

Zmodell
1:220

**Illuminated load insert with
magnet switch for Märklin®
4-axle crude iron ladle car**



Note: the car is not included

High quality imitation of molten iron is achieved by direct UV-printing a real photo of hot liquid metal onto the surface of the load insert coated with fine grade sand stabilized with glue.

Quantity: 1 piece **Weight:** 1.2±0.05 g (with batteries)

Power: 3V (2x LR621 1.5V button cell batteries)

Suitable for: Märklin® 86210, 86211, 86213

The load insert comes with already installed batteries. It is recommended to use the **ZM-SWM-01** switching magnet for turning on and off the built-in LED illumination. Please see the detailed information about the use of this item inside this booklet.



ZM-MRK-SW-001L
Made in Ukraine

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**BATTERIES
INCLUDED**

**Illuminated load insert
for Märklin® 4-axle
crude iron ladle car**
1 piece

With magnet switch
(Hall effect sensor)



Battery operated
3V (2x LR621 1.5V)



ZM-MRK-SW-001L

Instructions

Batteries

The load insert comes with already installed batteries (2x **LR621 1.5V** button cell). The size of suitable batteries is 6.8 mm x 2.1 mm and the voltage is 1.5 V (alkaline) or 1.55 V (silver oxide). The following battery types can also be used: **AG1, LR60, SG1, SR60, SR621, SR621W, SR621SW, 364, V364, GP64A, GP164.**

Remove the battery insulation tab before use. Insert the tab again when item is not used for a long time to prevent discharging the batteries.

Replace the batteries when the light is weak or does not work. During replacing the batteries, ensure that the black plastic insulator attached inside the battery compartment remains in place to avoid short circuit.

Tip: In some cases, it may be needed to slightly bend down the

spring tab of the metal battery holder to ensure reliable electrical contact.

Wireless control

The load insert is equipped with orange LED illumination that imitates the glowing of hot molten metal. Built-in electronic circuit is equipped with a magnet switch based on a Hall effect sensor that allows wireless control of the illumination.

It is recommended to use the **ZM-SWM-01** switching magnet for turning on and off the illumination (ask your dealer for availability). To turn on the LED, slowly move the magnet over the load insert at a distance of 1-2 cm. To switch off the light, repeat the operation.

Automatic operation

It is possible to set up the automatic operation of load inserts on layouts using magnets installed on the frames over the tracks. Suggested layout is shown on the following picture:

