

FLUX CHARACTERISTICS (T_J = 25 °C)

The following table provides several base order codes for XLamp XM-L LEDs. It is important to note that the base order codes listed here are a subset of the total available order codes for the product family. For more order codes, as well as a complete description of the order-code nomenclature, please consult the XLamp XM-L LED Binning and Labeling document.

Color	CCT Range		Minimum Luminous Flux @ 700 mA		Calculated Minimum Luminous Flux (lm)*			Order Code
	Min.	Max.	Group	Flux (lm)	1000 mA	1500 mA	2000 mA	
Cool White	5000 K	8300 K	T5	260	360	511	643	XMLAWT-00-0000-0000T5051
			T6	280	388	551	692	XMLAWT-00-0000-0000T6051
			U2	300	416	590	742	XMLAWT-00-0000-0000U2051
Neutral White	3700 K	5000 K	T4	240	332	472	593	XMLAWT-00-0000-000LT40E4
			T5	260	360	511	643	XMLAWT-00-0000-000LT50E4
80-CRI White	2600 K	4300 K	T2	200	277	393	494	XMLAWT-00-0000-000HT20E7
			T3	220	305	433	544	XMLAWT-00-0000-000HT30F7
Warm White	2600 K	3700 K	T2	200	277	393	494	XMLAWT-00-0000-000LT20E7
			T3	220	305	433	544	XMLAWT-00-0000-000LT30F7
85-CRI White	2600 K	3200 K	S4	164	227	323	406	XMLAWT-00-0000-000PS40E7
			S5	172	238	338	425	XMLAWT-00-0000-000PS50E7
			S6	182	252	358	450	XMLAWT-00-0000-000PS60E7
90-CRI White	2600 K	3200 K	S4	164	227	323	406	XMLAWT-00-0000-000US40E7
			S5	172	238	338	425	XMLAWT-00-0000-000US50E7
			S6	182	252	358	450	XMLAWT-00-0000-000US60E7

Notes:

- Cree maintains a tolerance of ±7% on flux and power measurements, ±0.005 on chromaticity (CCx, CCy) measurements and ±2 on CRI measurements. See the Measurements section (page 10).
- Typical CRI for Cool White (5000 K – 8300 K CCT) is 65.
- Typical CRI for Neutral White (3700 K – 5000 K CCT) is 75.
- Typical CRI for Warm White (2600 K – 3700 K CCT) is 80.
- Minimum CRI for 80-CRI White is 80.
- Minimum CRI for 85-CRI White is 85.
- Minimum CRI for 90-CRI White is 90
- * Calculated flux values are for reference only.