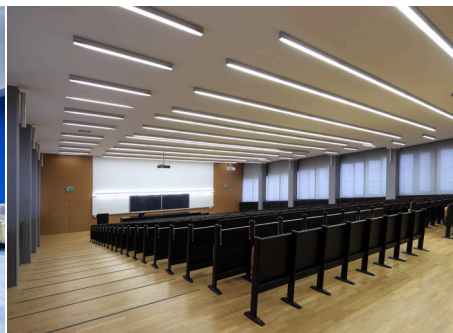




LUXEON 2835 Commercial Deep Dimming

Cost Effective 2835 Package Tailor-made For Excellent Dimming Application



LUXEON 2835 Commercial Deep Dimming delivers the industry's most cost effective of standard 2835 package. It is specially designed for dimming applications which require enormously uniform light output throughout rated and deep dimming operating conditions. This innovative product enables not only top-notch lm/W performance and long lifetime, but also 0.05 VF range by default for end applications. Utmost, this product leads its class in flux, color consistency, robustness, and reliability making it the right choice for commercial indoor luminaires.

FEATURES AND BENEFITS

Dedicated deep dimming bin achieves best-in-class dimming effects at 1% dimming current

0.05 VF range by default, free customer from complex driver compatibility design

Industry standard footprint for drop-in replacement designs

Complete CCT/CRI offering for various application

Reliable package design for commercial applications that prioritize lumens per Dollar and lumens per Watt

3 & 5-step MacAdam ellipses enable precise color control

PRIMARY APPLICATIONS

Panel / Soft Lights

Linear Lights

Troffers

Downlights

LUXEON 2835 Commercial Deep Dimming product performance of at specified test conditions.

VOLTAGE	PART	NOMINAL CCT ^[1]	MINIMUM CRI ^[2, 3]	LUMINOUS FLUX ^[2, 3] (lm)		TYPICAL LUMINOUS EFFICACY (lm/W)	TEST CURRENT (mA)	PART NUMBER
				MINIMUM	TYPICAL			
3V	LUXEON 2835 S	2700K	80	30.0	33.2	185.1	65	L128-2780SA35A0DA1
		3000K	80	32.0	34.4	192.0	65	L128-3080SA35A0DA1
		3500K	80	32.5	35.1	196.0	65	L128-3580SA35A0DA1
		4000K	80	33.0	35.8	200.0	65	L128-4080SA35A0DA1
		5000K	80	33.0	35.8	200.0	65	L128-5080SA35A0DA1
		5700K	80	33.0	35.8	200.0	65	L128-5780SA35A0DA1
		6500K	80	32.5	35.4	197.3	65	L128-6580SA35A0DA1
		2700K	90	25.5	27.5	153.3	65	L128-2790SA35A0DA1
		3000K	90	26.8	28.8	160.5	65	L128-3090SA35A0DA1
		3500K	90	28.1	30.2	168.3	65	L128-3590SA35A0DA1
		4000K	90	28.6	30.8	171.7	65	L128-4090SA35A0DA1
		5000K	90	28.6	30.8	171.7	65	L128-5090SA35A0DA1
		5700K	90	28.6	30.8	171.7	65	L128-5790SA35A0DA1
		6500K	90	28.3	30.4	169.5	65	L128-6590SA35A0DA1
		2700K	80	31.6	34.0	190.7	65	L128-2780SA35A0DD1
		3000K	80	32.4	34.8	195.1	65	L128-3080SA35A0DD1
		3500K	80	33.1	35.5	199.6	65	L128-3580SA35A0DD1
		4000K	80	33.8	36.3	204.1	65	L128-4080SA35A0DD1
		5000K	80	34.2	36.7	206.3	65	L128-5080SA35A0DD1
		5700K	80	34.2	36.7	206.3	65	L128-5780SA35A0DD1
		6500K	80	33.8	36.3	204.1	65	L128-6580SA35A0DD1
		2700K	90	27.2	29.3	164.5	65	L128-2790SA35A0DD1
		3000K	90	28.4	30.6	171.7	65	L128-3090SA35A0DD1
		3500K	90	29.4	31.6	177.3	65	L128-3590SA35A0DD1
		4000K	90	29.7	32.0	179.5	65	L128-4090SA35A0DD1
		5000K	90	29.7	32.0	179.5	65	L128-5090SA35A0DD1
		5700K	90	29.6	31.8	178.4	65	L128-5790SA35A0DD1
		6500K	90	29.4	31.6	177.3	65	L128-6590SA35A0DD1
		2700K	80	33.8	34.2	195.0	65	L128-2780SA35A0DE1
		3000K	80	34.3	35.2	200.6	65	L128-3080SA35A0DE1
		3500K	80	35.3	35.9	204.6	65	L128-3580SA35A0DE1
		4000K	80	37.2	38.2	218.0	65	L128-4080SA35A0DE1
		5000K	80	37.2	38.2	218.0	65	L128-5080SA35A0DE1
		5700K	80	36.7	38.2	218.0	65	L128-5780SA35A0DE1
		6500K	80	35.7	37.5	214.0	65	L128-6580SA35A0DE1

Table continued on next page:

1. Correlated color temperature is cold-targeted at T_f=25°C.
2. Luminous flux and CRI specs are based upon mounted package on highly reflective surface at T_f=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.

LUXEON 2835 Commercial Deep Dimming product performance of at specified test conditions (continued).

VOLTAGE	PART	NOMINAL CCT ^[1]	MINIMUM CRI ^[2, 3]	LUMINOUS FLUX ^[2, 3] (lm)		TYPICAL LUMINOUS EFFICACY (lm/W)	TEST CURRENT (mA)	PART NUMBER
				MINIMUM	TYPICAL			
3V	LUXEON 2835 S	2700K	90	29.8	31.0	176.6	65	L128-2790SA35A0DE1
		3000K	90	30.6	32.2	183.5	65	L128-3090SA35A0DE1
		3500K	90	30.8	32.4	184.6	65	L128-3590SA35A0DE1
		4000K	90	31.3	32.7	186.3	65	L128-4090SA35A0DE1
		5000K	90	31.3	32.7	186.3	65	L128-5090SA35A0DE1
		5700K	90	31.3	32.7	186.3	65	L128-5790SA35A0DE1
		6500K	90	31.8	32.7	186.3	65	L128-6590SA35A0DE1
		2700K	70	35.8	37.4	213.1	65	L128-2770SA35A0DF1
		3000K	70	36.9	38.6	219.9	65	L128-3070SA35A0DF1
		3500K	70	37.3	39.1	222.8	65	L128-3570SA35A0DF1
		4000K	70	38.8	40.6	231.3	65	L128-4070SA35A0DF1
		5000K	70	38.3	40.1	228.5	65	L128-5070SA35A0DF1
		5700K	70	38.3	40.1	228.5	65	L128-5770SA35A0DF1
		6500K	70	37.8	39.6	225.6	65	L128-6570SA35A0DF1
		2700K	80	34.8	35.2	200.6	65	L128-2780SA35A0DF1
		3000K	80	35.7	36.1	205.7	65	L128-3080SA35A0DF1
		3500K	80	36.7	37.3	212.5	65	L128-3580SA35A0DF1
		4000K	80	37.5	38.6	220.0	65	L128-4080SA35A0DF1
		5000K	80	37.7	38.6	220.0	65	L128-5080SA35A0DF1
		5700K	80	37.7	38.6	220.0	65	L128-5780SA35A0DF1
		6500K	80	37.7	39.5	225.1	65	L128-6580SA35A0DF1
		2700K	90	29.8	31.2	177.7	65	L128-2790SA35A0DF1
		3000K	90	30.8	32.4	184.5	65	L128-3090SA35A0DF1
		3500K	90	31.8	32.6	185.6	65	L128-3590SA35A0DF1
		4000K	90	32.3	33.0	187.8	65	L128-4090SA35A0DF1
		5000K	90	32.3	33.0	187.8	65	L128-5090SA35A0DF1
		5700K	90	32.3	33.0	187.8	65	L128-5790SA35A0DF1
		6500K	90	32.3	33.0	187.8	65	L128-6590SA35A0DF1
		2700K	80	30.2	31.7	175.4	65	L128-2780SA35A0DG1
		3000K	80	30.7	32.3	178.7	65	L128-3080SA35A0DG1
		3500K	80	30.9	32.5	179.9	65	L128-3580SA35A0DG1
		4000K	80	32.5	34.2	189.3	65	L128-4080SA35A0DG1
		5000K	80	32.5	34.2	189.3	65	L128-5080SA35A0DG1
		5700K	80	32.5	34.2	189.3	65	L128-5780SA35A0DG1
		6500K	80	31.8	33.5	185.4	65	L128-6580SA35A0DG1
		2700K	90	25.0	26.1	144.4	65	L128-2790SA35A0DG1
		3000K	90	26.0	27.1	150.0	65	L128-3090SA35A0DG1
		3500K	90	27.0	28.1	155.5	65	L128-3590SA35A0DG1
		4000K	90	28.3	29.5	163.3	65	L128-4090SA35A0DG1
		5000K	90	28.0	29.2	161.6	65	L128-5090SA35A0DG1
		5700K	90	28.0	29.2	161.6	65	L128-5790SA35A0DG1
		6500K	90	27.6	28.8	159.4	65	L128-6590SA35A0DG1

Notes:

1. Correlated color temperature is cold-targeted at T_j=25°C.
2. Luminous flux and CRI specs are based upon mounted package on highly reflective surface at T_j=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.