

# 16×32 dot matrix unit

## LUM-512HML350

The LUM-512HML350 is a 16×32 three colors dot matrix display which can be used in a wide range of applications, including alphabet, numeric, symbol and graphical displays. A large display can be easily created by arranging a number of these dot matrix displays in an array, and they can be applied to a variety of display purposes. A custom LSI controller has display data memory for two screens, and data for each screen can be written and displayed in turn.

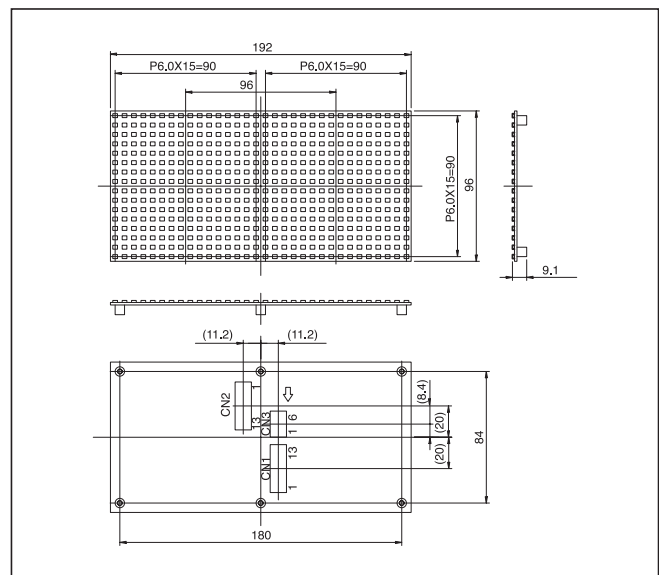
### ●Applications

Light source for displays

### ●Features

- 1) 16×32 dot matrix.  
Shape of emitting section : □2.1×2.3
- 2) Dimensions : 96mm×192mm
- 3) Clear display.
- 4) Three-color display is possible  
(red, green, and orange).
- 5) 1 / 16 duty dynamic scan method.
- 6) Ultra-thin shape of 9.1mm, light weight of 90g, and wide directional characteristics of 100 degrees.

### ●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 (dot)	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-512HML350	96 × 192	Chip LEDs	Red	660	2.1 × 2.3	6	16 × 32	5	20	5	4.3	100	20	1/16 duty (Memory type)
			Green	563								100		

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