



Ziza® Interior Lighting Package Installation Procedures



Part Number [ES2222311](#)
for BMW E82
1 Series Coupe
(2008+)
with premium lighting

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Fits BMW E82 (1 Series coupe) with Premium Lighting Package

LED Installation Instructions

Interior Lighting Kit for BMW E82 (1 Series coupe)
ES2222311



Ziza
performance automotive lighting

Tools

- T20 Torx driver
- Small flat head screwdriver
- Trim removal tool – ES517779 (Kit)

Kit Contents

- 8-chip wedge base (qty 8)
- 36mm white LED festoon (qty 1)
- 42mm white LED festoon (qty 3)

This tutorial explains how to install the LEDs in your Ziza Interior Lighting Kit.



Make the job easier and prevent damage to headliners and other interior trim with **ECS Tuning Trim and Molding Removal Tool Sets: [ES2500877](#) and [ES517779](#).**

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What are LEDs?

LEDs are Light Emitting Diodes, solid state devices that emit light when connected to electrical current. They have no moving parts or wire filaments to burn out. They emit a whiter light, run cooler, and last longer than the incandescent (filament style bulbs) we are replacing in this tutorial.

Unlike filament bulbs, LEDs are polarity sensitive. They have plus and minus (positive and negative) electrical terminals that must match the polarity of the applied voltage. Installing the bulbs “backwards” in the light bulb sockets (with reversed polarity) will not harm them, but they will not light. Flipping the bulb 180 degrees in the electrical connector cures this problem.

Bulb Types

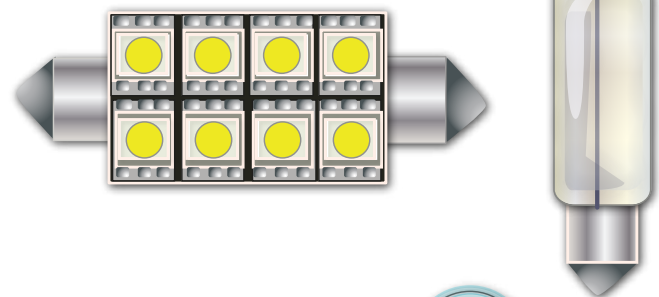
This kit includes two bulb types, classified by their general shape.

FESTOON - Conventional incandescent **festoon** bulbs have a shape and general appearance that is similar to a glass fuse.

Metal caps attached to both ends of a glass tube are sealed to the tube and attached to the bulb filament. End caps mount the bulb in its holder and also conduct electrical current.

LED festoon lights have the same pointed end caps, but are attached to a bank of LEDs instead of a filament tube.

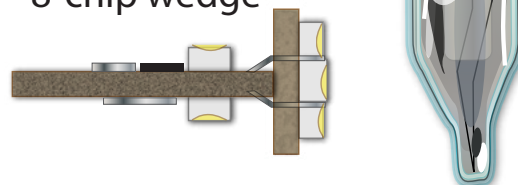
festoon



WEDGE - Wedge style bulbs get their name from the shape of the bulb base. The tapered end of the bulb “wedges” into the bulb socket.

LED wedge lights fit the bulb socket like a filament bulb, but are commonly polarity sensitive.

8-chip wedge



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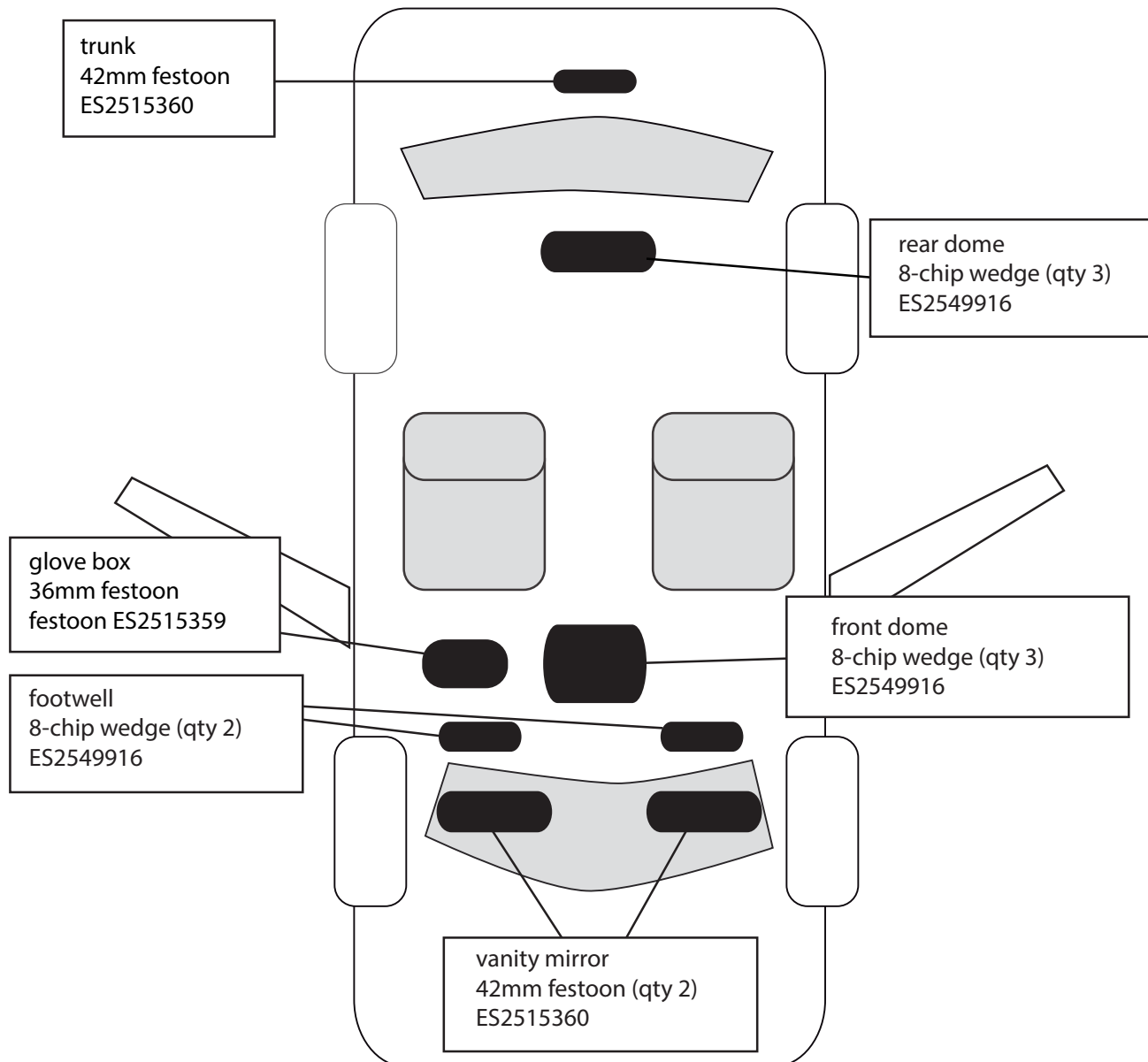
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Ziza Interior Lighting Kit BMW E82 (1 Series Coupe) for vehicles with premium lighting package

Kit Part Number _____ ES2222311 _____



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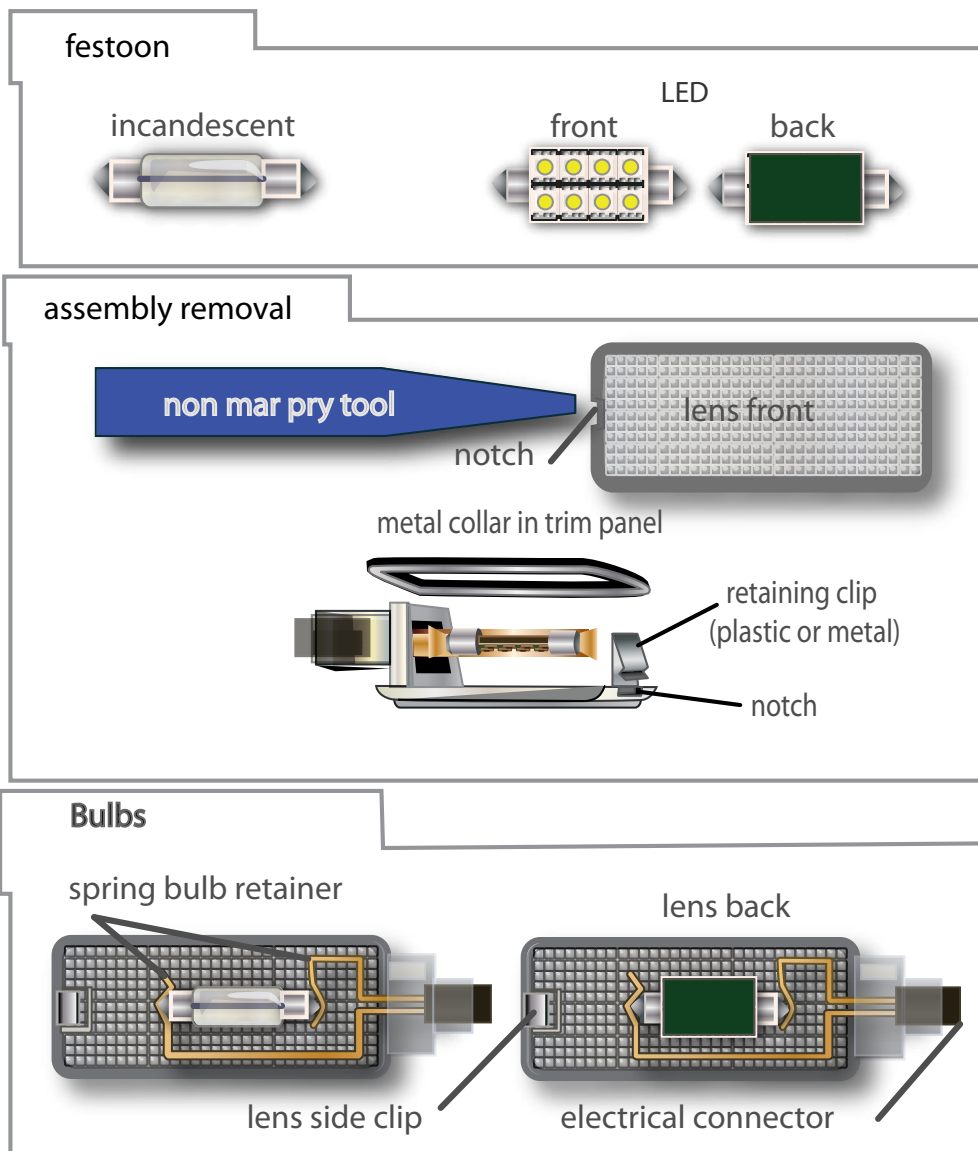
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General Tips

- When prying down on the assemblies to remove them, pry on the notched end of the lens. Insert the narrow tool tip **between** the lens plastic and any metal collar used to reinforce the lens mounting hole. Push in on the retaining clip first to compress and release it. Then pry down.
- The spring bulb retainer is also the circuit conductor. If necessary, gently bend the metal retainer so it holds the bulb tight. This will help prevent intermittent or flickering LED operation caused by a loose connection.
- Install the bulbs with the LEDs facing toward the lens.



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Front Dome Light LED Installation



Front Dome - Step 1

Pull the sun visors from their retainer clips and swing them to each side, out of the way.



Front Dome - Step 2

Pry back the cosmetic screw flap on the sun visor retainer clip with a small pick or screwdriver. Unscrew and remove both left and right sun visor clips using a T20 Torx® driver.



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Front Dome - Step 3

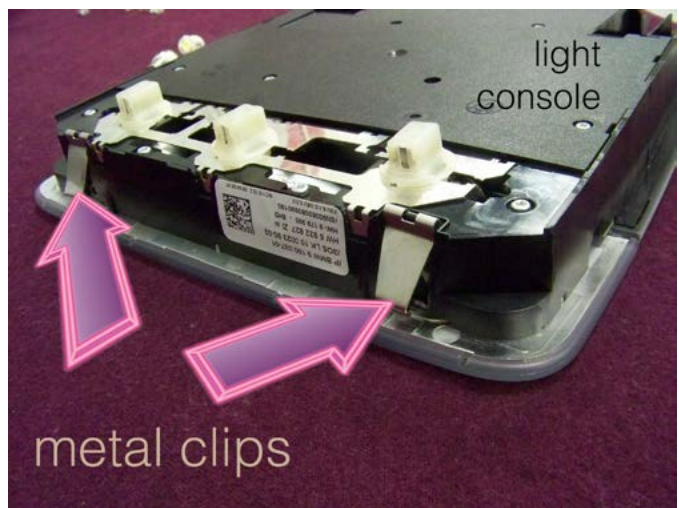
Pull the front of the headliner downward gently, just far enough that you can slide your fingers up behind the light console, and push in on the metal retainer clips on the front of the console.



Front Dome - Step 4

To help you better imagine what you are pressing against with your fingers, here's a shot of the metal clips on the front of the overhead dome light console.

Both spring clips must be compressed to release the console from the headliner.



Front Dome - Step 5

When the spring clips are compressed, pull the front of the console down and slightly forward until it drops from the headliner completely.



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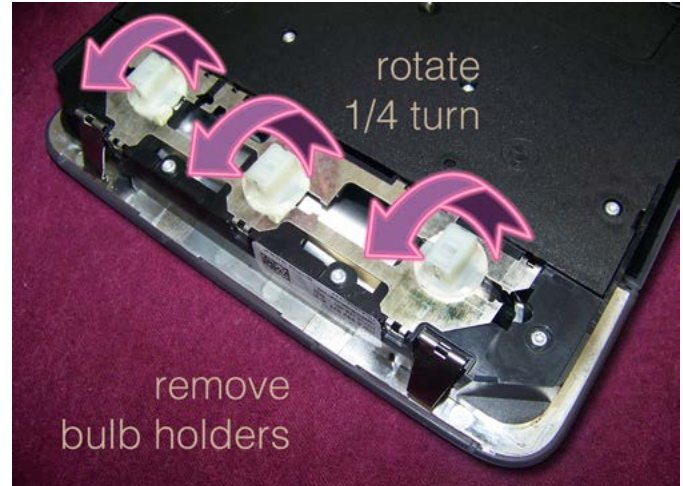


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Front Dome - Step 6

Remove the bulb holders from the front dome light console. Twist each white plastic holder a quarter turn, then pull it out of its hole.

Note: We removed the console from the car for photos; you can leave the console connected to the wiring and replace the bulbs while the console is still installed in the car.



Front Dome - Step 7

Pull the old wedge bulb from each of the three dome light holders and insert a new LED array in its place.



Front Dome - Step 8

Reinsert the LED and holder into each hole. Align the external tabs on the bulb holder with the mating notches in each bulb socket.

With the bulb holder fully inserted in the hole, turn each bulb holder a quarter turn to lock it in place.



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Front Dome - Step 9

Test all three lights. If any do not work, the bulb polarity is reversed.

If a light does not work:

- Remove the bulb holder again.
- Rotate it 180 degrees.
- Reinstall it and test again.



Front Dome - Step 10

When all bulbs are tested and working, reinstall the dome light console in the headliner.

- Push the rear of the console up into the headliner opening until the plastic tabs at the rear of the console engage the edge of headliner (1).
- Then push the front of the console upward until the metal clips snap in place (2).



Front Dome - Step 11

Reinstall the sun visor clips, and reattach the sun visors.



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Rear Dome Light LED Installation



Rear Dome - Step 1

Reach up with both hands, and grip the front edge of the rear dome light console with your fingertips.

Push the edge of the console **rearward**, toward the back of the car. Then pull downward to release the dome light cover from the headliner.



Rear Dome - Step 2

The rear dome light uses three wedge style bulbs. While all three have the same wedge base, the two outer LEDs are mini wedges with a single light chip. The center LED is a five chip array.

Twist the bulb holders a quarter turn. Remove them. Replace the old filament bulbs with new LEDs, and reinstall the bulb holders.

Test the lights. If any do not work, remove the bulb from the holder, then rotate it 180 degrees, and reinstall it.



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Rear Dome - Step 3

Reinstall the rear dome light cover.

Engage the plastic retainer clips in the headliner opening and tip the other end of the console upward until it snaps in place.



Glove Box Light LED Installation



Glove Box Light - Step 1

Open the glove box door.

Using a soft plastic pry tool or the edge of your thumb or finger, pry down the right side of the glove box light assembly (the side away from the push switch).



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Glove Box Light - Step 2

The factory glove box bulb is an incandescent festoon bulb. The bent wire spring clip that holds it in place doubles as the electrical current path.

Pop out the old bulb, and replace it with a festoon LED.



Glove Box Light - Step 3

Install the LED array so the individual LEDs face toward the lens. As with the wedge style bulbs, the festoon LED array is polarity sensitive.

If it does not light when installed, remove it and turn it end-for-end.



Glove Box Light - Step 4

Insert the left side of the glove box light into the opening as shown. then rotate the lens upward until it snaps in place.

Note the location of the push pin actuator for the light switch. Check its alignment and operation to complete the LED glove box light installation.



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Vanity and Footwell LED Installation



Vanity Mirror Light - Step 1

Using a non-marring plastic trim removal tool, pry down on the vanity mirror assembly as shown.



Vanity Mirror Light - Step 2

Remove the original festoon filament bulb and replace it with a 42mm festoon LED.

Test the light. If it does not work when tested, the polarity is reversed. Remove the bulb and flip it end for end; reinstall it and test again.

Repeat this process at the opposite vanity mirror.



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Footwells

Use the non-marring tool to pry down on the left and right side footwell light assemblies.

Replace the original filament style wedge bulbs with a large multiple chip LED wedge from the kit.

If the LEDs do not light when tested, remove them and flip them over in the socket.



Trunk Light LED Installation



Trunk Light - Step 1

Open the trunk. Reach in and pry down on the right side of the light assembly to release it.

Tilt it downward far enough to replace the old bulb with the new LED.

(We disconnected and removed the entire assembly for photos. You may find that approach easier, as well.)



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Trunk Light - Step 2

Remove the thin metal shield to expose the bulb.

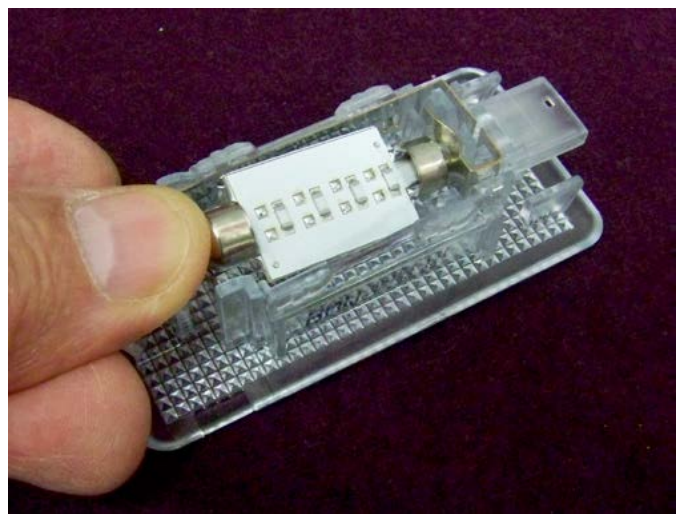


Trunk Light - Step 3

Pry up on the old festoon bulb to release and remove it.

Install the new bulb with the LED array facing the lens. The solder connections on the back of the LED array will face upward, as shown.

Reinstall the protective shield.



Trunk Light - Step 4

Install the bulb assembly. (Reconnect the wiring if necessary.)

Insert the left side of the bulb assembly into the opening in the parcel shelf until the tabs engage the lip of the hole. Tip the right side of the light assembly upward until it snaps in place.



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This concludes the installation of the Ziza Interior Light Kit.



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