

Zmodell

1:220

**ILLUMINATED
DC 12V**

Park Light

Era III-VI



ZM-LP-01W

Installation

- 1 Drill the hole in the layout surface using **0.9 mm** drill bit.
- 2 Insert the park light into the hole and carefully place it on the layout surface as shown on Page 4.
- 3 Fix the lower end of the light pole with glue from the bottom side of the layout surface. It is recommended to use lasercut glue (for example, **Faller® Expert Lasercut Art. No. 170494**); don't use glues for plastic as they may damage the lacquer coating.
- 4 Connect the current-limiting resistor to one of the light's outputs and connect the light to the power source. Carefully isolate all bare sections of wire with shrinking tube or insulating tape.

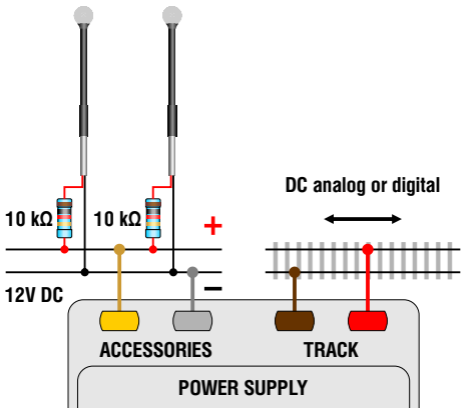
Note: In case you need to shorten the cables, further stripping of the cables is possible only with a special stripping tool for cables with PTFE insulation like **Rennsteig® 8007 5001 3** or **Pro'sKit® 1PK-3001E**.

Important Information

Please observe polarity and connect the light only to the stabilized voltage power supply. **Never connect the light directly to the power supply - it will destroy the LED immediately and void the warranty!** Always use current-limiting resistor!

Do not connect the light to AC power source or to the track output (analog or digital). When using **10 kΩ** current-limiting resistor that comes in the package, do not exceed maximum

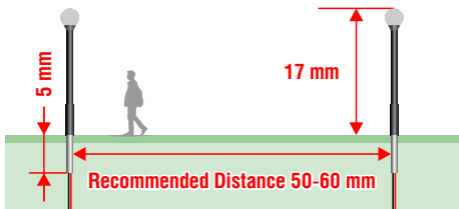
allowed operating voltage. In case of higher power supply voltage (for example, **16-24V DC**), resistor with higher value is needed (**20-22 k Ω**).



A useful tool for calculating resistor values for LEDs is available here:

<https://ledcalculator.net>

In case of using special power source for LEDs, please refer to the user manual of such a device to determine the value of the current-limiting resistor and other connection parameters.



Finely detailed true-to-scale model of the park light is made of precisely processed stainless steel parts airbrushed with black lacquer paint, acrylic and 3D printed elements. The light is equipped with 3200K warm white type 0402 LED.

Quantity: 1x Park light, 1x 10 k Ω current-limiting resistor

Scale: Z scale 1:220 **Era:** III-VI

Size: 17 x 2.5 mm (Height above the surface level x Diameter)

Power: 8-16V DC (12V DC recommended)

Power consumption: 1 mA @ 12V DC **Cable length:** 280 mm

Suitable for: Z scale 1:220 buildings, layouts and dioramas

Please see the detailed information about this item inside this booklet.

