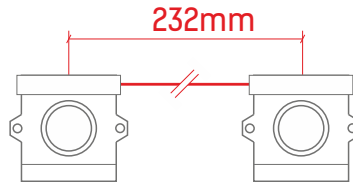
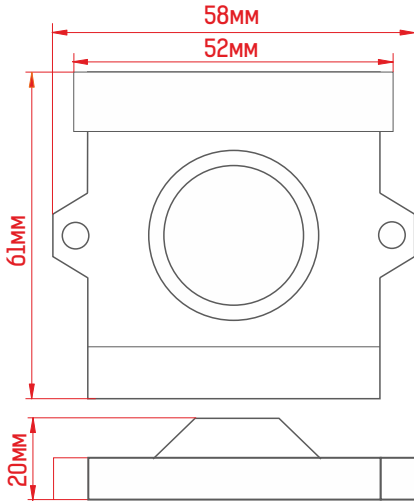


**5** WARRANTY <sup>\*</sup>  
**YEAR**

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

SPECIFICATION

MB-MSL-1W



Name	Color	Color temperature	Luminous flux	Angle of luminous flux	Voltage	Current consumption	Output	Dimensions	Protection class**
MB-MSL-1W		6500K	277 lm	10°40	12V	225mA	2,7W	61*58*20	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.

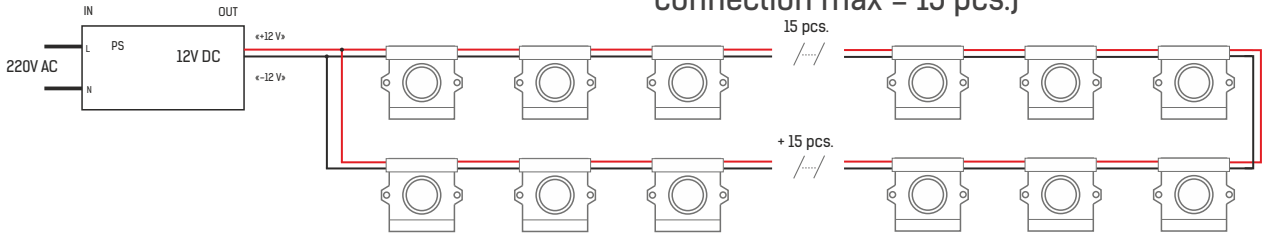
**ADVANTAGES:**

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, 30 pcs. (in case of a single-sided connection max = 15 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 / 5
LPV-35-12	1 / 11
MBPS-W-60-12	1 / 18
LPV-60-12	1 / 18
MBPS-W-100-12	1 / 30
CLG-150-12	1 / 40

## INSTALLATION EXAMPLE

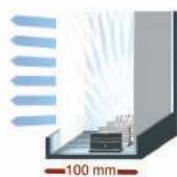
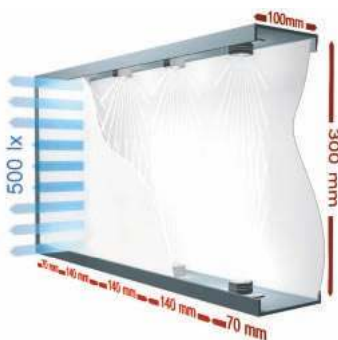
### DISTANCE BETWEEN MODULE CENTRES

#### Single-sided light box

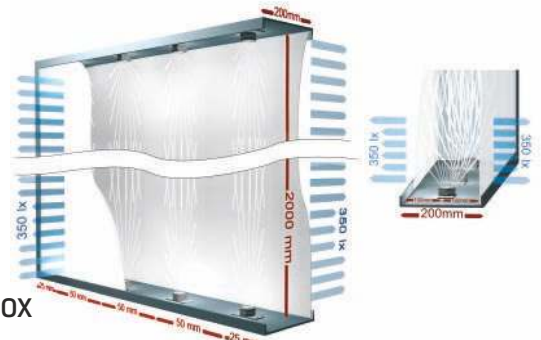
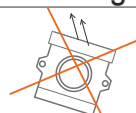
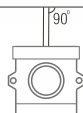
Height, mm \ Depth, mm	300	500	700	900	1100	1400	1700	2000
80	60	60	x	x	x	x	x	x
120	150	150	150	150	x	x	x	x
150	180	180	180	180	180	170	x	x
180	200	200	200	200	180	150	110	x
250	232	232	220	190	170	140	110	100

#### 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.