

XLAMP® XM-L2 WHITE LEDS (REV 3B)

Revision: 3B (March 23, 2015)

Description Of LED Light Sources

XLamp XM-L2 White LEDs (Series: XMLBWT)

This LM-80 report is applicable to the following order codes:

XMLBWT-xx-xxxx-xxxxxxxxxx

No failures occurred during testing.

Test Summary

Data Set	Case Temp. [T _s]	Ambient Temp. [T _A]	Drive Current [I _F]	ANSI CCT Target	Sample Count	Test Duration	Reported TM-21 Lifetimes
1	85 °C	85 °C	1500 mA	2700 K	25	7,560 hrs	L95(8k) > 45,400 hrs L90(8k) > 45,400 hrs L80(8k) > 45,400 hrs L70(8k) > 45,400 hrs
1+	85 °C	85 °C	1500 mA	2700 K	23	12,096 hrs	L95(12k) = 30,100 hrs L90(12k) = 60,900 hrs L80(12k) > 72,600 hrs L70(12k) > 72,600 hrs
2	105 °C	105 °C	1500 mA	2700 K	25	8,568 hrs	L95(9k) = 19,600 hrs L90(9k) = 43,900 hrs L80(9k) > 51,400 hrs L70(9k) > 51,400 hrs
8	55 °C	55 °C	2100 mA	2700 K	25	9,072 hrs	L95(9k) > 54,400 hrs L90(9k) > 54,400 hrs L80(9k) > 54,400 hrs L70(9k) > 54,400 hrs
8+	55 °C	55 °C	2100 mA	2700 K	17	12,096 hrs	L95(12k) > 66,500 hrs L90(12k) > 66,500 hrs L80(12k) > 66,500 hrs L70(12k) > 66,500 hrs
10	105 °C	105 °C	2100 mA	3000 K	25	6,048 hrs	L95(6k) = 14,900 hrs L90(6k) > 36,600 hrs L80(6k) > 36,300 hrs L70(6k) > 36,300 hrs
9	55 °C	55 °C	3000 mA	2700 K	25	6,048 hrs	L95(6k) = 16,800 hrs L90(6k) = 35,600 hrs L80(6k) > 36,300 hrs L70(6k) > 36,300 hrs
11	85 °C	85 °C	3000 mA	3000 K	25	6,048 hrs	L95(6k) = 7,950 hrs L90(6k) = 17,100 hrs L80(6k) > 36,300 hrs L70(6k) > 36,300 hrs