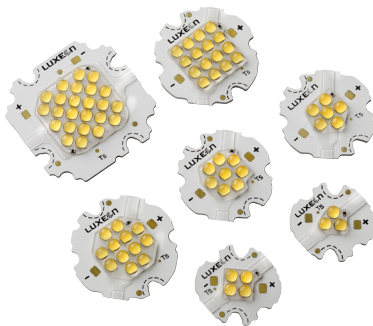


# LUXEON K

Plug and play matrix platform solution with precise flux,  $V_f$  and color



LUXEON K is a small bolt-down package that enables simple assembly in space constrained systems. With *Freedom from Binning*, every LUXEON K white product falls within a single 3-step MacAdam ellipse positioned around the center point of the ANSI nominal CCT bins to deliver tight CCT control to ensure consistency in system color point. In addition, these parts deliver the lumen maintenance and reliability that all LUXEON LEDs are renowned for.

## FEATURES AND BENEFITS

- 300–5000 lumen packages for a range of options
- 3-step MacAdam ellipse color binning for exceptional lamp to lamp consistency
- L2 design for a reduction in design costs
- Full range of CCTs and CRIs including Royal Blue
- LM-80 test report available

## PRIMARY APPLICATIONS

- Downlights
- Lamps

LUXEON K product performance at 350mA, T<sub>j</sub>=85°C.

EMITTER COUNT	NOMINAL CCT [2]	MINIMUM CRI	LUMINOUS FLUX <sup>[1]</sup> (lm)		PART NUMBER	
			MINIMUM	TYPICAL		
3	2700	80	270	285	LXK8-PW27-0403	
	3000	80	270	285	LXK8-PW30-0403	
	4000	80	310	325	LXK8-PW40-0403	
4	2700	80	310	375	LXK8-PW27-0004	
	2700	80	340	355	LXK8-PW27-0404	
	2700	80	360	400	LXK8-PW27-0004A	
	2700	90	300	315	LXK9-PW27-0004	
	3000	80	330	430	LXK8-PW30-0004	
	3000	80	355	375	LXK8-PW30-0404	
	3000	80	380	460	LXK8-PW30-0004A	
	3000	90	320	380	LXK9-PW30-0004	
	3500	80	400	470	LXK8-PW35-0004	
	4000	80	380	480	LXK8-PW40-0004	
	4000	80	410	430	LXK8-PW40-0404	
	4000	80	420	505	LXK8-PW40-0004A	
	5000	80	440	530	LXK8-PW50-0004	
	6	2700	80	530	600	LXK8-PW27-0206
3000		80	540	620	LXK8-PW30-0206	
4000		80	625	740	LXK8-PW40-0206	
5000		80	670	735	LXK8-PW50-0206	
8	2700	80	680	775	LXK8-PW27-0008	
	2700	80	730	765	LXK8-PW27-0008A	
	2700	90	610	640	LXK9-PW27-0008	
	3000	70	1020	1070	LXK7-PW30-0008	
	3000	80	730	855	LXK8-PW30-0008	
	3000	80	760	920	LXK8-PW30-0008A	
	3000	90	660	735	LXK9-PW30-0008	
	3500	80	820	920	LXK8-PW35-0008	
	4000	70	1020	1070	LXK7-PW40-0008	
	4000	80	780	950	LXK8-PW40-0008	
	4000	80	820	1000	LXK8-PW40-0008A	
	5000	80	890	1075	LXK8-PW50-0008	
	12	2700	80	990	1165	LXK8-PW27-0012
		2700	80	1100	1150	LXK8-PW27-0012A
2700		90	940	985	LXK9-PW27-0012	
3000		70	1490	1565	LXK7-PW30-0012	
3000		80	1070	1280	LXK8-PW30-0012	
3000		80	1140	1375	LXK8-PW30-0012A	
3000		90	1010	1100	LXK9-PW30-0012	
3500		80	1200	1360	LXK8-PW35-0012	
4000		70	1560	1635	LXK7-PW40-0012	
4000		80	1120	1430	LXK8-PW40-0012	
4000		80	1250	1405	LXK8-PW40-0012A	
5000		80	1310	1605	LXK8-PW50-0012	
16		2700	80	1380	1595	LXK8-PW27-0016
		2700	80	1480	1530	LXK8-PW27-0016A
	2700	90	1265	1330	LXK9-PW27-0016	
	3000	70	2005	2105	LXK7-PW30-0016	
	3000	80	1475	1780	LXK8-PW30-0016	
	3000	80	1520	1640	LXK8-PW30-0016A	
	3000	90	1350	1465	LXK9-PW30-0016	
	3500	80	1590	1750	LXK8-PW35-0016	
	4000	70	2040	2150	LXK7-PW40-0016	
	4000	80	1590	1925	LXK8-PW40-0016	
	4000	80	1680	1875	LXK8-PW40-0016A	
	5000	80	1760	2070	LXK8-PW50-0016	
	24	2700	80	1960	2400	LXK8-PW27-0024
		2700	80	2230	2380	LXK8-PW27-0024A
2700		90	1880	1975	LXK9-PW27-0024	
3000		80	2100	2495	LXK8-PW30-0024	
3000		80	2280	2485	LXK8-PW30-0024A	
3000		90	2045	2145	LXK9-PW30-0024	
3500		80	2420	2750	LXK8-PW35-0024	
4000		80	2260	2980	LXK8-PW40-0024	
4000		80	2530	2860	LXK8-PW40-0024A	
5000		80	2650	3255	LXK8-PW50-0024	

Notes:

1. Lumileds maintains a tolerance of ±6.5% on flux measurements.
2. Correlated color temperature is based upon mounted die on highly reflective surface at T<sub>j</sub>=25°C.

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