



# LUXEON 2835 Commercial Visual Consistency



Build for Uniformity. Engineered for Confidence.



LUXEON 2835 Commercial Visual Consistency LEDs deliver premium, uniform lighting performance specifically engineered for high-end architectural lighting. Built on a standard 2835 package, they enable easy integration, consistent design iteration and fast product upgrades, greatly simplifying R&D processes and shortening time-to-market. Adopting a single color bin design with optional single VF bin at 65mA, these LEDs ensure excellent color consistency and precise electrical matching, delivering flawless uniform illumination across entire projects. The advanced secondary sorting technology supports smooth deep dimming while maintaining stable color accuracy. With reliable performance, superior light uniformity and refined visual aesthetics, they serve as an optimal choice for high-grade commercial and architectural lighting applications.

## FEATURES AND BENEFITS

- Broad CCT & high CRI options offering for various application
- KSF and non-KSF choices available
- Options of single VF bin & deep dimming for string to string uniformity
- Industry standard footprint for drop-in replacement designs.
- Reliable package design for high-end architectural lighting
- Single 3-step MacAdam ellipse enable precise color control

## PRIMARY APPLICATIONS

- Panel / Soft Lights
- Linear
- Troffers
- Downlights

LUXEON 2835 Commercial Visual Consistency LEDs product performance at specified test conditions

Voltage	CCT <sup>(1)</sup>	MIN. CRI <sup>(2, 3)</sup>	TYPICAL FLUX <sup>(2, 3)</sup> (lm)	TYPICAL EFFICACY (lm/W)	TEST CURRENT (mA)	Color	VF Width	PART NUMBER <sup>(4)</sup>
3V	2700K	80	34.0	190.9	65	3 SDCM	0.1V	L128-2780SA35AV0D5
					0.65		0.05V	L128-2780SA35AVDD5
	3000K	80	34.8	195.4	65	3 SDCM	0.1V	L128-3080SA35AV0D5
					0.65		0.05V	L128-3080SA35AVDD5
	3500K	80	35.5	199.3	65	3 SDCM	0.1V	L128-3580SA35AV0D5
					0.65		0.05V	L128-3580SA35AVDD5
	4000K	80	36.3	203.8	65	3 SDCM	0.1V	L128-4080SA35AV0D5
					0.65		0.05V	L128-4080SA35AVDD5
	5000K	80	36.7	206.1	65	3 SDCM	0.1V	L128-5080SA35AV0D5
					0.65		0.05V	L128-5080SA35AVDD5
	5700K	80	36.7	206.1	65	3 SDCM	0.1V	L128-5780SA35AV0D5
					0.65		0.05V	L128-5780SA35AVDD5
	6500K	80	36.3	203.8	65	3 SDCM	0.1V	L128-6580SA35AV0D5
					0.65		0.05V	L128-6580SA35AVDD5
	2700K	90	29.3	164.5	65	3 SDCM	0.1V	L128-2790SA35AV0D5
					0.65		0.05V	L128-2790SA35AVDD5
	3000K	90	30.6	171.8	65	3 SDCM	0.1V	L128-3090SA35AV0D5
					0.65		0.05V	L128-3090SA35AVDD5
	3500K	90	31.6	177.4	65	3 SDCM	0.1V	L128-3590SA35AV0D5
					0.65		0.05V	L128-3590SA35AVDD5
	4000K	90	32.0	179.7	65	3 SDCM	0.1V	L128-4090SA35AV0D5
					0.65		0.05V	L128-4090SA35AVDD5
	5000K	90	32.0	179.7	65	3 SDCM	0.1V	L128-5090SA35AV0D5
					0.65		0.05V	L128-5090SA35AVDD5
	5700K	90	31.8	178.6	65	3 SDCM	0.1V	L128-5790SA35AV0D5
					0.65		0.05V	L128-5790SA35AVDD5
	6500K	90	31.6	177.4	65	3 SDCM	0.1V	L128-6590SA35AV0D5
					0.65		0.05V	L128-6590SA35AVDD5
	2700K	90	31.7	178.2	65	3 SDCM	0.1V	L128-2790SA35V1KD5
					0.65		0.05V	L128-2790SA35VDKD5
3000K	90	32.9	184.9	65	3 SDCM	0.1V	L128-3090SA35V1KD5	
				0.65		0.05V	L128-3090SA35VDKD5	
3500K	90	33.3	187.1	65	3 SDCM	0.1V	L128-3590SA35V1KD5	
				0.65		0.05V	L128-3590SA35VDKD5	
4000K	90	34.1	191.6	65	3 SDCM	0.1V	L128-4090SA35V1KD5	
				0.65		0.05V	L128-4090SA35VDKD5	
5000K	90	34.1	191.6	65	3 SDCM	0.1V	L128-5090SA35V1KD5	
				0.65		0.05V	L128-5090SA35VDKD5	
5700K	90	34.1	191.6	65	3 SDCM	0.1V	L128-5790SA35V1KD5	
				0.65		0.05V	L128-5790SA35VDKD5	
6000K	90	34.1	191.6	65	3 SDCM	0.1V	L128-6590SA35V1KD5	
				0.65		0.05V	L128-6590SA35VDKD5	

Notes:

1. Correlated color temperature is cold-targeted at T<sub>f</sub>=25°C.
2. Luminous flux and CRI specs are based upon mounted package on highly reflective surface at T<sub>f</sub>=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, ±7 % on luminous flux measurements and ±0.005 on x and y color coordinates in the CIE 1931 color space for these Part Numbers.
4. Please refer to the corresponding number for any technical report reference purposes, such as UL, RoHS, ecodeign, etc.

PART NUMBER	CORRESPONDING NUMBER
L128-XXYYSA35AV0D5	L128-XXYYSA35A00D1
L128-XXYYSA35AVDD5	L128-XXYYSA35A0DD1
L128-XXYYSA35V1KD5	L128-XXYYSA35A1KD1
L128-XXYYSA35VDKD5	L128-XXYYSA35ADKD1

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