



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

**PART NO:** NFCL-S11X16BD2G2

**REV. NO:** 1.0

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<b>Features:</b>	
Pixel size 11.3*11.3mm	Bi-color –Super Red + Green
Outdoor use	Lamp NFL-5063LRC and NFL-5063LGC
High quality and low cost	Easy assembly
Low power requirement	High reliable and intensity
<b>Description</b>	
4*4 dot matrix displays	Pitch 15.3mm

**Absolute Maximum Ratings at Ta=25**

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>	100	100	mA
Operation Temperature	T <sub>OPR</sub>	-40 to +80		
Storage Temperature	T <sub>STG</sub>	-40 to +85		
Lead Soldering Temperature	T <sub>SOL</sub>	Max.260 ± 5 for 3 sec Max.		

**Electronic Optical Characteristics at Ta=25**

Items	Symbol	Color	Min.	Typ.	Max.	Unit	Condition
Forward Voltage	V <sub>F</sub>	Super red	-	3.60	4.40	V	I <sub>F</sub> =20mA
		Green	-	4.40	8.80		
Reverse Current	I <sub>R</sub>		-	-	10	uA	V <sub>R</sub> =5V
Peak Wavelength	P	Super red	-	660	-	nm	I <sub>F</sub> =20mA
		Green		570			
Spectrum Line Half width		Super red	-	20	-	nm	I <sub>F</sub> =20mA
		Green		30			
Luminous Intensity	I <sub>V</sub>	Super red	-	400	-	mcd	I <sub>F</sub> =20mA/dot
		Green		250			



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

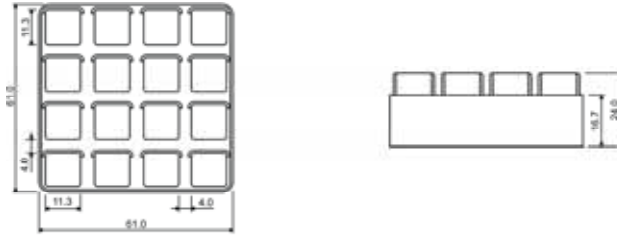
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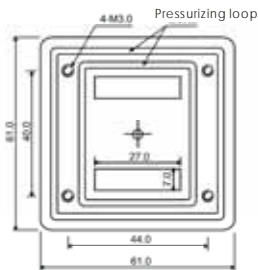
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Package dimensions

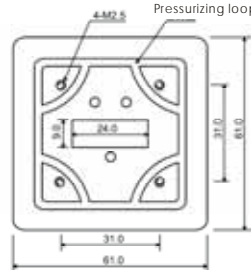
NFCL-S11X16A/B front



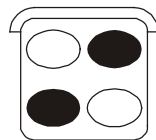
NFCL-S11X16A back



NFCL-S11X16B back



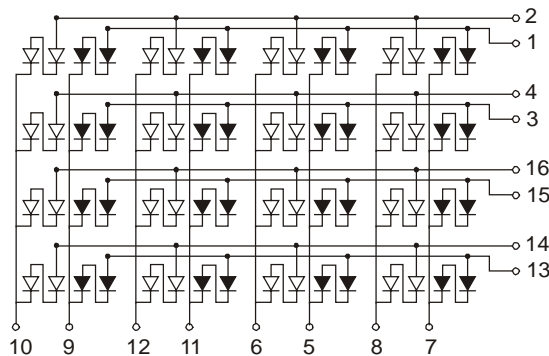
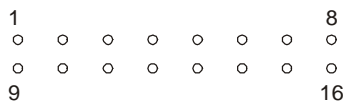
Internal circuit diagram



○ GREEN

● RED

See Pin Number From Lamp Front Side



→ Red      → Green