

DR100/DR110 28cm led strip (yellow/white/warm white)

Manual

V1.0B

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Content DR100W/Y and warm-white

1 Led strip 28cm
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Content DR110W/Y and warm-white

1 Led strip 28cm

WARRANTY All our products have a 24-month manufacturer's warranty. However, please read this manual carefully. Any damage to the product caused by failure to follow these instructions will invalidate the warranty. We are also not liable for any other damage caused by not following the instructions as stated in this manual. Installation of this LED strip is at your own risk. Digikeijs is not liable for damage caused to the wagon or other object. Digikeijs is also not liable for the lapsing of the guarantee of your wagon or other object.

Product description

General

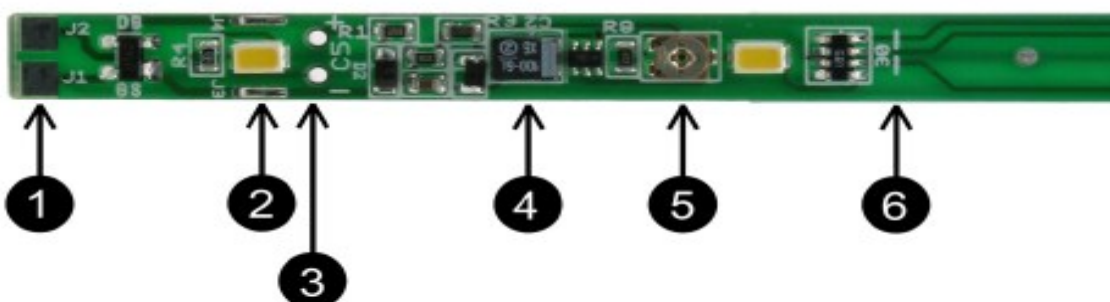
This LED strip with yellow, white or warm-white LEDs can be used to illuminate wagons, platform lighting or buildings.

Functions and features

The LED strip features a special circuit that always provides the LEDs with a constant voltage and also limits the maximum current consumption to 40mA.

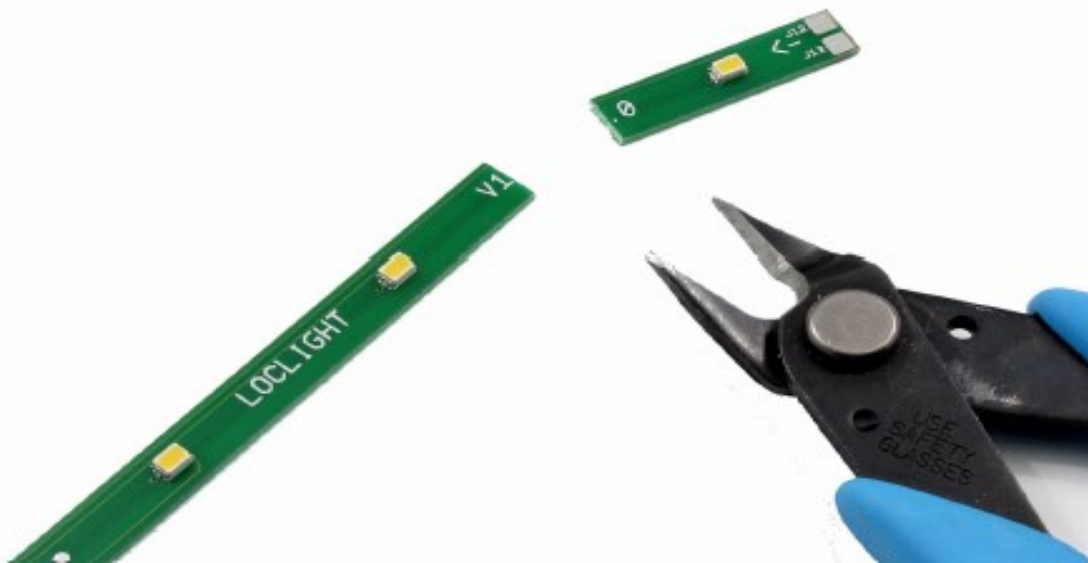
Features at a glance:

- 10 Leds (yellow, white or warm-white).
- Size LxWxH: 280mm x 6mm x 3.3mm
- Maximum current consumption of 40mA (20mA per segment)
- Voltage consumption 5V to 30V
- Track connection (1)
- Connection for external lighting (2)
- Extra anti flash capacitor connection (3)
- Anti-flashing capacitor (4)
- Adjustable light intensity (5)
- Divisible in different lengths up to a minimum length of 2 LEDs (+/- 4cm). (6)



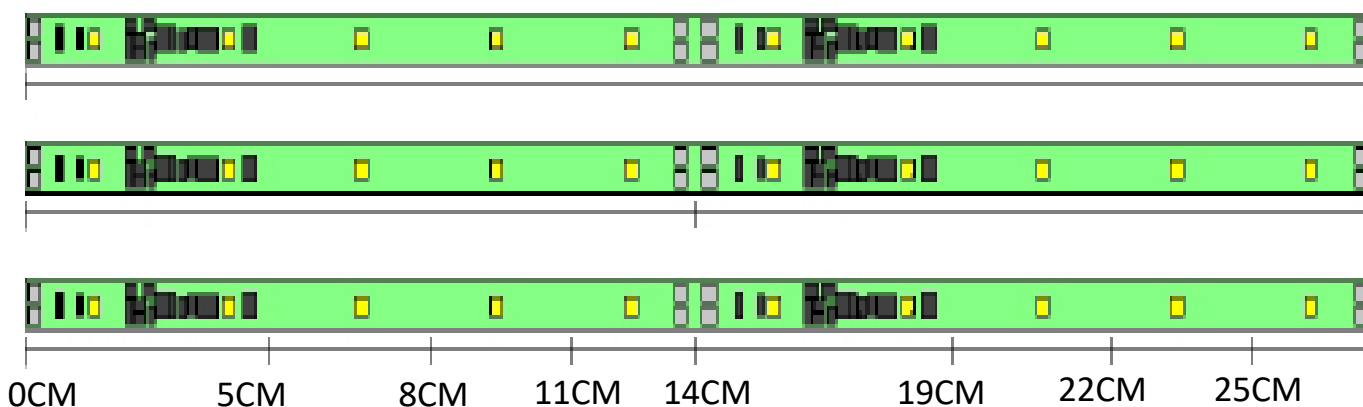
Shortening the LED strip

You can bring the LED strip to the right length yourself depending on the size of your carriage. This can be done with a pair of cutters, for example. The LED strip can be shortened per LED.



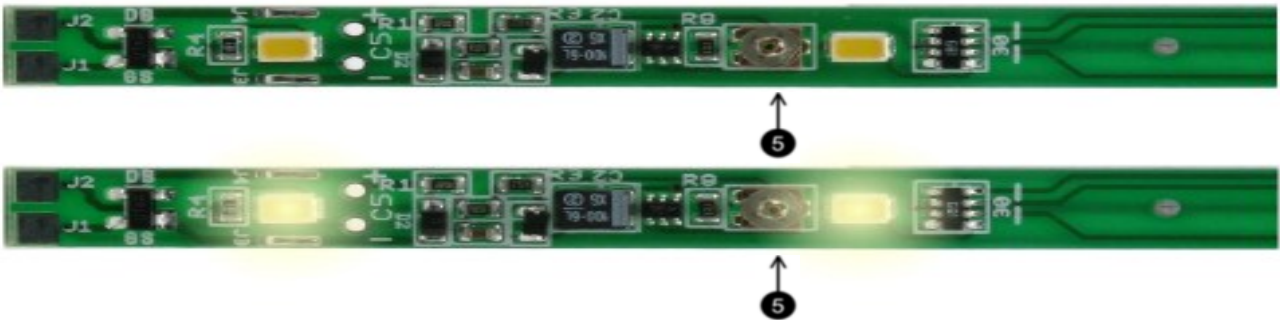
Dividable lengths

Below is an illustration of all dividable options.



Adjusting brightness

All colour versions of the DR110 have an adjustable brightness by means of a miniature potentiometer (5). This can be turned with a small screwdriver to adjust the brightness.



Do it yourself anti blink solution

Why?

It is possible to fit an extra capacitor per voltage group yourself. An extra capacitor provides a larger current buffer and prevents the LED strip from flashing if the track contact is poor.

PLEASE NOTE: Your warranty will be voided by carrying out this anti-blinking solution.

Requirements

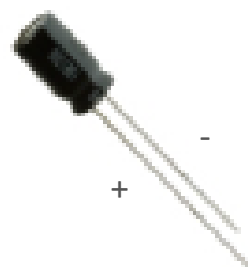
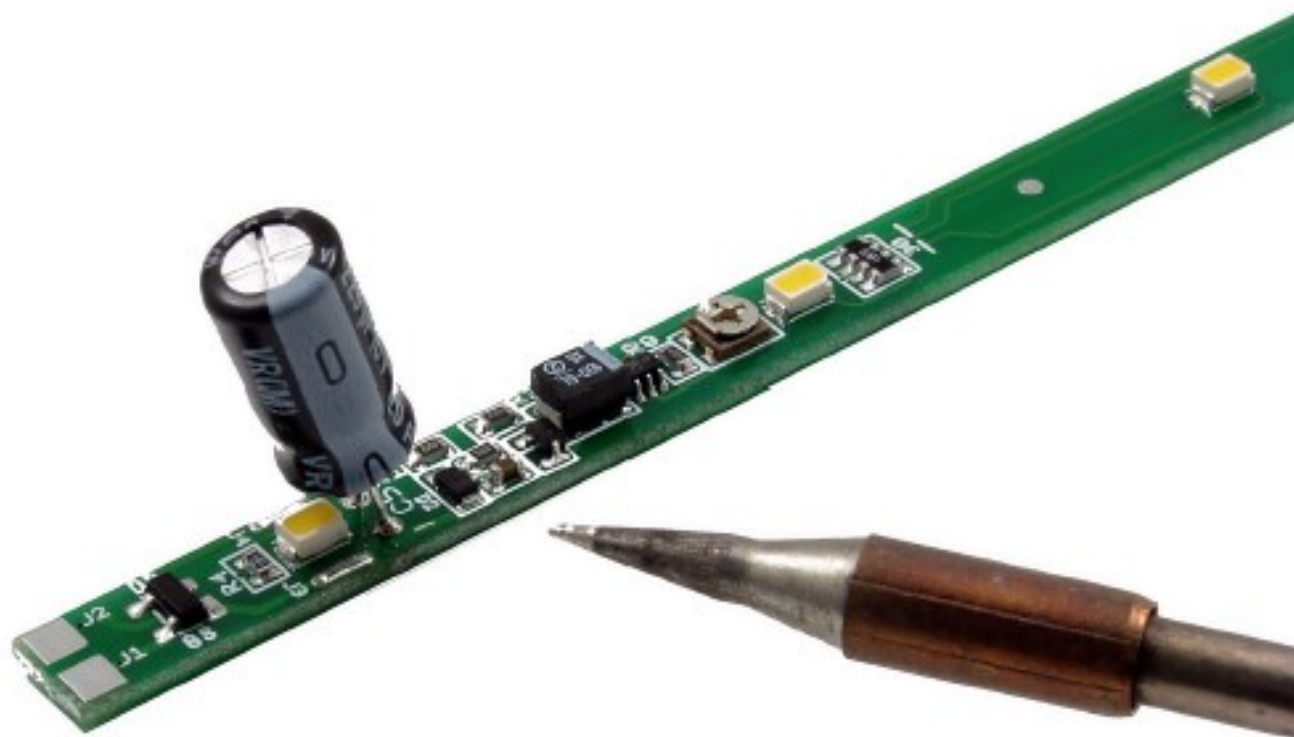
Electrolytic capacitor with a minimum capacity of 220uF and a minimum voltage of 16 Volt. (2 capacitors are required for the complete strip).

Article number: DR60023 to DR60026 (different numbers per package) see also overview on page 7.



Connection example

The LED strips are equipped with the correct connection options for the capacitors. The illustration below shows how to mount the capacitors. NOTE: Polarity is very important. So pay attention to plus and minus of the capacitor.



Additional product numbers

DR60005	Contacts H0	10 pieces
DR60010	Contacts N	10 pieces
DR60023	Capacitor 220uF /16V	20 pieces
DR60024	Capacitor 470uF/16V	10 pieces
DR60025	Capacitor 1000uF/16V	10 Pieces
DR60026	Capacitor 2200uF/16V	5 Pieces
DR60105-N	Mixed Figures standing/sitting	1000 Pieces
DR60105-H0	Mixed figures standing/sitting	1000 pieces
DR60110-N	Standing figures	100 pieces
DR60110-H0	Standing figures	100 pieces
DR60120-N	Sitting figures N scale	100 pieces
DR60120-H0	Sitting figures H0 scale	100 pieces