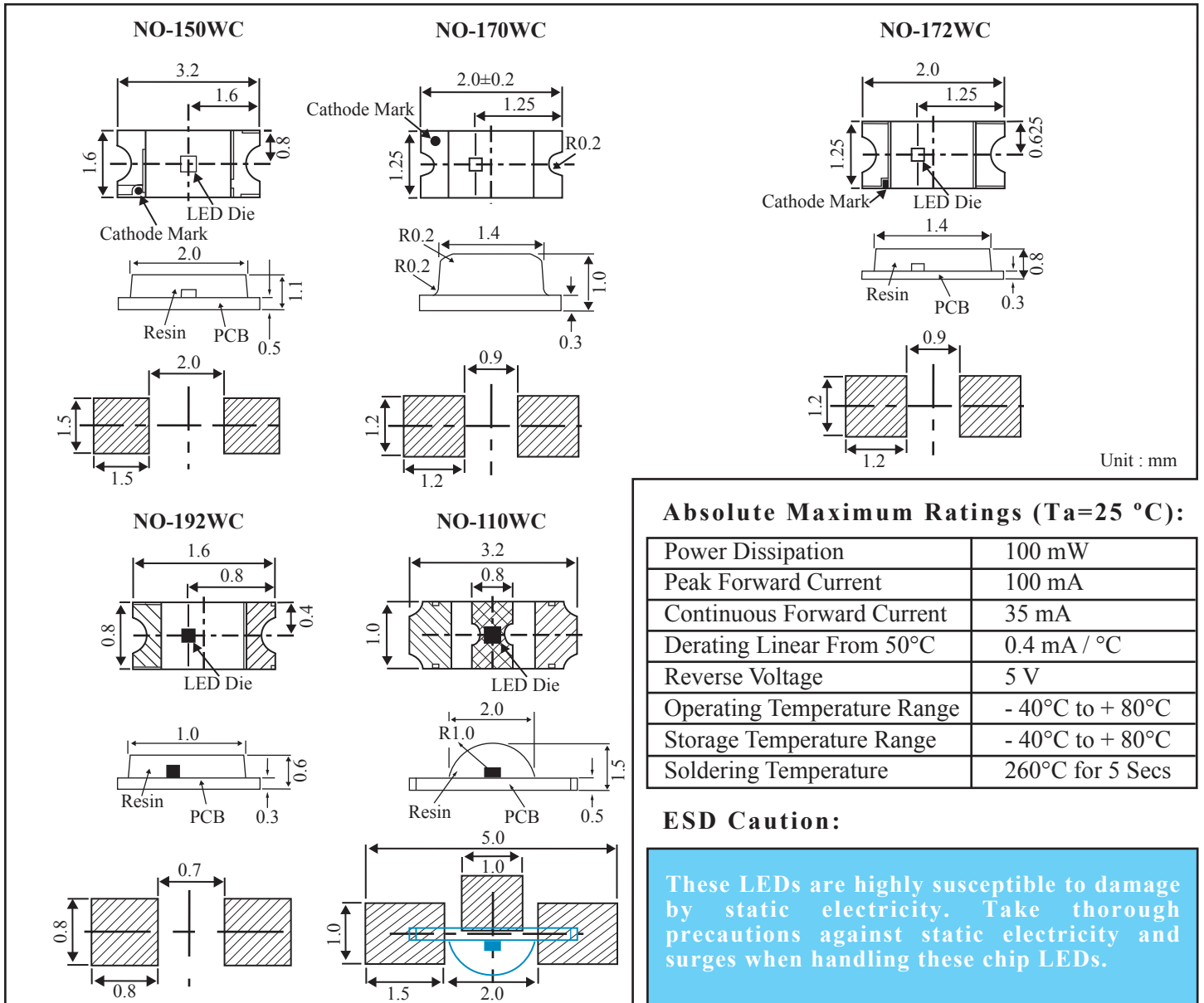


# Low Cost White LEDs

## Package Outline Dimensions & Recommended Adhesive Pattern:



### Absolute Maximum Ratings (Ta=25 °C):

Power Dissipation	100 mW
Peak Forward Current	100 mA
Continuous Forward Current	35 mA
Derating Linear From 50°C	0.4 mA / °C
Reverse Voltage	5 V
Operating Temperature Range	- 40°C to + 80°C
Storage Temperature Range	- 40°C to + 80°C
Soldering Temperature	260°C for 5 Secs

### ESD Caution:

These LEDs are highly susceptible to damage by static electricity. Take thorough precautions against static electricity and surges when handling these chip LEDs.

### Electro-Optical Characteristics (Ta=25 °C):

Part Number	Colour	Lens Colour	Chip Material	V <sub>F</sub>				Lumin Int (mcd)	Chromaticity Co-ordinates						View Angle (deg)	
				I <sub>F</sub> (mA)	min				max	x			y			
					(V)	typ	(V)			min	typ	max	min	typ		max
NO-150WC	White	Water Clear	GaInN	20	2.8	3.6	4.0	400	0.20	0.27	0.34	0.20	0.27	0.35	140	
NO-170WC	White	Water Clear	InGaN/SiC	20	2.8	3.6	4.0	60	0.20	0.27	0.34	0.20	0.27	0.35	140	
NO-172WC	White	Water Clear	GaInN	20	2.8	3.6	4.0	120	0.20	0.27	0.34	0.20	0.27	0.35	140	
NO-192WC	White	Water Clear	GaInN	20	2.8	3.6	4.0	200	0.20	0.27	0.34	0.20	0.27	0.35	140	
NO-110WC	White	Water Clear	GaInN	20	2.8	3.6	4.0	200	0.20	0.27	0.34	0.20	0.27	0.35	140	

**nicomatic**  
ELECTRONIC COMPONENTS

Unit 8, Campus Five, Third Avenue, Letchworth, Hertfordshire SG6 2JF England

Tel: +44(0)1462 677886 Fax: +44(0)1462 677499

email: sales@nicomatic.co.uk http://www.nicomatic.co.uk