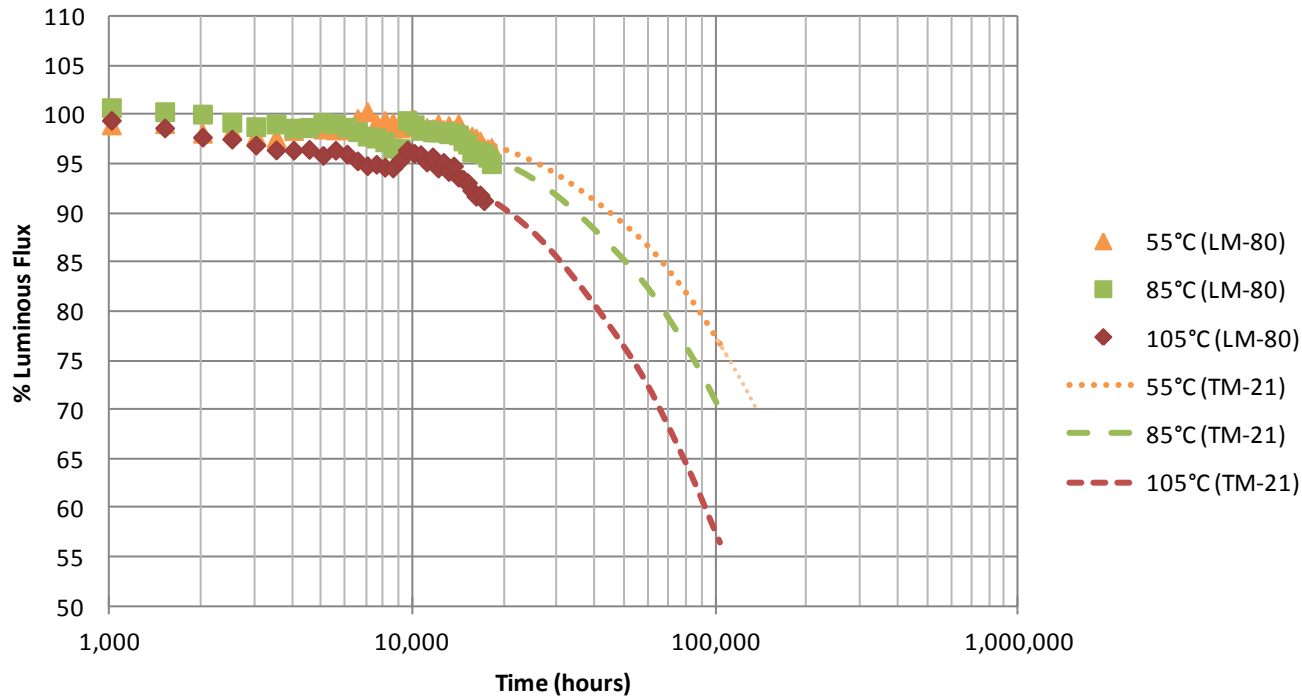




XLAMP XT-E WHITE LONG TERM TESTING SUMMARY

September 24, 2014

XLamp XT-E White Lifetime (TM-21)

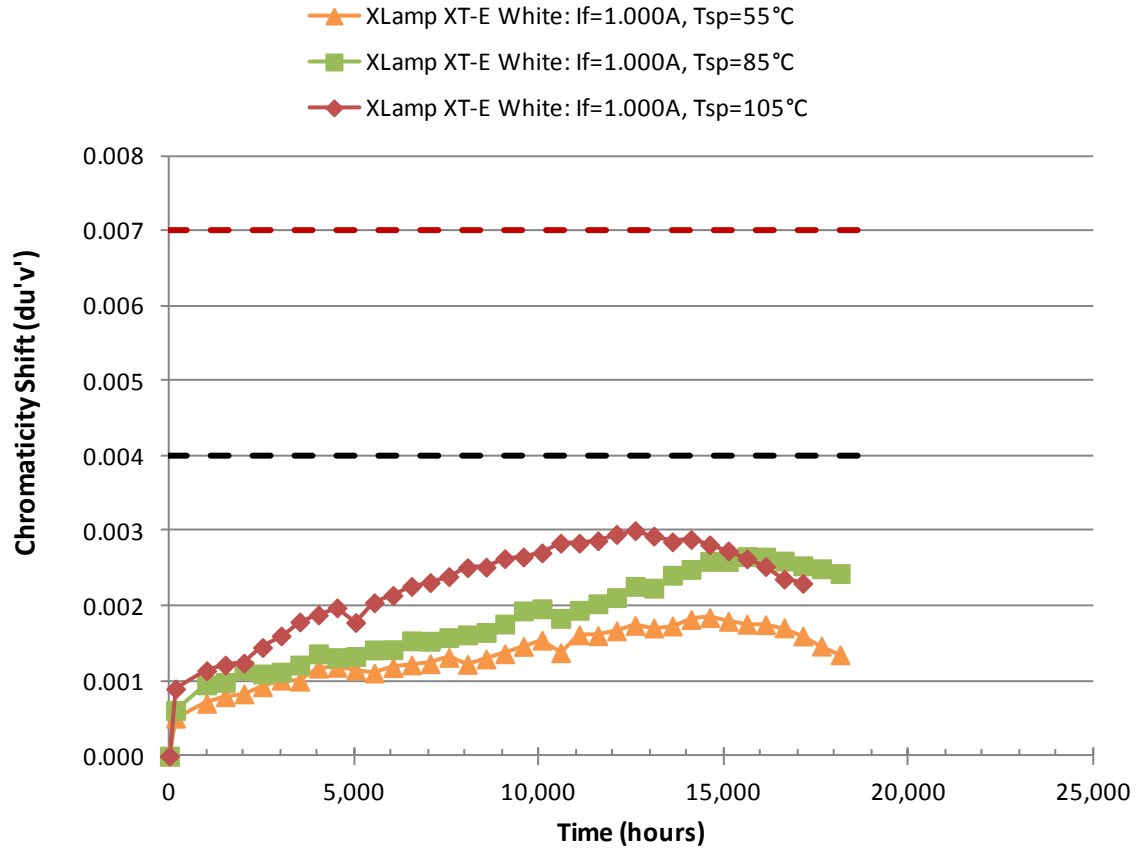


Current	Ta/Tsp	Test Duration	α	β	Calculated L70	Reported Lifetime (Hours)		
						L90	L80	L70
1000 mA	55°C	18,144 hrs	2.745E-06	1.020	137,000 hrs	45,600	88,500	>99,800
	85°C	18,144 hrs	3.660E-06	1.025	104,000 hrs	35,500	67,700	104,000
	105°C	17,136 hrs	5.688E-06	1.014	65,200 hrs	21,000	41,700	65,200

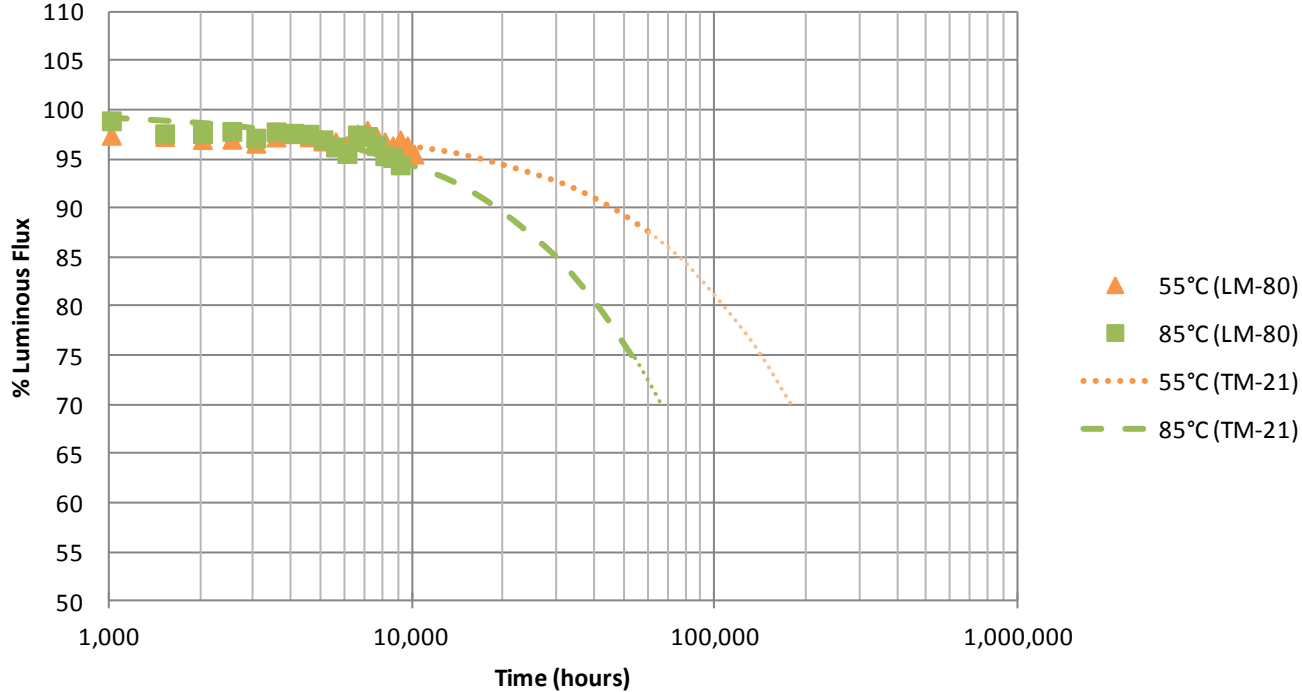
Notes:

- These extrapolations are for informational purposes only and are not a warranty or a specification.
- Extrapolated lifetimes are subject to change without notice.

XLamp XT-E White Color Shift



XLamp XT-E White Lifetime (TM-21)



Current	Ta/Tsp	Test Duration	α	β	Calculated L70	Reported Lifetime (Hours)		
						L90	L80	L70
1250 mA	55°C	10,080 hrs	1.885E-06	0.9817	179,000 hrs	46,100	>60,500	>60,500
	85°C	9,072 hrs	5.337E-06	0.9977	66,400 hrs	19,300	41,400	>54,400

Notes:

- These extrapolations are for informational purposes only and are not a warranty or a specification.
- Extrapolated lifetimes are subject to change without notice.

XLamp XT-E White Color Shift

