

SPECIFICATION | MB-M3KO-SA-L-2835-W

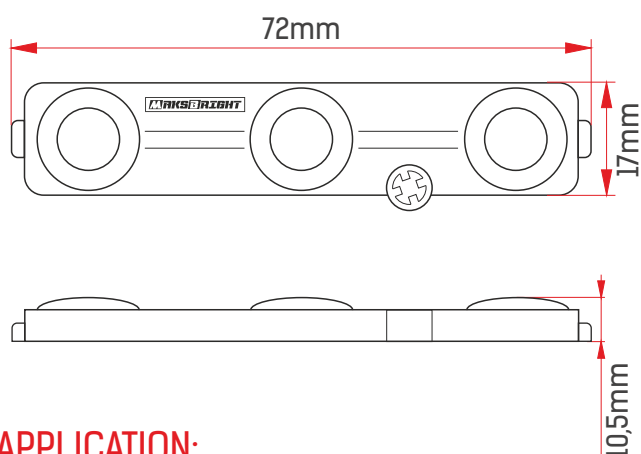
3 WARRANTY YEAR*

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

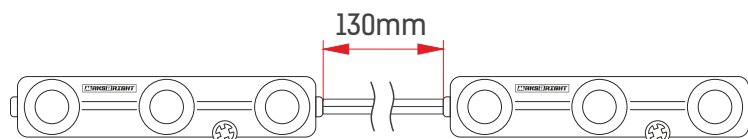


Name	Color	Color temperature	Luminous flux	Angle of luminous flux	Voltage	Current consumption	Output	CRI	Dimensions	Protection class**
MB-M3KO-SA-L-2835-W		6500K	120 lm	150	12V	100mA	1,2W	85	72*17*10,5	IP65

**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 150 mm;

Illumination of store fixtures and equipment;

Interior design of residential and commercial premises

ADVANTAGES:

Made in Korea;

Chips by SAMSUNG;

Lens allows for an extra protection and light flux angle of 150 degrees which improves the lighting uniformity;

High efficiency of a module and low cost of 1 lm;

Reliable heat removal system;

Cable AWG 20 (homogeneous illumination of all modules in a standard circuit including 50 pcs.).

APPROXIMATE CONSUMPTION OF MODULES

Depth, mm	Quantity of modules per m2, pcs	Surface luminosity*, Lx
80	56	2400
90	42	2100
100	36	1800
120	25	1300
150	20	1100

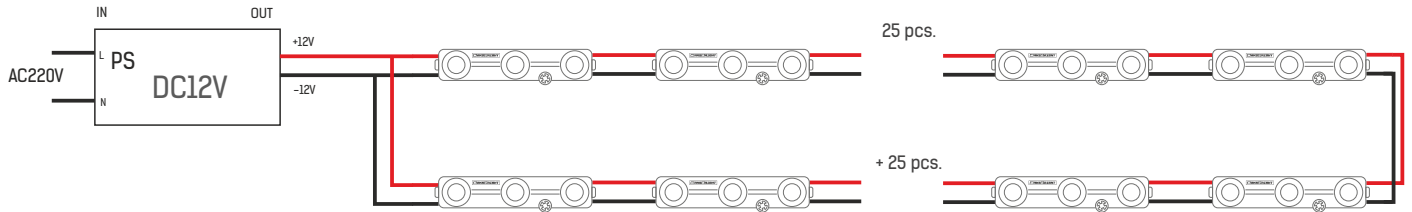
*Glass used in measurements: milk-white acryl, 3 mm

*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

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.

INSTALLATION EXAMPLE

Depth, mm	MAX distance between LED modules, mm	MAX distance between circuits of LEDs, mm
80	80	140
90	100	150
100	130	180
120	130	230
150	130	300

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	12 pcs.
35W	24 pcs.
50W	34 pcs.
60W	41 pcs.
100W	69 pcs.
150W	104 pcs.

