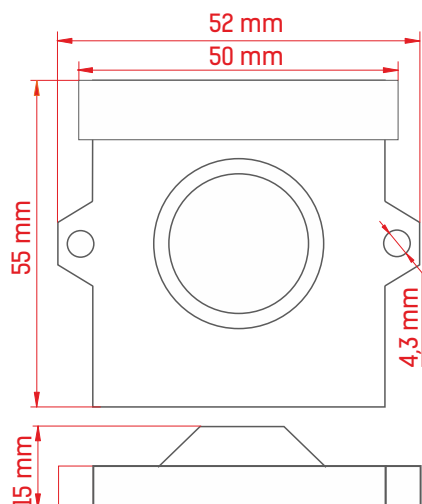


**5 WARRANTY\***  
**YEAR**

Storage temperature:  
from -40 till +60 C  
Operating temperature:  
from -25 till +60 C

SPECIFICATION

MB-MSLL-1W



Name	Color	Color temperature	Luminous flux	Angle of luminous flux	Voltage	Current consumption	Output	Dimensions	Protection class**
MB-MSLL-1W		7000K	126 lm	10°40	12V	100mA	1,2W	55*52*15	IP65

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

**APPLICATION:**

Double-sided light boxes with depth of min 100 mm;

Single-sided light boxes with depth of min 75 mm;

Bus stops, advertising towers, billboards, illumination of stands, and many other applications.

**ADVANTAGES:**

Exceptional brightness;

Quick, safe and easy installation;

Guaranteed operation at lower maintenance costs;

Reliable heat removal system (aluminium board + heat-conducting plastic);

Built-in current stabilizer (homogeneous illumination of all modules in a standard circuit including 15 pcs.).

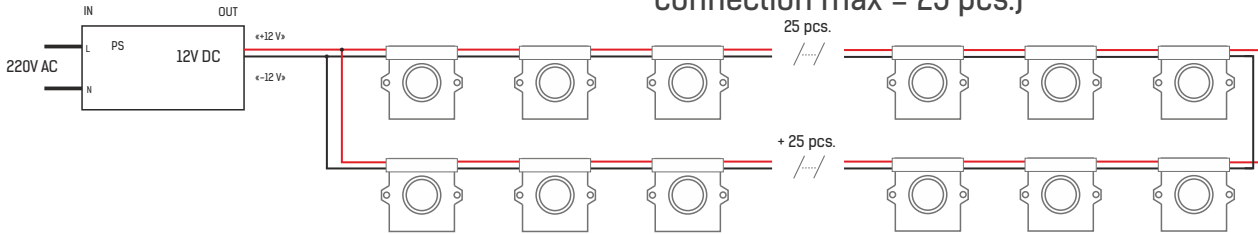


\*If equipment is operating max 12 hours per day.

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.)



- moisture-proof connection
- insulated cable
- and so on

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.

## CALCULATION OF MODULES PER POWER SUPPLY UNIT

Power supply unit (outdoor application)	Q-ty of modules min / max
LPV-18-12	1 / 13
LPV-35-12	1 / 25
MBPS-W-60-12	1 / 41
LPV-60-12	1 / 41
MBPS-W-100-12	1 / 69
CLG-150-12	1 / 90

## INSTALLATION EXAMPLE

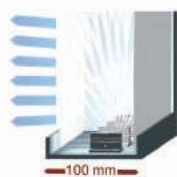
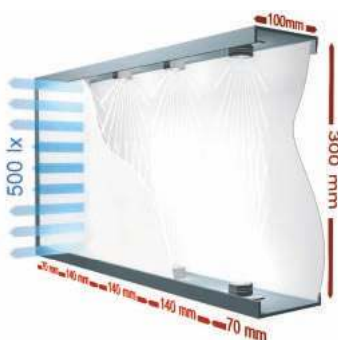
### DISTANCE BETWEEN MODULE CENTRES

Single-sided light box

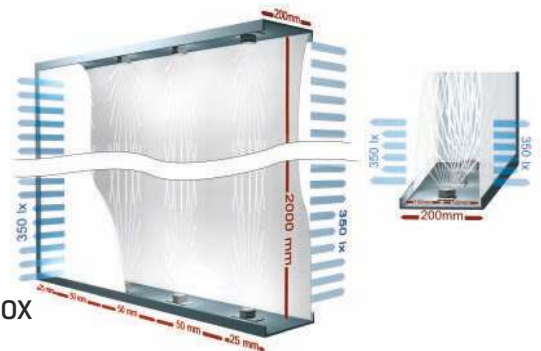
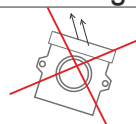
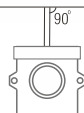
Height, mm \ Depth, mm	300	500	700	900	1100	1400	1700	2000
80	60	60	x	x	x	x	x	x
120	150	150	150	150	x	x	x	x
150	180	180	180	180	180	170	x	x
180	200	200	200	200	180	150	110	x
250	232	232	220	190	170	140	110	100

Double-sided light box

Height, mm \ Depth, mm	300	500	700	900	1100	1400	1700	2000
80	60	60	x	x	x	x	x	x
120	150	150	150	150	x	x	x	x
150	180	180	180	180	170	130	x	x
180	200	200	200	190	170	130	110	x
250	232	232	220	190	160	130	110	90



Module location in a light box



Improper installation of a module may cause shading of the light box surface. Make sure that lens lines are at a right angle to the illuminated surface.