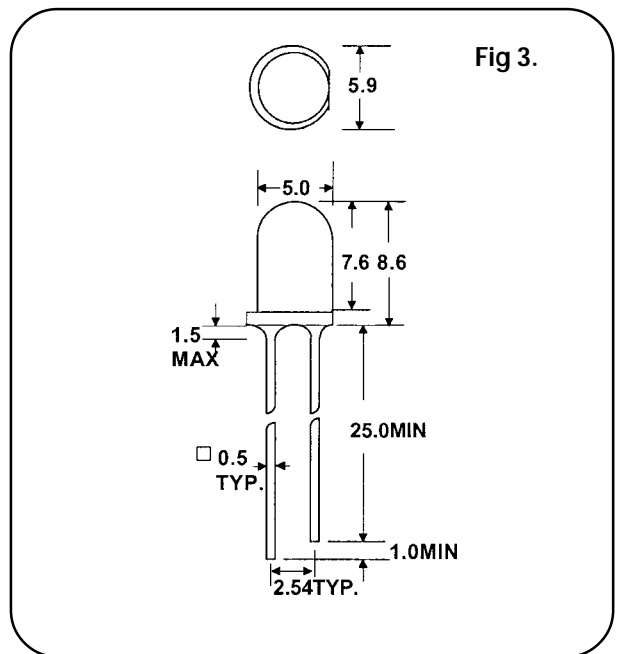
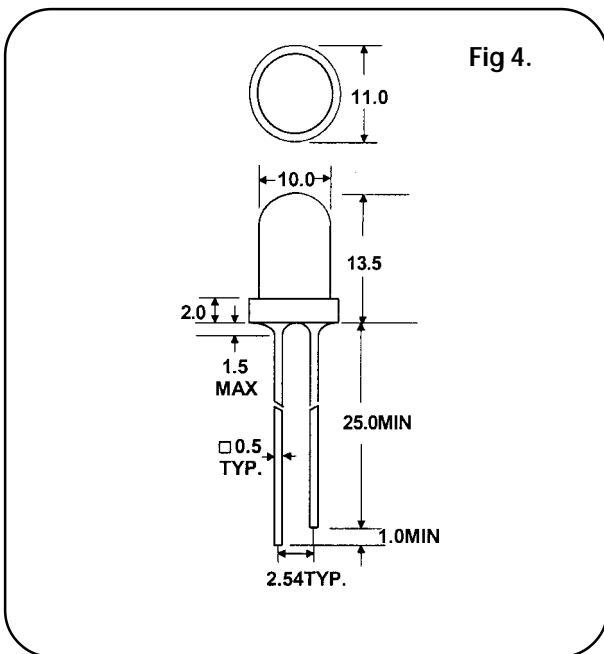
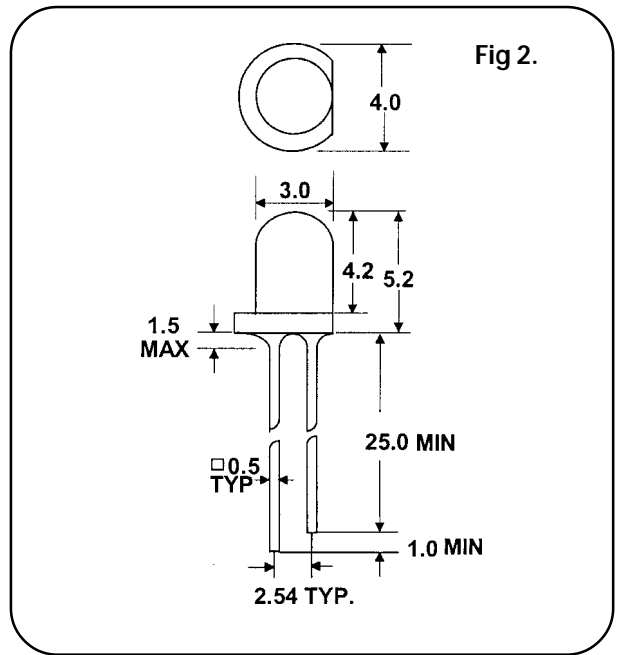
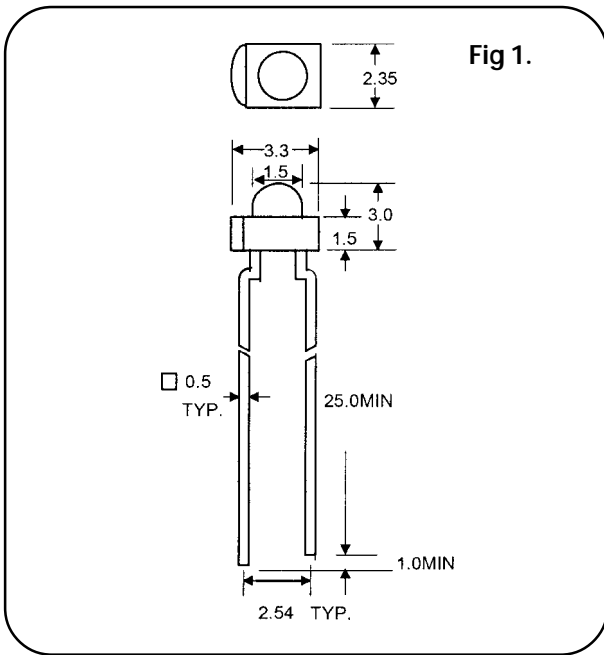


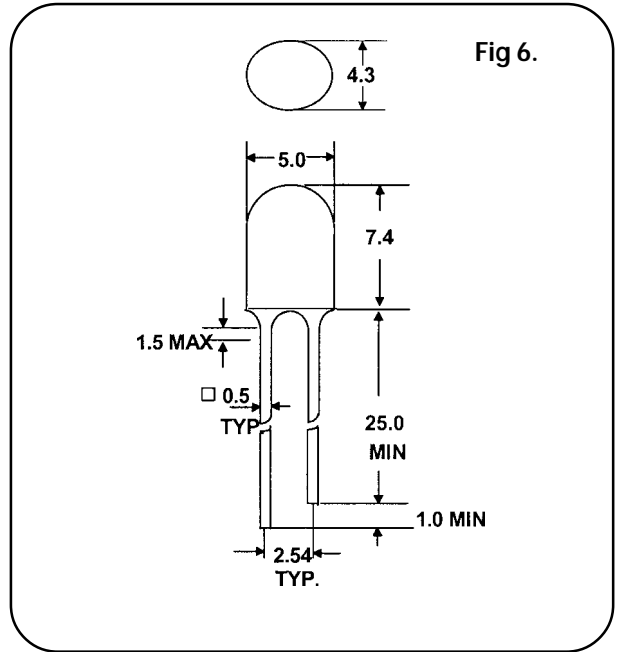
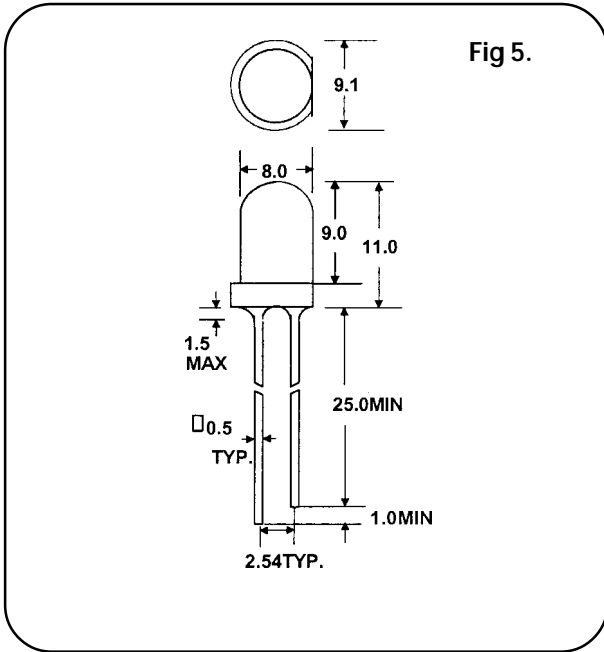
Our range of White LED lamps has been further expanded to include new package options.

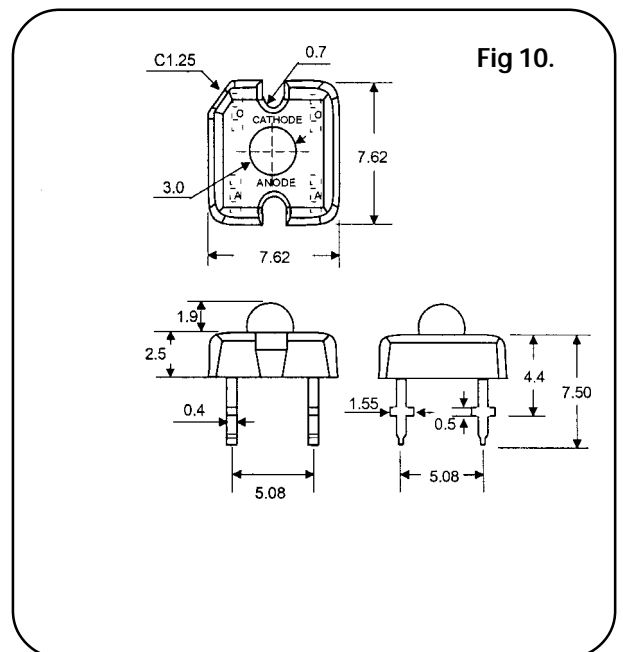
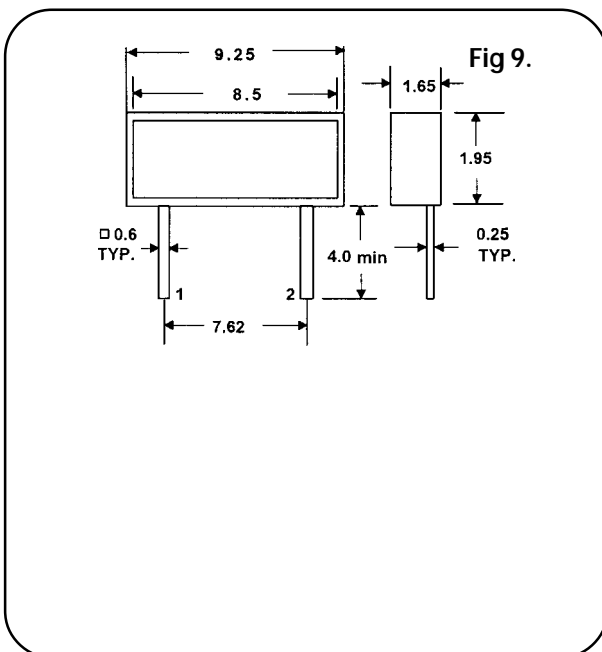
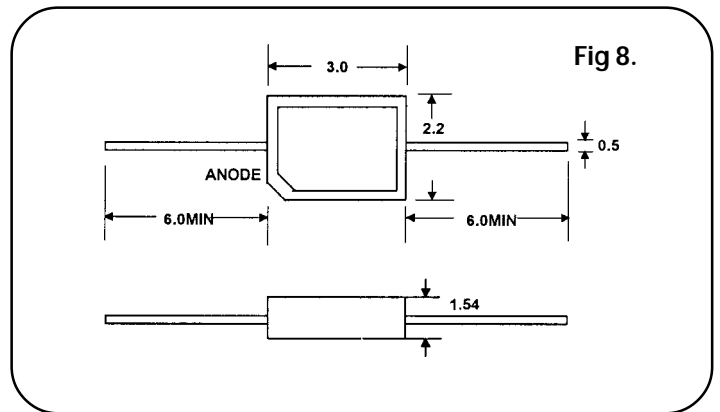
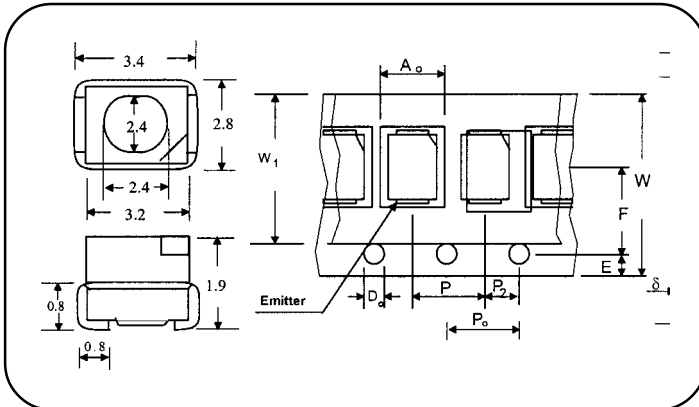
A selection of the popular types is shown below. The table gives an example of typical figures that are constantly being updated and improved.

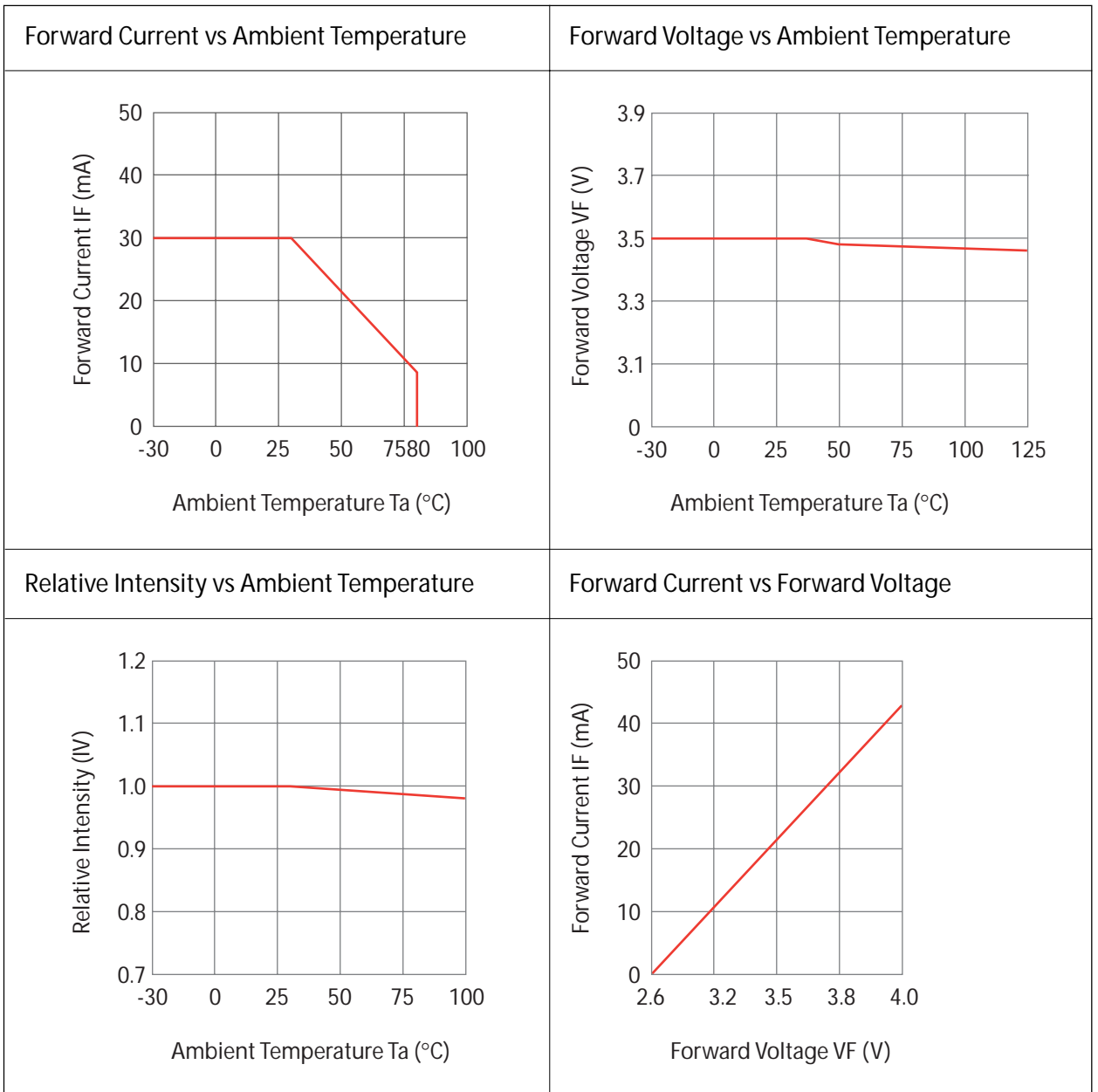
Part No.	Package	Drg. Fig	Lens	Intensity Iv typ mcd@20mA	Vf typ @20mA	Viewing Angle 2 ^{1/2} θ
LWK11243	1.8mm	1	Clear	400	3.6	40
LWK2043	3mm	2	Clear	2200	3.6	30
LWK2042	3mm	2	Diffused	600	3.6	40
LWK3333	5mm	3	Clear	3000	3.6	16
LWK3330	5mm	3	Diffused	400	3.6	60
LWK3333-50	5mm	3	Clear	900	3.6	50
LWK3933	8mm	4	Clear	1500	3.6	20
LWK3633	10mm	5	Clear	1500	3.6	20
LWK13433	Oval	6	Clear	2000	3.6	70/35
LWK9553	S.M	7	Clear	2500	3.6	20
LWK9353	Axial	8	Clear	160	3.6	100
LWK9253-1	Side Look	9	Clear	160	3.6	100
LWK9653	Super Flux	10	Clear	600	3.6	70
LG176CW	Chip LED		Clear	50	3.5	120

In addition we offer White LED's packaged in custom arrays for customer specific applications.



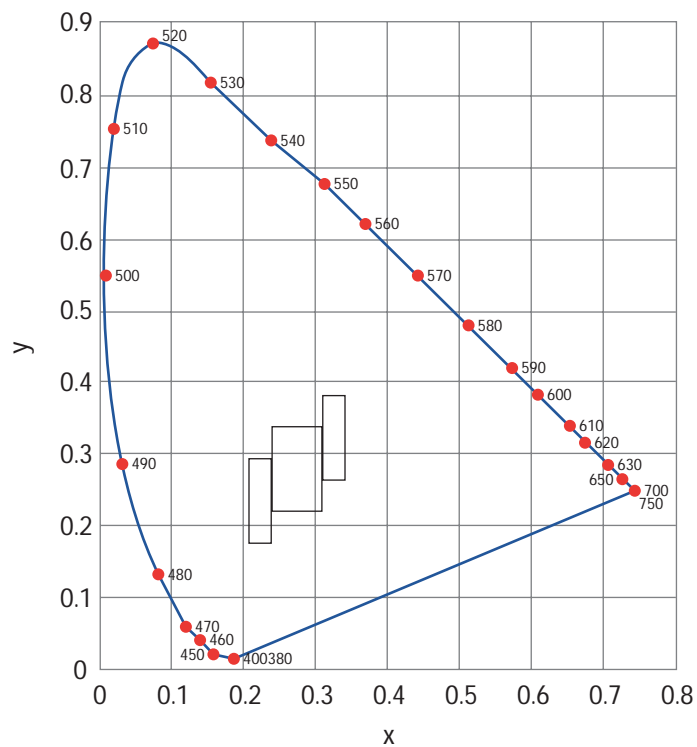


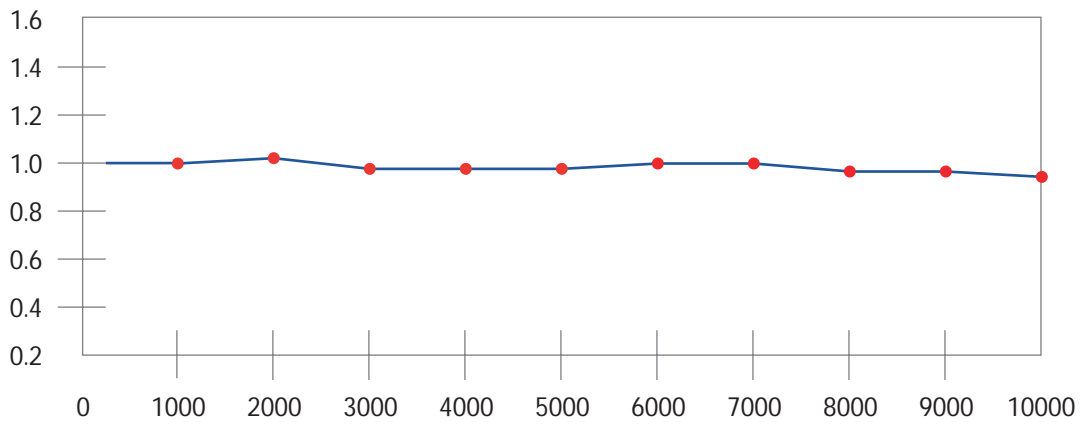




Rank	Chromaticity Coordinates		Rank	Chromaticity Coordinates		Rank	Chromaticity Coordinates	
A	$X=0.23 \pm 0.02$	$Y=0.23 \pm 0.06$	B	$X=0.28 \pm 0.03$	$Y=0.28 \pm 0.06$	C	$X=0.33 \pm 0.02$	$Y=0.33 \pm 0.06$
A-1	$X=0.23 \pm 0.02$	$Y=0.2 \pm 0.03$	B-1	$X=0.28 \pm 0.03$	$Y=0.24 \pm 0.015$	C-1	$X=0.33 \pm 0.02$	$Y=0.33 \pm 0.03$
A-2	$X=0.23 \pm 0.02$	$Y=0.26 \pm 0.03$	B-2	$X=0.28 \pm 0.03$	$Y=0.28 \pm 0.015$	C-2	$X=0.33 \pm 0.02$	$Y=0.36 \pm 0.03$
			B-3	$X=0.28 \pm 0.03$	$Y=0.28 \pm 0.015$			
			B-4	$X=0.28 \pm 0.03$	$Y=0.28 \pm 0.015$			

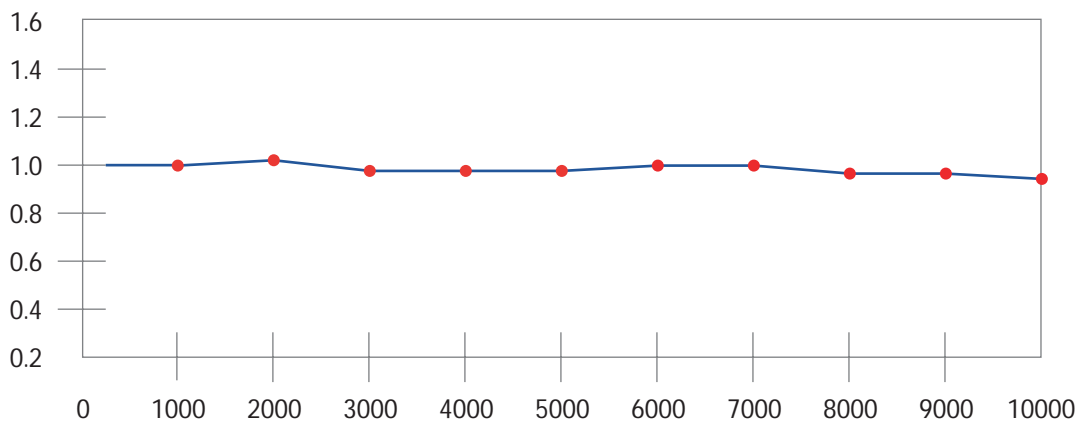
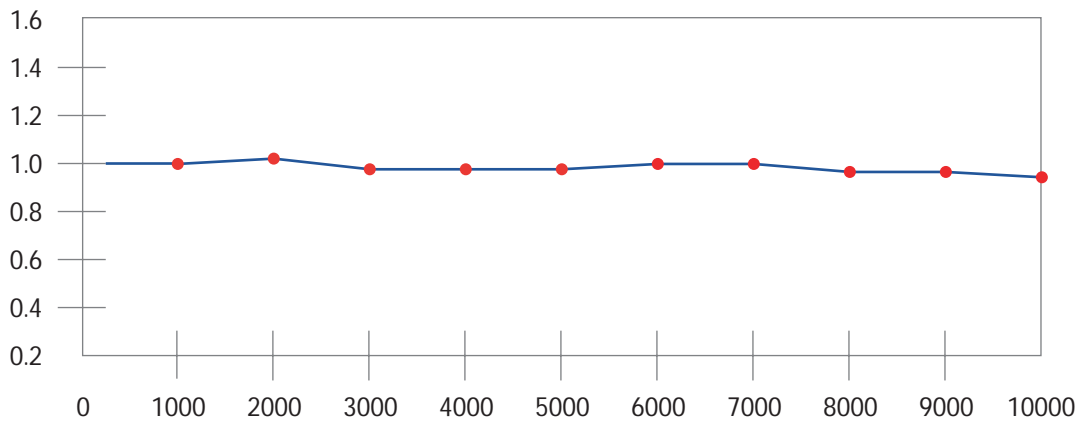
CIE Chromaticity Diagram





Test Condition : Ta = 25°C, If = 20mA

CIE 1931 (X,Y) Chromaticity Coordinates (Life Time Test)



Measuring Condition: Ta = 25°C