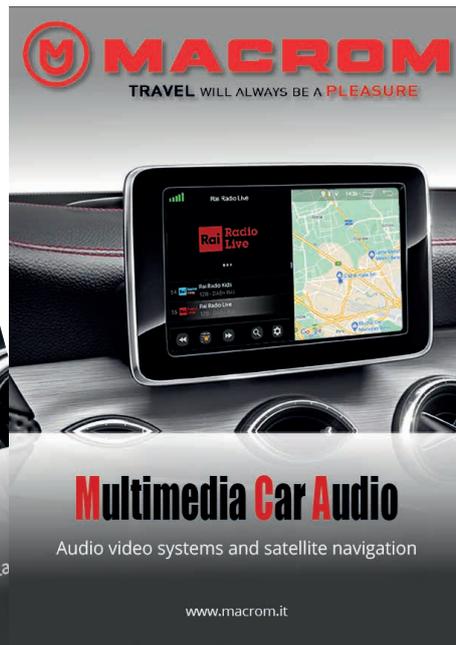
NOTE: "To use the resistors and stabilizers, ask us for the updated specifications for each vehicle"

Die-cut microwave bench display 26x26x38cm with 3 self-assembling shelves





DISCOVER THE COMPLETE MACROM RANGE



- 2024 -

## Car Lighting Kit

LED transformation kit and ambient lights

G.M.A. ITALIA s.r.l.

Via G. Di Vittorio, 7/33 - 20017 - Rho (MI) Italy

Tel 02.33406189 Fax 02.3085784

[www.macrom.it](http://www.macrom.it) | [info@gmaitalia.com](mailto:info@gmaitalia.com)

