RGB

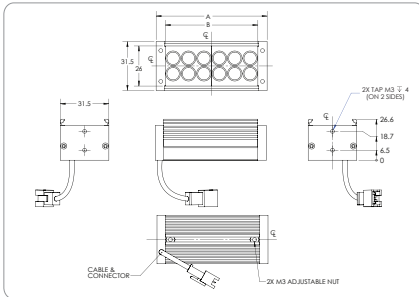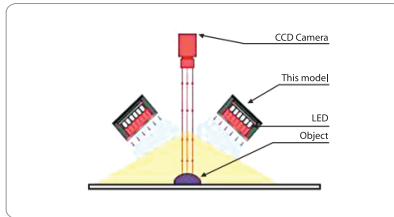## MLBX2 SERIES
SMD High Density, Rectangular Illumination
(Middle working distance)

2 Row Mid-Power SMD LED with lens arrays are arranged in rectangular array to provide rectangular illuminations. The rectangular illumination can be mounted with different angle to provide difference in illumination reflection for image processing.

Application: general illumination, label inspection, character inspection, code recognition.

CCD Camera
This model
LED
Object

Technical Specification:
- Color Red, Green, Blue, White and RGB
- 24V DC Input Power
- Continuous and Strobe Applications
- Compact Size
- Lighting Cable 500mm

Customize Lighting:
- Customize Sizes, Mounting requirements
- Color and Voltage Available
- Consult Technical Sales for More Information

LED Wavelength (OSRAM LED Light Technology)
- * Red Led is 620nm
- * Blue Led is 450nm
- * Green Led is 540nm

2X TAP M3 ▽ 4 (ON 2 SIDES)
CABLE & CONNECTOR
2X M3 ADJUSTABLE NUT

Model	Dimensions (MM)		Color	Voltage / Watt	Current	Weight (g)
	A	B				
*MLBX2-00-060-2-X	60.0	72.0	●●○	24V / 2.16W 24V / 1.92W	90mA 80mA	90
*MLBX2-00-090-2-X	90.0	102.0	●●○	24V / 3.24W 24V / 2.88W	135mA 120mA	120
*MLBX2-00-120-2-X	120.0	132.0	●●○	24V / 4.32W 24V / 3.84W	180mA 160mA	140
*MLBX2-00-150-2-X	150.0	162.0	●●○	24V / 5.40W 24V / 4.80W	225mA 200mA	170

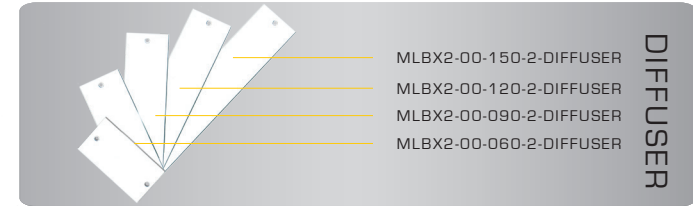| Model	Dimensions (MM)		Color	Voltage / Watt	Current	Weight (g)
	A	B				
MLBX2-00-060-2-RGB	60.0	72.0	●●●	24V / 1.20W 24V / 0.96W 24V / 0.96W	50mA 40mA 40mA	90
MLBX2-00-090-2-RGB	90.0	102.0	●●●	24V / 1.80W 24V / 1.44W 24V / 1.44W	75mA 60mA 60mA	120
MLBX2-00-120-2-RGB	120.0	132.0	●●●	24V / 2.40W 24V / 1.92W 24V / 1.92W	100mA 80mA 80mA	140
MLBX2-00-150-2-RGB	150.0	162.0	●●●	24V / 3.00W 24V / 2.40W 24V / 2.40W	125mA 100mA 100mA	170

Remarks: MLBX part numbers are changed to MLBX2
MLBX2 series can cascade (Single colour / RGB) able to customize to maximum length 1170mm.

MLBX2 Series – Available with Optional Items
Optional Diffuser

Diffuser can be added to MLBX2 Series for more even light distribution. Diffuser Help to reduce shine from glossy application and produce lighting softer, more beautiful and more shadow-free. It is also able to improve the evenness of lighting. The thickness of diffuser is 2mm.
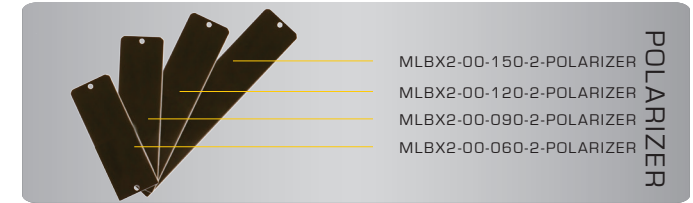

DIFFUSER

MLBX2-00-150-2-DIFFUSER
MLBX2-00-120-2-DIFFUSER
MLBX2-00-090-2-DIFFUSER
MLBX2-00-060-2-DIFFUSER

Optional Polarizer

Polarizer can be added. Polarizer ensure the maximum extinction of unwanted glare and absorbed harsh reflection to provide better performance. The thickness of polarizer is 0.8 mm.
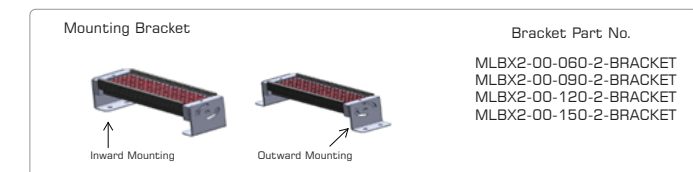

POLARIZER

MLBX2-00-150-2-POLARIZER
MLBX2-00-120-2-POLARIZER
MLBX2-00-090-2-POLARIZER
MLBX2-00-060-2-POLARIZER

Optional with Flexible Mounting Bracket

Mounting Bracket being designed with flexible mounting purpose either by inward mounting or outward mounting.
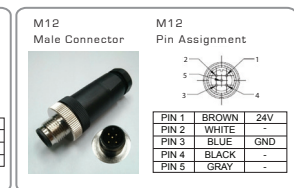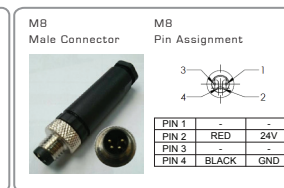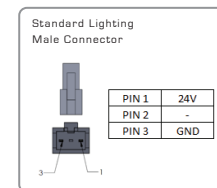
Mounting Bracket

Bracket Part No.

MLBX2-00-060-2-BRACKET
MLBX2-00-090-2-BRACKET
MLBX2-00-120-2-BRACKET
MLBX2-00-150-2-BRACKET

Inward Mounting   Outward Mounting

Optional Connector

Standard Lighting Male Connector

PIN 1	24V
PIN 2	-
PIN 3	GND

M8 Male Connector   M8 Pin Assignment

PIN 1	-	-
PIN 2	RED	24V
PIN 3	-	-
PIN 4	BLACK	GND

Product Part Numbering System :
MLBX2-00-060-2-X-24V-**M8**

M12 Male Connector   M12 Pin Assignment

PIN 1	BROWN	24V
PIN 2	WHITE	-
PIN 3	BLUE	GND
PIN 4	BLACK	-
PIN 5	GRAY	-

Product Part Numbering System :
MLBX2-00-060-2-X-24V-**M12**