



LUXEON 2835 Line

Perfected performance, built on a proven legacy



LUXEON 2835 Line is a collection of compact devices which allows for design freedom and provides a superior overall system solution when a project requires high lumen output and good efficacy. With an industry standard footprint, the LUXEON 2835 Line is the perfect upgrade for other 2835 products and other common mid power offerings. The LUXEON 2835 Line is color targeted for application needs and delivers efficacy and reliability for a variety of applications. It is available in two product offerings, LUXEON 2835C for higher output and LUXEON 2835E for lower output ranges.

FEATURES AND BENEFITS

Various configurations of voltage and die count to meet a wide range of application requirements

Industry standard footprint for drop-in replacement designs

Maximum drive current of up to 240mA allows for reduction of LED count

6V and 9V hot-color targeting and 1/9th micro-color binning enable tight color control

3-, 4- and 5-step MacAdam ellipse color kits available

PRIMARY APPLICATIONS

Downlights

Indoor Area Lighting

- TLEDs

- Troffers

Lamps

LUXEON 2835 Line product performance at specified test current and temperature.

PRODUCT	VOLTAGE	NOMINAL CCT ^[1]	MINIMUM CRI ^[2, 3]	LUMINOUS FLUX ^[2, 3] (lm)		TYPICAL LUMINOUS EFFICACY (lm/W)	TEST CURRENT (mA)	PART NUMBER
				MINIMUM	TYPICAL			
LUXEON 2835E	9V	6500K	70	78	86	158	60	L128-6570EC3500001
		2200K	80	59	65	119	60	L128-2280EC3500001
		2700K	80	67	75	137	60	L128-2780EC3500001
		3000K	80	70	78	142	60	L128-3080EC3500001
		3500K	80	72	80	147	60	L128-3580EC3500001
		4000K	80	74	82	150	60	L128-4080EC3500001
		5000K	80	74	82	150	60	L128-5080EC3500001
		5700K	80	74	82	150	60	L128-5780EC3500001
		6500K	80	74	82	150	60	L128-6580EC3500001
		2700K	90	54	62	114	60	L128-2790EC3500001
	6V	2200K	90	50	55	102	60	L128-2290EC3500001
		3000K	90	57	65	119	60	L128-3090EC3500001
		3500K	90	60	68	124	60	L128-3590EC3500001
		4000K	90	62	70	128	60	L128-4090EC3500001
		5000K	90	62	70	128	60	L128-5090EC3500001
		2700K	80	45	50	139	60	L128-2780EB3500001
		3000K	80	46	51	142	60	L128-3080EB3500001
		3500K	80	47	52	144	60	L128-3580EB3500001
		4000K	80	49	54	150	60	L128-4080EB3500001
		5000K	80	49	54	150	60	L128-5080EB3500001
	3V	5700K	80	49	54	150	60	L128-5780EB3500001
		6500K	80	49	54	150	60	L128-6580EB3500001
		2700K	80	23	25	137	60	L128-2780EA3500001
		3000K	80	25	27	148	60	L128-3080EA3500001
		3500K	80	25	28	154	60	L128-3580EA3500001
		4000K	80	27	29	159	60	L128-4080EA3500001
		5000K	80	27	29	159	60	L128-5080EA3500001
		5700K	80	27	29	159	60	L128-5780EA3500001
		6500K	80	27	29	159	60	L128-6580EA3500001
		LUXEON 2835C	6V	2700K	80	93	105	141
3000K	80			96	108	145	120	L128-3080CB3500001
3500K	80			99	111	149	120	L128-3580CB3500001
4000K	80			103	115	155	120	L128-4080CB3500001
5000K	80			103	115	155	120	L128-5080CB3500001
3V	5700K		80	103	115	155	120	L128-5780CB3500001
	6500K		80	103	115	155	120	L128-6580CB3500001
	2700K		80	51	54	154	120	L128-2780CA3500001
	3000K		80	53	56	160	120	L128-3080CA3500001
	3500K		80	54	57	164	120	L128-3580CA3500001
	4000K		80	56	60	168	120	L128-4080CA3500001
	5000K		80	56	60	168	120	L128-5080CA3500001
	5700K		80	56	60	168	120	L128-5780CA3500001
	6500K		80	56	60	168	120	L128-6580CA3500001
	3V TVS		2700K	80	48	54	149	120
3000K			80	50	56	154	120	L128-3080CA35000T1
3500K			80	52	57	158	120	L128-3580CA35000T1
4000K			80	54	58	163	120	L128-4080CA35000T1
5000K			80	54	58	163	120	L128-5080CA35000T1
	5700K		80	54	58	163	120	L128-5780CA35000T1
	6500K	80	54	58	163	120	L128-6580CA35000T1	

- Notes:
1. Correlated color temperature is cold-targeted at T_c=25°C for 3V products (LUXEON 2835E 3V, LUXEON 2835C 3V, and LUXEON 2835C 3V TVS). Correlated color temperature is hot-targeted at T_c=85°C for 6V and 9V products (LUXEON 2835E 6V, LUXEON 2835E 9V, and LUXEON 2835C 6V).
 2. Luminous flux and CRI specs are based upon mounted package on highly reflective surface at T_c=25°C. Typical CRI is approximately 2 points higher than the minimum CRI specified, but this is not guaranteed.
 3. Lumileds maintains a tolerance of ±2 on CRI and ±7.5% on luminous flux measurements.

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