



NFCL-S12.5x64B Series Full Color Outdoor Lamp Cluster

Electro/Optical Characteristics If=20mA Ta=25°C

Part Number	Emitting Colors	Peak Wavelength	Forward Voltage VF/Dot		Luminous Intensity Iv/Dot		Viewing Angle
			Typ.	max.	min.	Typ.	2 θ 1/2
NFCL-S12.5x64BUE2PG1UB1	AlGaInP Ultra Orange	632	4.20	5.00		1200.0*128	45
	InGaN Pure Green	525	3.30	3.80		6000.0*64	45
	InGaN Ultra Blue	470	3.30	3.80		1000.0*64	45
Units		nm	V		mcd		degree

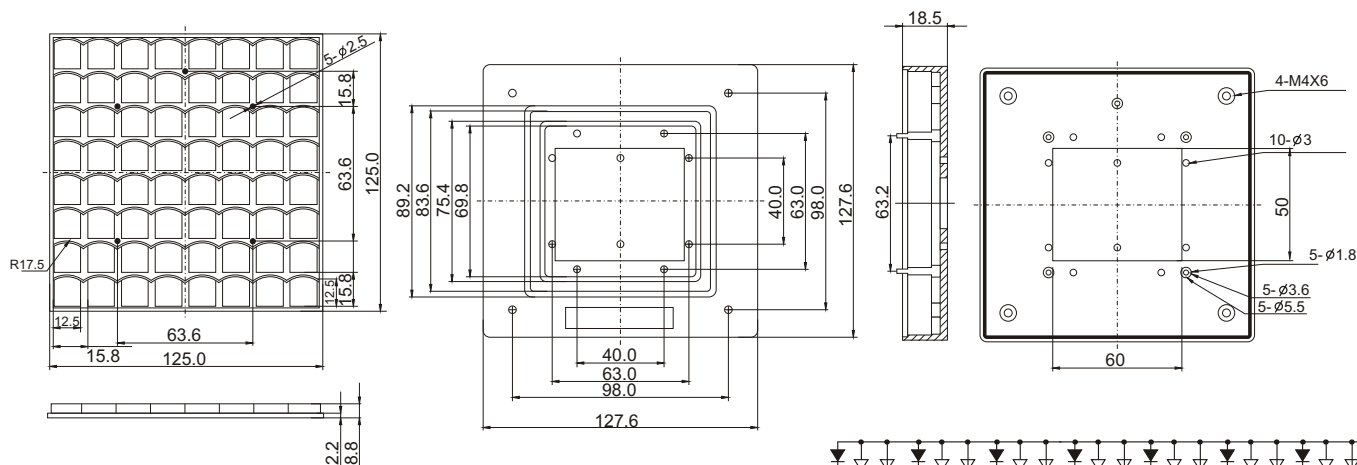
Maximum Ratings Ta=25°C (Derate above 25°C)

Characteristic	Test Condition	Symbol	Ultra Orange	Pure Green	Ultra Blue	Units
Pulse Forward Current Per Dot	0.1 duty cycle 0.1ms Pulse width	I _{FP}	100	100	100	mA
DC Forward Current Per Dot		I _F	30	30	30	mA
Reverse Current Per Dot	V _r =5V	I _R	10	10	10	μA
Power Dissipature		P _D	65*128	100*64	100*64	mW
Operating Temperature		T _{OPR}	-40 to +80			°C
Storage Temperature		T _{TSG}	-40 to +85			°C
Lead soldering temperature	1.60mm from body maximum 3 seconds		260			°C

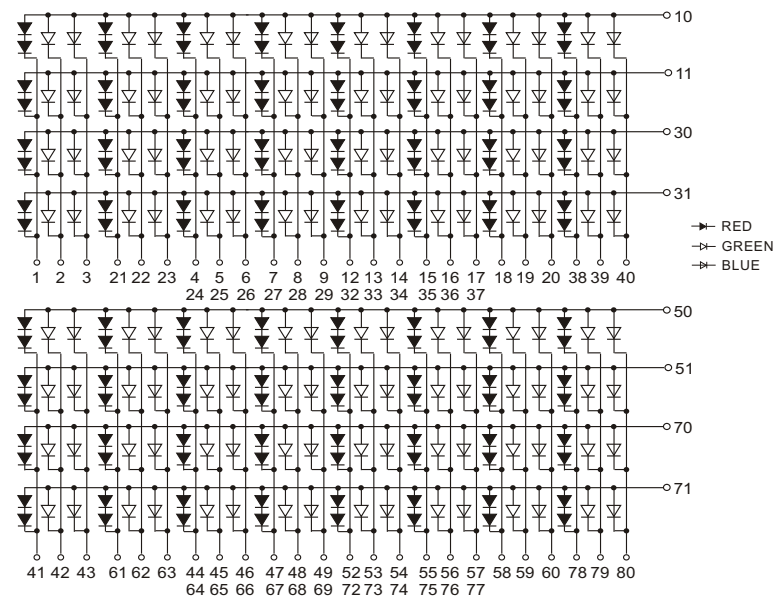
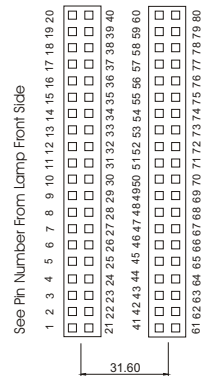
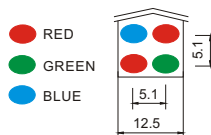


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PACKAGE DIMENSION



INTERNAL CIRCUIT DIAGRAM



Tolerance $\pm 0.25\text{mm}$ unless stated