

Features:

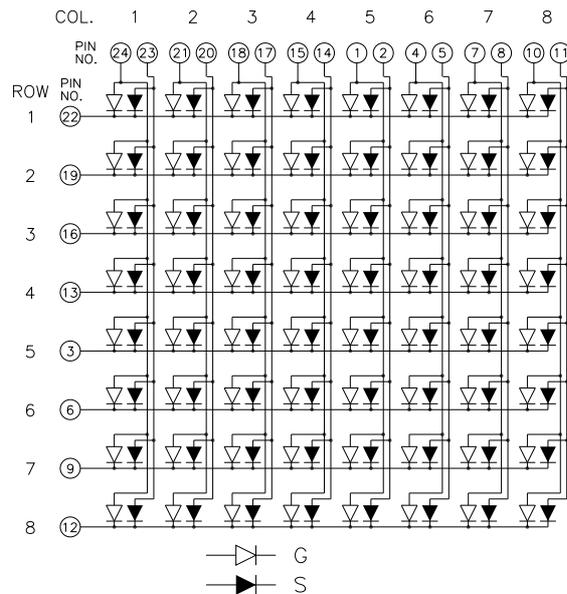
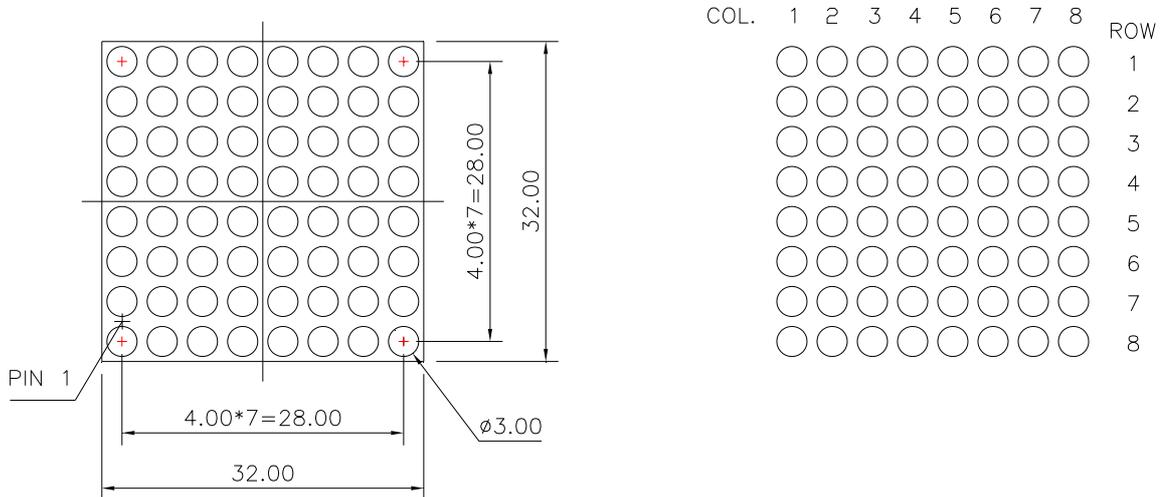
- Large emitting dot 3.0mm diameter.
- Low current operation.
- Easy mounting on P.C. boards or sockets.
- Wide viewing angle.
- Solid state reliability.
- Mechanically rugged.
- Pb free.
- RoHS compliant.

Descriptions:

- The NEM-1088xAxx series is a large emitting area (3.0mm diameter) LED sources configured in a 64 dot 8*8 matrix array.
- These devices are made with black surface and white segments.
- The Super Bright Red source color devices are made with AlGaInP Red Light Emitting Diode
The Green source color devices are made with AlGaInP Green Light Emitting Diode

Part No.: NEM-10881ASG-11

Package Dimensions & Internal Circuit Diagram



Notes:

1. All dimensions are in millimeters(inches),Tolerance is ± 0.25 (0.01") unless otherwise noted.
2. Specifications are subject to change without notice.

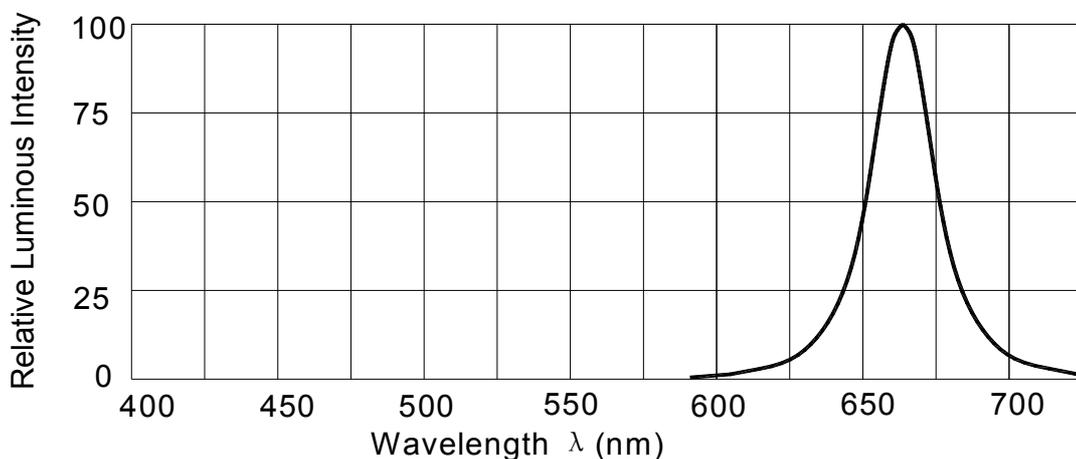
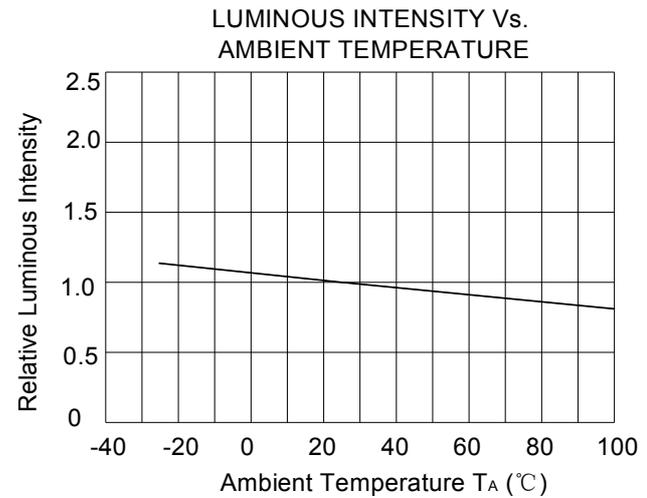
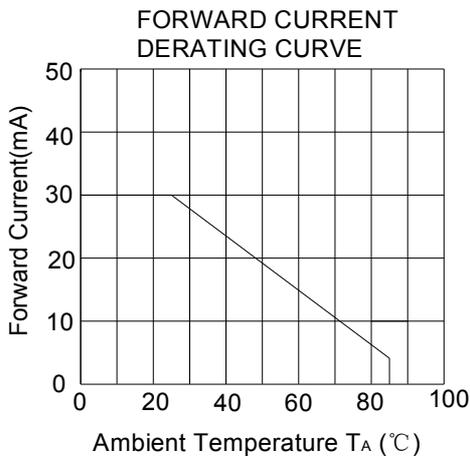
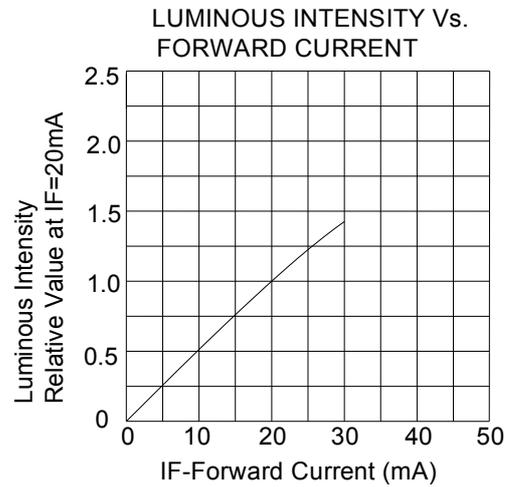
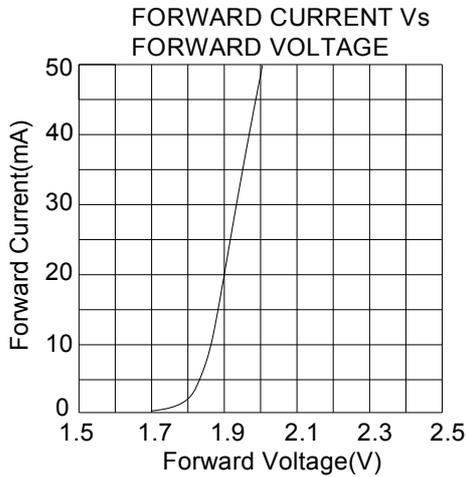
Absolute maximum ratings (Ta = 25°C)

Parameter	Symbol		Value		Unit
			Min.	Max.	
Reverse Voltage	VR	----	----	5	V
Forward Current	IF	----	----	25	mA
Power Dissipation	Pd	----	----	60	mW
Pulse Current	Ipeak	Duty=0.1mS, 1kHz	----	80	mA
Operating Temperature	Topr	----	-25	+85	°C
Storage Temperature	Tstr	----	-30	+85	°C
Solder Temperature	Tsol	1/16inch below Seating plane	260/3		°C/s

Electrical and optical characteristics (Ta = 25°C)

Parameter	Symbol	Color	Test Condition	Values			Unit
				Min.	Typ.	Max.	
Forward Voltage	VF	S	IF=20mA	----	2.0	2.4	V
		G		----	2.3	2.6	
Reverse Current	IR		VR=5V	----	----	30	μA
Dominate Wavelength	λd	S	IF=20mA	----	640	----	nm
		G		----	570	----	
Peak Wavelength	λp	S	IF=20mA	----	660	----	nm
		G		----	568	----	
Spectral Line half-width	Δλ	S	IF=20mA	----	20	----	nm
		G		----	30	----	
Luminous Intensity	Iv	S	IF=10mA	----	3500	----	ucd
		G		----	2500	----	

Typical electrical/optical characteristic curves:



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