

## SPECIFICATION | MB-M3KO-L-MINI-W

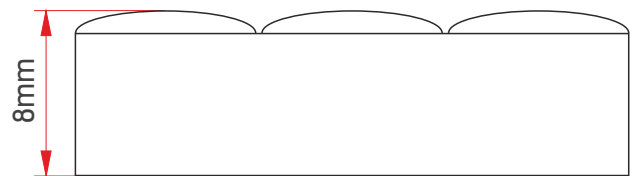
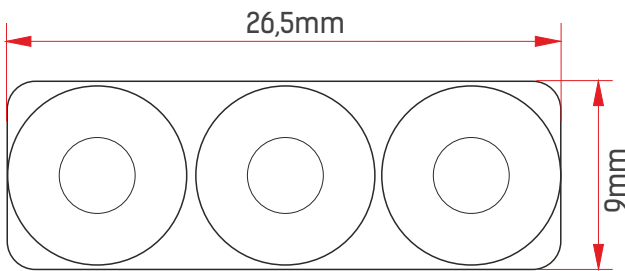
**3** WARRANTY  
**YEAR** \*

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

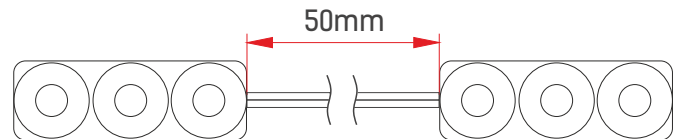


Name	Color	Color temperature	Luminous flux	Angle of luminous flux	Voltage	Current consumption	Output	CRI	Dimensions	Protection class**
MB-M3KO-L-MINI-W		6500K	40 lm	150	12V	40mA	0,48W	82	26,5*9*8	IP65

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



Module to module cable length



### APPLICATION:

Advertising structures having the depth from 50 to 100 mm;

Illumination of store fixtures and equipment;

Interior design of residential and commercial premises.

### ADVANTAGES:

Made in Korea;

Compact size;

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.

### APPROXIMATE CONSUMPTION OF MODULES

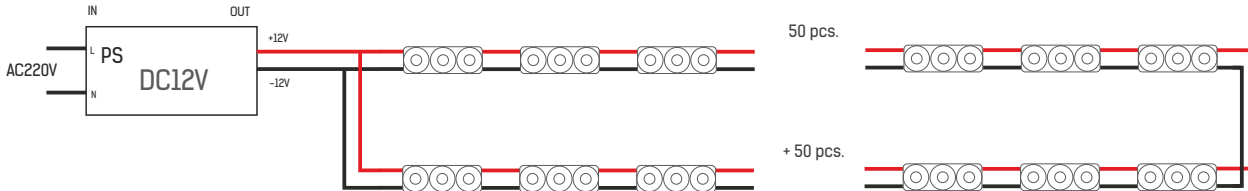
Depth, mm	Quantity of modules per m2, pcs	Surface luminosity*, Lx
50	315	5500
60	221	4000
70	169	3300
80	156	2800
90	130	2600
100	117	2400

\*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, 100 pcs. (in case of a single-sided connection max = 50 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
50	40	40
60	50	50
70	50	70
80	50	80
90	50	90
100	50	100

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	31 pcs.
35W	60 pcs.
50W	86 pcs.
60W	104 pcs.
100W	173 pcs.
150W	260 pcs.

