

## XLAMP® XP-G3 WHITE LEDS (REV 10)

Revision: 10 (October 18, 2018)

### Description Of LED Light Sources

XLamp XP-G3 White LEDs (Series: XPGDWT)

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

XPGDWT-x1-xxxx-xxxxx

XPGDWT-x3-xxxx-xxxxx

No failures occurred during testing.

### Test Summary

Data Set	Case Temp. [T <sub>s</sub> ]	Ambient Temp. [T <sub>a</sub> ]	Drive Current [I <sub>F</sub> ]	ANSI CCT Target	Sample Count	Test Duration	Reported TM-21 Lifetimes
3	85 °C	85 °C	350 mA	3000 K	25	15,120 hrs	L90(15k) > 90,700hrs L80(15k) > 90,700hrs L70(15k) > 90,700hrs
4	105 °C	105 °C	350 mA	3000 K	25	15,120 hrs	L90(15k) > 90,700hrs L80(15k) > 90,700hrs L70(15k) > 90,700hrs
5	120 °C	120 °C	350 mA	3000 K	25	8,568 hrs	L90(9k) > 51,400 hrs L80(9k) > 51,400 hrs L70(9k) > 51,400 hrs
6	85 °C	85 °C	700 mA	3000 K	25	19,656 hrs	L90(20k) > 118,000hrs L80(20k) > 118,000hrs L70(20k) > 118,000hrs
7	105 °C	105 °C	700 mA	3000 K	25	15,120 hrs	L90(15k) > 90,700hrs L80(15k) > 90,700hrs L70(15k) > 90,700hrs
8	120 °C	120 °C	700 mA	3000 K	25	8,568 hrs	L90(9k) = 39,600 hrs L80(9k) > 51,400 hrs L70(9k) > 51,400 hrs
9	85 °C	85 °C	1050 mA	3000 K	25	14,112 hrs	L90(14k) > 84,700 hrs L80(14k) > 84,700 hrs L70(14k) > 84,700 hrs
15	105 °C	105 °C	1050 mA	3000 K	25	12,096 hrs	L90(12k) > 72,600hrs L80(12k) > 72,600hrs L70(12k) > 72,600hrs
10	105 °C	105 °C	1050 mA	4000 K	20	11,592 hrs	L90(12k) = 36,700 hrs L80(12k) > 69,600 hrs L70(12k) > 69,600 hrs
11	85 °C	85 °C	1500 mA	3000 K	25	17,136 hrs	L90(17k) > 103,000 hrs L80(17k) > 103,000 hrs L70(17k) > 103,000 hrs
14	105 °C	105 °C	1500 mA	3000 K	23	10,080 hrs	L90(10k) = 27,900 hrs L80(10k) > 60,500 hrs L70(10k) > 60,500 hrs

