

# LED Cluster Outdoor

*Part No. 08F11X16AR2G2*

## 11.30\*11.3mm 4\*4 BI-COLOR OUTDOOR LAMP CLUSTER

### ■ Features:

- Pixel size 11.3\*11.3mm
- Outdoor use
- High quality and low cost
- Low power requirement
- Bi-color –Super Red + Green
- Lamp FYL-5063LRC and FYL-5063LGC
- Easy assembly
- High reliable and intensity

### ■ Description

- 4\*4 dot matrix displays
- Pitch 15.3mm

### ■ Absolute Maximum Ratings at Ta=25 °C

Parameter	Symbol	Super red	Green		Unit
Forward Current	I <sub>F</sub>	25	30		mA
Power Dissipation	P <sub>d</sub>	60	80		mW
Reverse Voltage	V <sub>R</sub>	5	5		V
Peak Forward Current (Duty 1/10 @1KHZ)	I <sub>PF</sub>	150	150		mA
Operation Temperature	T <sub>OPR</sub>	-40 to +80			°C
Storage Temperature	T <sub>STG</sub>	-40 to +85			°C
Lead Soldering Temperature	T <sub>SOL</sub>	Max.260 ± 5 °C for 3 sec Max.			°C

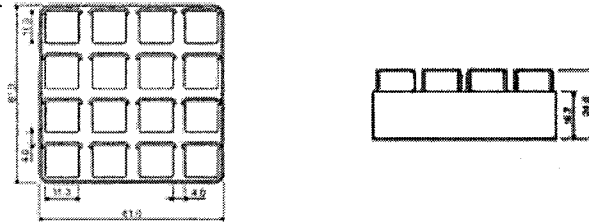
### ■ Electronic Optical Characteristics at Ta=25 °C

Items	Symbol	Color	Min.	Typ.	Max.	Unit	Condition
Forward Voltage	V <sub>F</sub>	Super red	-	3.70	4.40	V	I <sub>F</sub> =20mA
		Green	-	4.40	8.80		
Reverse Current	I <sub>R</sub>		-	-	20	uA	V <sub>R</sub> =5V
Peak Wavelength	λ <sub>P</sub>	Super red	-	660	-	nm	I <sub>F</sub> =20mA
		Green		570			
Spectrum Line Half width	Δλ	Super red	-	20	-	nm	I <sub>F</sub> =20mA
		Green		30			
Luminous Intensity	I <sub>V</sub>	Super red	-	400	-	cd/m <sup>2</sup>	I <sub>F</sub> =20mA/dot
		Green		250			

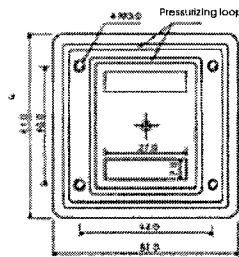
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## Internal circuit diagram

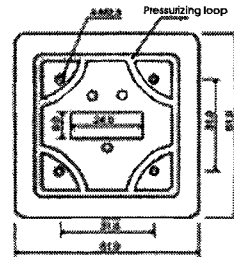
FYCL-S11X16A/B front



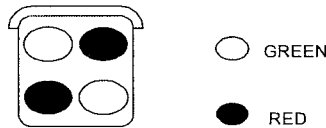
FYCL-S11X16A back



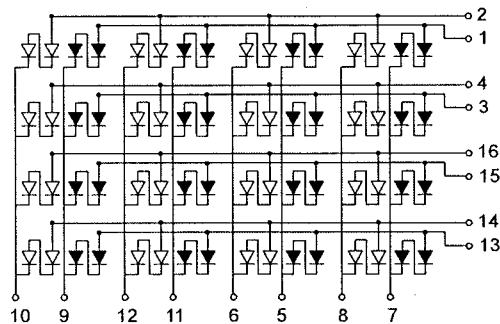
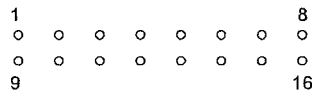
FYCL-S11X16B back



## Package dimensions



See Pin Number From Lamp Front Side



→ Red    ← Green