



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

- 4 different 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
- Hot-color targeting and 1/9th micro-color binning enables 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	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		
		3000K	90	57	65	119	60	L128-3090EC3500001		
		3500K	90	60	68	124	60	L128-3590EC3500001		
	6V	4000K	90	62	70	128	60	L128-4090EC3500001		
		5000K	90	62	70	128	60	L128-5090EC3500001		
		2700K	80	43	48	129	60	L128-2780EB3500001		
		3000K	80	44	49	132	60	L128-3080EB3500001		
		3500K	80	46	50	134	60	L128-3580EB3500001		
		4000K	80	47	52	140	60	L128-4080EB3500001		
		5000K	80	47	52	140	60	L128-5080EB3500001		
		5700K	80	47	52	140	60	L128-5780EB3500001		
		6500K	80	47	52	140	60	L128-6580EB3500001		
		LUXEON 2835C	6V	2700K	80	93	105	141	120	L128-2780CB3500001
				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		
5700K	80			103	115	155	120	L128-5780CB3500001		
6500K	80			103	115	155	120	L128-6580CB3500001		
3V	2700K		80	51	56	154	120	L128-2780CA3500001		
	3000K		80	53	58	160	120	L128-3080CA3500001		
	3500K		80	54	59	164	120	L128-3580CA3500001		
3V TVS	4000K	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		
		2700K	80	48	54	149	120	L128-2780CA35000T1		
		3000K	80	50	56	154	120	L128-3080CA35000T1		
		3500K	80	52	57	158	120	L128-3580CA35000T1		
	5000K	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_p=25°C for LUXEON 2835C 3V & LUXEON 2835C 3V TVS products and hot-targeted at T_p=85°C for everything else.
 2. Luminous flux and CRI specs are based upon mounted package on highly reflective surface at T_p=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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