

Car manufacturers increasingly equip cars with additional LED lights for daytime driving called DRL (Daytime Running Lights). There is also undoubtedly the fashion for installation this type of lighting in older vehicles. As show the recent laboratory studies made by major automotive manufacturers of lighting systems - it is not solely dictated by the desire to embellish the car, but action to achieve savings during its everyday use.

LED DayLight Set

ⓘ SYSTEM STANDBY

LPQ080
713121617080

12/24 V
2x2 W

12/24 V
2x3 W

LAQ010
713120117010



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ECONOMICS AND VERSATILITY

The set of ordinary halogen bulbs applied in low beam headlamps use about 100-150W. Sets of two daytime running lamps **LAQ010** and **LPQ080** produced by **Magneti Marelli**, made using the latest generation of LED consumes only **4-6W** (2x3W/ 2x2W), which are certainly excellent results among all the major manufacturers of this type of lighting. In addition, long service life of the DRL diodes, used in the sets of **LAQ010** and **LPQ080** reach up to 100.000 hours of continuous operation, which is several times more than standard bulbs. This translates immediately to reduce fuel consumption of up to 0,25 L/ 100km, because that much consumes a moving car with low-beam headlamps. Daytime running lamps do not practically affect the size of the combustion of a car and their use is essentially maintenance-free. A wide range of options for power supply of daytime running lamp kits **LAQ010** and **LPQ080** of **Magneti Marelli** (12V/ 24V) gives them great versatility of use (passenger cars, vans and trucks).

SAFETY - BE VISIBLE

According to European Commission Regulation **ECE R87** all new passenger cars models that obtained homologation after 01.01.2011 must necessarily be equipped by the factory with daytime running lights. Excellent visibility of the car in the sets of **Magneti Marelli** daytime running lamps **LAQ010** and **LPQ080** provide LED that emit light at very high color temperature, as much as 6000 Kelvin's. Such lights are visibly cutting off from natural sunlight and do not dazzle. The bright, white color ensures that we run the car which is already noticeable from a distance to other road users. A car equipped with daytime running lamps can use them during the day as the primary lighting.

HOW TO CHOOSE THE PROPER ONE?

In this case, we must be very careful. To make the use of this kind of lights legally, several conditions has to be met. The cheap sets present on the market, sold as daytime running lamps, often have no characteristics and certificates required by law. First of all, deciding to purchase this type of lights, it should be noted that they have **HOMOLOGATION**. Its **E-mark** together with the identification code of the country, which issued the certificate should be kept on the glasses of DRL lamps. Choose only the daytime lamps approved for use with a clear, indelible and visible markings after installation on the reflector lens in the form of letters **RL** and with a number of version of the Regulations under which the certificate was issued. The minimum required by European regulations approval the illuminating surface of each of the daily lamps should be 25cm². A set of LED daytime running lamps **LAQ010** and **LPQ080** of **Magneti Marelli** of course has all features listed above and required by law.

STANDBY SYSTEM

According to law, DRL lights should automatically turn on and in such standard daytime running lights **LAQ010** and **LPQ080** of **Magneti Marelli** work. Used in this set electronic system "sleep" - **STANDBY** - turn on DRL headlights with the starting of the vehicle and the emergence of an appropriate voltage in the electrical system, and daytime running lights automatically turn off after starting low beam headlamp, high beam headlamp and fog lamps.

PROPER INSTALLATION

Although the connection of **Magneti Marelli LAQ010** and **LPQ080** daytime lamps sets to the electrical system of the car is very simple, it has to be made according to strict rules of law and based on the absolutely basic knowledge of electrical installations. Detailed instructions in picture version, included with each set of **Magneti Marelli** daily lamps **LAQ010** and **LPQ080** makes their installation not complicated and time consuming for the average user of the car.

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