

# Full color dot matrix unit

## LUM-115BBMU8B0

The LUM-115BBMU8B0 is a 24×48 dot matrix display which can be used in a wide range of applications such as video screens, graphic, alphabet, numeric and symbol with no color distribution.

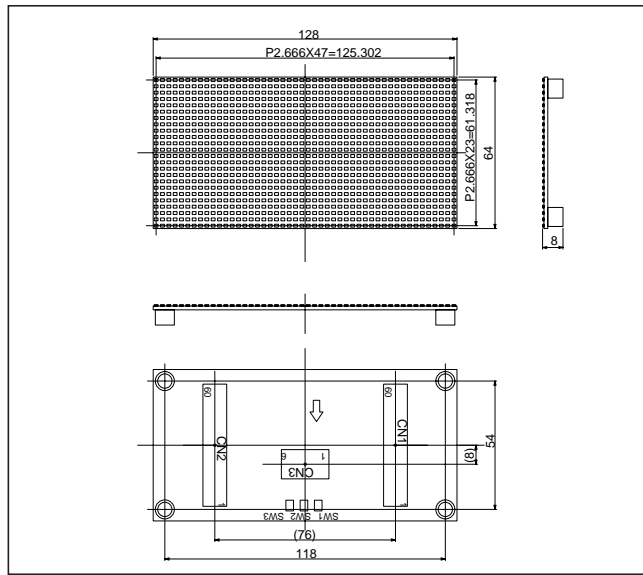
**●Applications**

- For information boards at stations, bus terminals and airports.
- For message board
- For graphic display

**●Features**

- 1) 24×48 dot matrix.  
Dot size : 1.0×0.6mm
- 2) Dimensions : 64mm×128mm
- 3) Built in color adjustment LSI enables full color display with no color distribution.
- 4) Over thousand million Colors at display is available by controlling 1,024 gray scale for each color.
- 5) 1 / 24 duty dynamic scan method.
- 6) Brightness adjustment circuit is built-in to adjust the whole panel brightness.

**●Dimensions (Unit : mm)**



**●Product specification**

Part No.	Emitting surface size (mm)	Display	Emitting color	Wavelength (nm)	Dot size (mm)	Dot pitch (mm)	Number of dots (mm)	Control		LED		Brightness (cd/m <sup>2</sup> )	Operating freq. (MHz)	Drive type
								V <sub>DD</sub> (V)	I <sub>cc1</sub> Max. (mA)	V <sub>LED</sub> (V)	I <sub>cc2</sub> Max. (A)			
LUM-115BBMU8B0	64×128	Chip LED	Red	(624)	1.0×0.6	2.7	24×48	5	350	5	2.5	330	10 (Max.)	1/24 duty (sift resistor type) External and Internal gray levels clock 1024 gray levels
			Green	(527)								890		
			Blue	(470)								180		

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