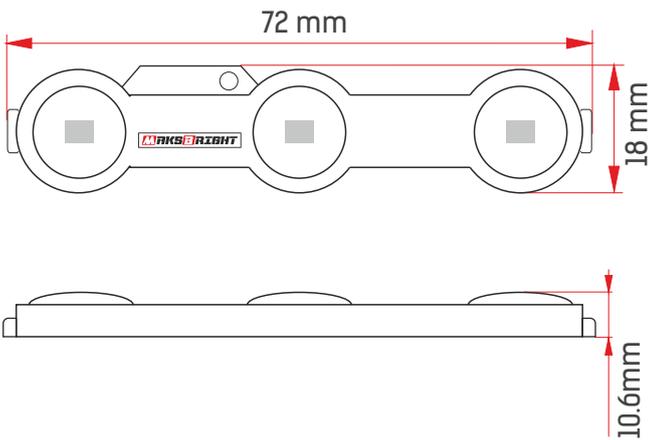


3 WARRANTY
3 YEAR*

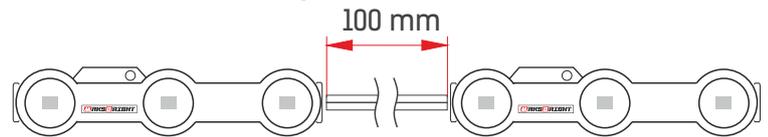
Storage temperature:
-30 to +60 C
Working temperature:
-30 to +50 C

SPECIFICATION

MB-M3KO-PL-L-RGB



Wire length between modules



Description	Color	Luminous flux	Lum. Flux angle (degrees)	Voltage	Input cur	Power	Weight	Dimension, mm	Protection rating**
MB-M3KO-PL-L-RGB		21000 mcd	140	12V	0,06A	0,72W	9,5 r	72*18*10,6	IP67

****For indoor and outdoor use away from direct sunlight.**

ADVANTAGES:

- Made in Korea;
- Moisture protection Ip67;
- Chip-based lens ensure extra protection and luminous flux angle of 140 degrees, which improves filling uniformity;
- Waterproof body welded based on the ULTRASONIC technology;
- Reliable heat dissipation system;
- No polarity.

APPLICATION:

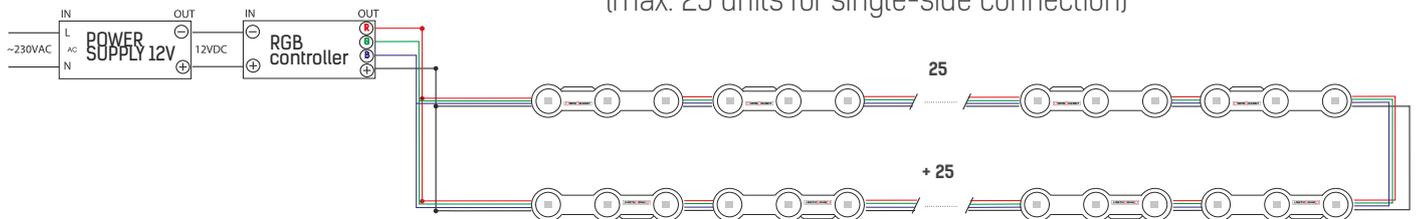
- Dynamic lighting advertising structures, 80-150 mm depth;
- Custom interior decoration;
- Custom architectural illumination.

*If equipment operation period does not exceed 12 hours a day. Day-and-night operation reduces the warranty period twofold.

INSTALLATION

Do not supply over 12 V (or test via screwdriver batteries) to modules!

The maximum number of modules connected in from two sides in one circuit is 50 units.
(max. 25 units for single-side connection)



NOTE: For installation see the connection diagram. Improper connection may result in a short circuit!

ATTENTION: Make sure the power supply unit is disconnected, when connecting LEDs.

ATTENTION: In case of two-side connection, make sure that "+" and "-" at the beginning of the circuit coincide with "+" and "-" at the end.

CALCULATION OF THE NUMBER OF MODULES PER POWER SUPPLY UNIT

To calculate the maximum number of modules per power supply unit, we recommend using the formula below:

$$\text{max number of modules} = \frac{\text{Power supply unit power}}{\text{Module power} \times 1,2}$$

where 1.2 is 20% redundant power supply.

Power supply unit, power	Max number of modules
18W	20 units
35W	40 units
50W	57 units
60W	69 units
100W	115 units
150W	173 units

Light-emitting diode module wiring should be waterproof so that no moisture could penetrate electronic board through the wires.

If the goods should be returned for any reasons, to ensure the quickest processing of a particular claim, we earnestly ask to fulfill the following requirements:
LED products with flexible conductors between the light sources: modules, pixels and similar modifications should be disassembled when returning single units so that their length is at least the half of the standard length between them.

Attention! Modules and pixels with short-cut conductors shall not be subject to reclamation.