

SPECIFICATION | MB-M3SA-KO-PL-2835-W

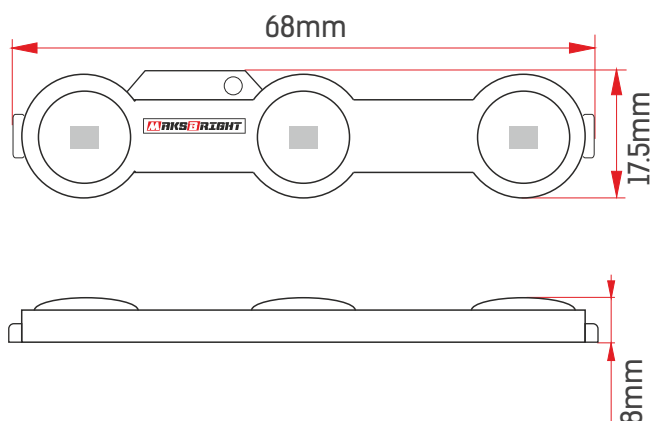
3 WARRANTY
YEAR*

Storage temperature:
from -30 till +70 C
Operating temperature:
from -30 till +60 C

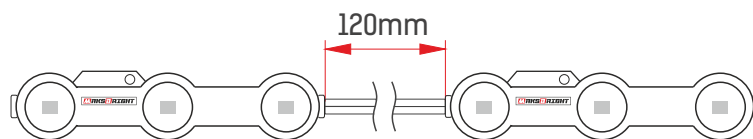


Name	Color	Color temperature	Luminous flux	Angle of luminous flux	Voltage	Current consumption	Output	CRI	Dimensions	Protection class**
MB-M3SA-KO-PL-2835-W		6500K	110 lm	140	12V	95mA	1,14W	84	68*17.5*8	IP67

**To be used indoors and outdoors, excluding exposure to direct sun rays.



Module to module cable length



APPLICATION:

Advertising structures having the depth from 80 to 200 mm;

Illumination of store fixtures and equipment;

Interior design of residential and commercial premises.

APPROXIMATE CONSUMPTION OF MODULES

Depth, mm	Quantity of modules per m2, pcs	Surface luminosity*, Lx
80	154	7300
90	143	6300
100	120	5500
120	72	3000
150	42	2100

*Glass used in measurements: milk-white acryl, 3 mm

ADVANTAGES:

Made in Korea;

Chips by SAMSUNG;

Moisture protection IP67;

High colour rendering index - CRI 84;

Chip lens allows for an extra protection and light flux angle of 140 degrees, which improves the lighting uniformity;

Sealed housing welded using ULTRASONIC technology;

Reliable heat removal system;

No polarity.

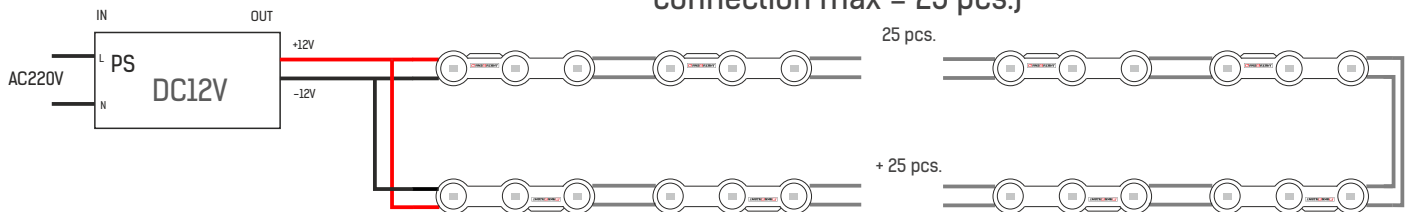
*If equipment is operating max 12 hours per day.
In case of a day and night operation the warranty period is decreased by 2 times



INSTALLATION

IT IS PROHIBITED to supply (test using screwdriver batteries) to modules voltage exceeding 12V!

Maximum number of modules per circuit connected from both sides, 50 pcs. (in case of a single-sided connection max = 25 pcs.)



NOTE: For installation refer to the connection diagram. Improper connection may cause a short-circuit!

ATTENTION: Make sure that the power supply unit is disconnected before connecting light-emitting diodes.

ATTENTION: When connecting from two sides make sure that "+" and "-" in the beginning of the circuit correspond to "+" and "-" at the end of the circuit.

INSTALLATION EXAMPLE

Depth, mm	MAX distance between LED modules, mm	MAX distance between circuits of LEDs, mm
80	15	55
90	20	60
100	30	70
120	50	100
150	90	140

For the purpose of calculating the maximum quantity of modules per power supply unit, we recommend to use the following formula:

$$\text{max q-ty of modules} = \frac{\text{supply unit power}}{\text{module power} \times 1.2}, \text{ where } 1.2 - 20\% \text{ margin of supply unit power.}$$

CALCULATION OF MODULES PER POWER SUPPLY UNIT

Supply unit, power	Max quantity of modules
18W	13 pcs.
35W	25 pcs.
50W	36 pcs.
60W	43 pcs.
100W	73 pcs.
150W	109 pcs.

