MAKSBRIGHT
PROFESSIONAL LED SOLUTIONS
info@maksbright.com
denis@maksbright.com
www.maksbright.com

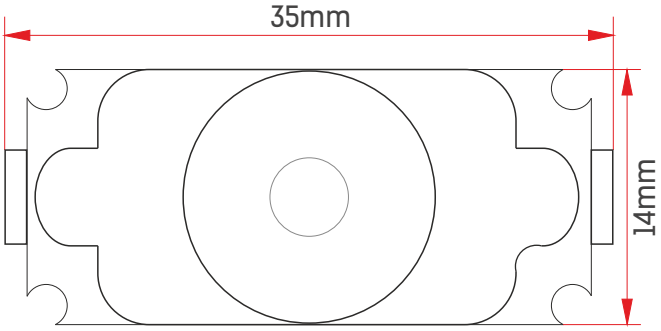
SPECIFICATION | MB-M1K0-L-3030-W

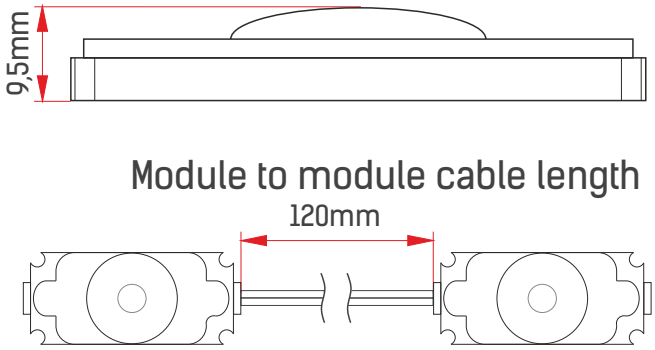
3 YEAR WARRANTY *

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	Dimensions	Protection class**
MB-M1K0-L-3030-W		6500K	75 lm	160°	12V	75mA	0,9W	35*14*9,5 mm	IP65

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





APPLICATION:

Advertising structures having the depth from 50 to 150 mm;

Illumination of store fixtures and equipment;

Interior design of residential and commercial premises.

ADVANTAGES:

Made in Korea;
Lens allows for an extra protection and light flux angle of 160 degrees, which improves the lighting uniformity;

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

Reliable heat removal system;

Cable AWG 18 (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
50	506	11000
60	342	8800
70	255	6700
80	156	4900
90	110	3400
100	90	3000
120	42	1500
150	35	1000

*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

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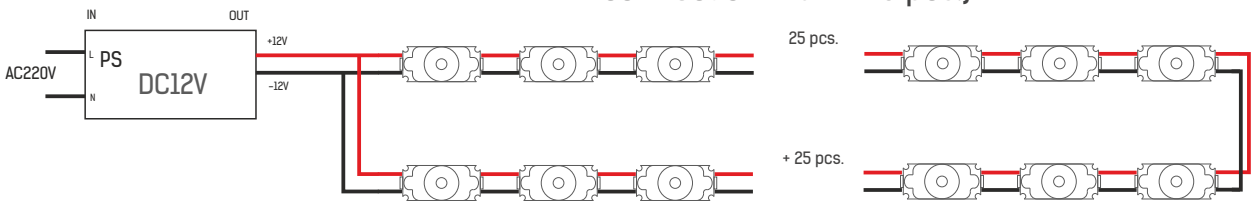
INSTALLATION

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
50	10	30
60	20	40
70	25	55
80	40	70
90	60	90
100	70	100
120	110	150
150	120	200

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

$$\text{max q-ty of modules} = \frac{\text{supply unit power}}{\text{module power} \times 1.2}$$

, where 1.2 – 20% margin of supply unit power.

CALCULATION OF MODULES PER POWER SUPPLY UNIT

Supply unit, power	Max quantity of modules
18W	16 pcs.
35W	32 pcs.
50W	46 pcs.
60W	55 pcs.
100W	92 pcs.
150W	138 pcs.