

### ILLUMINATION



# LUXEON 2835 Commercial



## Superior Im/W/\$ choice in LUXEON 2835 portfolio



LUXEON 2835 Commercial mid-power LEDs are the price/performance leader for commercial indoor lighting solutions when lumens per Watt and lumens per dollar are the driving metrics for development. They are available in CCTs from 2700K to 6500K and CRIs of 80 and 90. LUXEON 2835 Commercial has a superior max current rating and features a 1/5<sup>th</sup> color bin structure making it a perfect choice for indoor applications where you want the quality and reliability of LUXEON in a commercial application. LUXEON 2835 Commercial leads its class in flux, color consistency, robustness, and reliability making it the right choice for commercial indoor luminaires.

### **FEATURES AND BENEFITS**

Complete CCT/CRI offering for various application Industry standard footprint for drop-in replacement Reliable package design for commercial applications 5 SDCM MacAdam ellipse enable precise color control

### **PRIMARY APPLICATIONS**

- Panel / Soft Lights Linear
- Troffers

LUXEON 2835 Commercial	product performance a	at specified test conditions.
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VOLTAGE PRODUCT	NOMINAL	MINIMUM	LUMINOUS FLUX <sup>[2, 3]</sup> (Im)		TYPICAL	TEST	DADT	
	PRODUCT	CCT <sup>[1]</sup>	CRI <sup>[2, 3]</sup>	MINIMUM	TYPICAL	LUMINOUS EFFICACY (lm/W)	CURRENT (mA)	PART NUMBER
		2700K	80	30.0	32.5	181.0	65	L128-2780SA35A00A
		3000K	80	32.0	33.5	186.5	65	L128-3080SA35A00A
		3500K	80	32.5	34.0	189.0	65	L128-3580SA35A00A
		4000K	80	33.0	35.0	195.0	65	L128-4080SA35A00A
		5000K	80	33.0	35.0	195.0	65	L128-5080SA35A00A
		5700K	80	33.0	35.0	195.0	65	L128-5780SA35A00A
		6500K	80	32.5	34.5	192.0	65	L128-6580SA35A00A
		2700K	90	25.5	27.5	153.3	65	L128-2790SA35A00A
		3000K	90	26.8	28.8	160.5	65	L128-3090SA35A00A
		3500K	90	28.1	30.2	168.3	65	L128-3590SA35A00A
		4000K	90	28.6	30.8	171.7	65	L128-4090SA35A00A
		5000K	90	28.6	30.8	171.7	65	L128-5090SA35A00A
		5700K	90	28.6	30.8	171.7	65	L128-5790SA35A00A
		6500K	90	28.3	30.4	169.5	65	L128-6590SA35A00A
3V LUXEON 2835 S		2700K	80	31.3	34.3	194.7	65	L128-2780SA35A00E
		3000K	80	32.2	35.4	201.0	65	L128-3080SA35A00E
		3500K	80	33.2	36.3	206.1	65	L128-3580SA35A00E
	4000K	80	33.8	36.9	209.5	65	L128-4080SA35A00E	
		5000K	80	33.8	37.1	210.6	65	L128-5080SA35A00E
		5700K	80	33.8	37.1	210.6	65	L128-5780SA35A00E
		6500K	80	33.3	36.6	207.8	65	L128-6580SA35A00E
		2700K	90	26.8	28.8	163.5	65	L128-2790SA35A00E
		3000K	90	27.4	29.9	169.7	65	L128-3090SA35A00E
		3500K	90	28.3	30.8	174.9	65	L128-3590SA35A00E
		4000K	90	29.4	31.8	180.5	65	L128-4090SA35A00E
		5000K	90	29.4	31.8	180.5	65	L128-5090SA35A00E
		5700K	90	29.4	31.8	180.5	65	L128-5790SA35A00E
		6500K	90	29.4	31.8	180.5	65	L128-6590SA35A00E
		2700K	80	29.2	31.4	173.8	65	L128-2780SA35A00C
		3000K	80	30.2	32.5	179.9	65	L128-3080SA35A00C
		3500K	80	31.1	33.5	185.4	65	L128-3580SA35A00C
		4000K	80	31.6	33.9	187.6	65	L128-4080SA35A00C
		5000K	80	31.6	34.0	188.2	65	L128-5080SA35A00C
		5700K	80	31.6	34.0	188.2	65	L128-5780SA35A00C
		6500K	80	31.4	33.7	186.5	65	L128-6580SA35A00C
		2700K	90	24.9	26.8	148.3	65	L128-2790SA35A00C
		3000K	90	25.8	27.8	153.8	65	L128-3090SA35A00C
		3500K	90	26.7	28.8	159.4	65	L128-3590SA35A00C
		4000K	90	28.2	30.3	167.7	65	L128-4090SA35A00C
		5000K	90	28.2	30.4	168.2	65	L128-5090SA35A00C
		5700K	90	28.2	30.4	168.2	65	L128-5790SA35A00C
		6500K	90	27.9	30.4	166.0	65	L128-6590SA35A00C

Table continued on next page:
1. Correlated color temperature is cold-targeted at T<sub>i</sub>=25°C.
2. Luminous flux and CRI specs are based upon mounted package on highly reflective surface at T<sub>i</sub>=25°C. Typical CRI is approximately 2 points higher than the minimum CRI specified, but this is not recented. Lumileds maintains a tolerance of ±2 on CRI and ±7.5% on luminous flux measurements.

CCT <sup>11</sup> 2700K 3000K 3500K 4000K 5700K 6500K 2700K 3000K 3500K 4000K 5700K 6500K 2700K 3000K 3500K 4000K 5700K 6500K 5700K 6500K 2700K 3000K 3500K 4000K 5700K 6500K 3500K 3500K	CRI 12, 31 80 80 80 80 80 80 80 90 90 90 90 90 90 90 90 90 90 90 90 90	MINIMUM         31.6         32.4         33.1         33.8         34.2         34.2         33.8         27.2         28.4         29.7         29.7         29.7         29.7         33.8         34.2         35.7         36.7         35.7         29.8         30.6         30.8         31.3         31.3	TYPICAL           34.0           34.8           35.5           36.3           36.7           36.7           36.7           36.7           36.7           36.7           36.7           36.7           36.7           36.7           36.7           36.7           36.7           36.7           36.7           36.7           31.6           32.0           31.6           32.0           31.8           31.6           34.2           35.2           35.9           38.2           38.2           38.2           38.2           38.2           37.5           31.0           32.2           32.4           32.7           32.7	LUMIINOUS EFFICACY (Im/W) 190.7 195.1 199.6 204.1 206.3 206.3 206.3 204.1 164.5 171.7 177.3 179.5 179.5 179.5 179.5 179.5 179.5 178.4 177.3 179.5 200.6 204.0 204.	CURRENT (mA) 65 65 65 65 65 65 65 65 65 65 65 65 65	PART NUMBER           L128-2780SA35A001           L128-3080SA35A001           L128-3580SA35A001           L128-3580SA35A001           L128-3580SA35A001           L128-5080SA35A001           L128-5080SA35A001           L128-5080SA35A001           L128-5780SA35A001           L128-5790SA35A001           L128-3090SA35A001           L128-3090SA35A001           L128-3090SA35A001           L128-5090SA35A001           L128-5090SA35A001           L128-5090SA35A001           L128-5090SA35A001           L128-5090SA35A001           L128-5090SA35A001           L128-5090SA35A001           L128-5080SA35A001           L128-5080SA35A001           L128-5080SA35A001           L128-5080SA35A001           L128-5080SA35A001           L128-5080SA35A001           L128-5080SA35A001           L128-5080SA35A001           L128-2790SA35A001           L128-3090SA35A001           L128-3090SA35A001           L128-3090SA35A001           L128-3090SA35A001           L128-3090SA35A001           L128-3590SA35A001           L128-3590SA35A001           L128-3590SA35A001
3000K 3500K 4000K 5700K 6500K 2700K 3000K 3500K 4000K 5700K 6500K 2700K 3000K 3500K 4000K 5700K 6500K 2700K 3000K 3500K 4000K 5700K 3500K 2700K 3500K	80         80         80         80         80         80         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         80         80         80         80         90           9	32.4 33.1 33.8 34.2 34.2 33.8 27.2 28.4 29.4 29.7 29.7 29.6 29.4 33.8 34.3 35.3 37.2 37.2 36.7 35.7 29.8 30.6 30.8 31.3 31.3	34.8 35.5 36.3 36.7 36.7 36.3 29.3 30.6 31.6 32.0 32.0 31.8 31.6 34.2 35.2 35.2 35.9 38.2 38.2 38.2 38.2 38.2 38.2 38.2 38.2	195.1         199.6         204.1         206.3         204.1         164.5         171.7         177.3         179.5         179.5         179.5         179.5         200.6         200.6         200.6         201.1         177.3         195.0         200.6         204.6         218.0         218.0         218.0         214.0         176.6         183.5         184.6         186.3	65         65	L128-3080SA35A000 L128-3580SA35A000 L128-4080SA35A000 L128-5080SA35A000 L128-5780SA35A000 L128-5780SA35A000 L128-6580SA35A000 L128-3090SA35A000 L128-3090SA35A000 L128-4090SA35A000 L128-5790SA35A000 L128-5790SA35A000 L128-3080SA35A000 L128-3080SA35A000 L128-5080SA35A000 L128-5080SA35A000 L128-5080SA35A000 L128-5080SA35A000 L128-5080SA35A000 L128-5780SA35A000 L128-5080SA35A000 L128-5080SA35A000 L128-3090SA35A000 L128-3090SA35A000 L128-3090SA35A000 L128-3090SA35A000 L128-3590SA35A000 L128-3590SA35A000 L128-3590SA35A000 L128-3590SA35A000 L128-3590SA35A000 L128-3590SA35A000
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4000K 5000K 5700K 6500K 2700K 3000K 5000K 5700K 6500K 2700K 3000K 3500K 4000K 5700K 6500K 2700K 6500K 2700K 3000K 3500K 4000K 5700K 3500K	80 80 80 90 90 90 90 90 90 90 90 90 80 80 80 80 80 80 80 80 80 80 80 90 90 90 90 90	33.8 34.2 34.2 33.8 27.2 28.4 29.4 29.7 29.7 29.7 29.6 29.4 33.8 34.3 35.3 37.2 37.2 37.2 36.7 35.7 29.8 30.6 30.8 31.3 31.3	36.3 36.7 36.7 36.3 29.3 30.6 31.6 32.0 32.0 32.0 31.8 31.6 34.2 35.2 35.2 35.2 35.9 38.2 38.2 38.2 38.2 38.2 38.2 38.2 38.2	204.1 206.3 206.3 204.1 164.5 171.7 177.3 179.5 179.5 178.4 177.3 195.0 200.6 204.6 218.0	65         65	L128-4080SA35A000 L128-5080SA35A000 L128-5780SA35A000 L128-6580SA35A000 L128-6580SA35A000 L128-3090SA35A000 L128-3090SA35A000 L128-4090SA35A000 L128-5090SA35A000 L128-5790SA35A000 L128-5780SA35A000 L128-3580SA35A000 L128-5080SA35A000 L128-5780SA35A000 L128-5780SA35A000 L128-5780SA35A000 L128-5780SA35A000 L128-5780SA35A000 L128-2790SA35A000 L128-3090SA35A000 L128-3090SA35A000 L128-3590SA35A000 L128-3590SA35A000 L128-3590SA35A000 L128-3590SA35A000 L128-3590SA35A000
5000K 5700K 6500K 2700K 3000K 3500K 5000K 5700K 6500K 2700K 3000K 5700K 5000K 5700K 6500K 2700K 3000K 3500K 4000K 3500K 3500K 3500K	80 80 80 90 90 90 90 90 90 90 90 80 80 80 80 80 80 80 80 80 80 80 90 90 90 90 90	34.2 34.2 33.8 27.2 28.4 29.4 29.7 29.7 29.7 29.6 29.4 33.8 34.3 35.3 37.2 37.2 36.7 35.7 29.8 30.6 30.8 31.3 31.3	36.7 36.3 29.3 30.6 31.6 32.0 32.0 31.8 31.6 34.2 35.2 35.9 38.2 35.9 38.2 38.2 38.2 38.2 38.2 38.2 38.2 38.2	206.3 206.3 204.1 164.5 171.7 177.3 179.5 179.5 178.4 177.3 195.0 200.6 204.6 218.0	65         65	L128-5080SA35A000 L128-5780SA35A000 L128-6580SA35A000 L128-2790SA35A000 L128-3090SA35A000 L128-3090SA35A000 L128-4090SA35A000 L128-5090SA35A000 L128-5790SA35A000 L128-6590SA35A000 L128-3580SA35A000 L128-3580SA35A000 L128-5780SA35A000 L128-5780SA35A000 L128-5780SA35A000 L128-5780SA35A000 L128-5780SA35A000 L128-3090SA35A000 L128-3090SA35A000 L128-3090SA35A000 L128-3590SA35A000 L128-3590SA35A000 L128-3590SA35A000 L128-3590SA35A000 L128-3590SA35A000 L128-3590SA35A000
5700K 6500K 2700K 3000K 3500K 5000K 5700K 6500K 2700K 3000K 3500K 5700K 6500K 2700K 6500K 2700K 3000K 3500K 3500K 3500K 3500K	80 80 90 90 90 90 90 90 90 80 80 80 80 80 80 80 80 80 80 80 80 90 90 90 90 90	34.2 33.8 27.2 28.4 29.4 29.7 29.7 29.7 29.6 29.4 33.8 34.3 35.3 37.2 37.2 37.2 36.7 35.7 29.8 30.6 30.8 31.3 31.3	36.7 36.3 29.3 30.6 31.6 32.0 32.0 31.8 31.6 34.2 35.2 35.9 38.2 38.2 38.2 38.2 38.2 38.2 38.2 38.2	206.3 204.1 164.5 171.7 177.3 179.5 179.5 178.4 177.3 195.0 200.6 204.6 218.0	65         65	L128-5780SA35A000 L128-6580SA35A000 L128-2790SA35A000 L128-3090SA35A000 L128-3090SA35A000 L128-3590SA35A000 L128-4090SA35A000 L128-5090SA35A000 L128-5790SA35A000 L128-2780SA35A000 L128-380SA35A000 L128-3580SA35A000 L128-5780SA35A000 L128-5780SA35A000 L128-5780SA35A000 L128-2790SA35A000 L128-3090SA35A000 L128-3090SA35A000 L128-3090SA35A000 L128-3590SA35A000 L128-3590SA35A000 L128-3590SA35A000 L128-3590SA35A000 L128-3590SA35A000 L128-3590SA35A000
6500K 2700K 3000K 3500K 5000K 5700K 6500K 2700K 3000K 3500K 4000K 5700K 6500K 2700K 3000K 3500K 3500K 3500K 3500K 3500K	80 90 90 90 90 90 90 90 80 80 80 80 80 80 80 80 80 80 80 90 90 90 90 90	33.8         27.2         28.4         29.4         29.7         29.6         29.4         33.8         34.3         35.3         37.2         36.7         35.7         29.8         30.6         30.8         31.3         31.3	36.3 29.3 30.6 31.6 32.0 32.0 31.8 31.6 34.2 35.2 35.9 38.2 38.2 38.2 38.2 38.2 38.2 38.2 38.2	204.1 164.5 171.7 177.3 179.5 179.5 179.5 178.4 177.3 195.0 200.6 204.6 204.6 218.0 21	65         65	L128-6580SA35A001 L128-2790SA35A001 L128-3090SA35A001 L128-3590SA35A001 L128-3590SA35A001 L128-4090SA35A001 L128-5090SA35A001 L128-5790SA35A001 L128-2780SA35A001 L128-380SA35A001 L128-3080SA35A001 L128-5780SA35A001 L128-5780SA35A001 L128-2790SA35A001 L128-3090SA35A001 L128-3090SA35A001 L128-3590SA35A001 L128-3590SA35A001 L128-3590SA35A001 L128-4090SA35A001
2700K 3000K 3500K 5000K 5700K 6500K 2700K 3000K 3500K 4000K 5700K 6500K 2700K 3000K 3500K 4000K 55000K 3500K	90 90 90 90 90 90 90 80 80 80 80 80 80 80 80 80 80 80 90 90 90 90 90	27.2 28.4 29.4 29.7 29.7 29.6 29.4 33.8 34.3 35.3 37.2 37.2 37.2 36.7 35.7 29.8 30.6 30.8 31.3 31.3	29.3 30.6 31.6 32.0 32.0 31.8 31.6 34.2 35.2 35.9 38.2 38.2 38.2 38.2 38.2 38.2 38.2 38.2 38.2 32.4 32.4 32.7	164.5 171.7 177.3 179.5 179.5 178.4 177.3 195.0 200.6 204.6 218.0	65 65 65 65 65 65 65 65 65 65 65 65 65 6	L128-2790SA35A000 L128-3090SA35A000 L128-3590SA35A000 L128-4090SA35A000 L128-5090SA35A000 L128-5090SA35A000 L128-5790SA35A000 L128-2780SA35A000 L128-3080SA35A000 L128-3080SA35A000 L128-5080SA35A000 L128-5780SA35A000 L128-2790SA35A000 L128-3590SA35A000 L128-3590SA35A000 L128-3590SA35A000 L128-3590SA35A000 L128-3590SA35A000 L128-3590SA35A000 L128-3590SA35A000 L128-3590SA35A000 L128-3590SA35A000
3000K 3500K 5000K 5700K 6500K 2700K 3000K 3500K 4000K 5700K 6500K 2700K 3000K 3500K 4000K 5500K 5500K	90 90 90 90 90 90 80 80 80 80 80 80 80 80 80 80 80 90 90 90 90 90	28.4 29.4 29.7 29.7 29.6 29.4 33.8 34.3 35.3 37.2 37.2 37.2 36.7 35.7 29.8 30.6 30.8 31.3 31.3	30.6 31.6 32.0 32.0 31.8 31.6 34.2 35.2 35.9 38.2 38.2 38.2 38.2 38.2 38.2 38.2 38.2	171.7 177.3 179.5 179.5 178.4 177.3 195.0 200.6 204.6 218.0 218.0 218.0 218.0 218.0 218.0 218.0 214.0 176.6 183.5 184.6 186.3	65 65 65 65 65 65 65 65 65 65 65 65 65 6	L128-3090SA35A001 L128-3590SA35A001 L128-4090SA35A001 L128-5090SA35A001 L128-5790SA35A001 L128-5790SA35A001 L128-2780SA35A000 L128-3080SA35A000 L128-3080SA35A000 L128-4080SA35A000 L128-5780SA35A000 L128-5780SA35A000 L128-2790SA35A000 L128-3090SA35A000 L128-3590SA35A000 L128-3590SA35A000 L128-4090SA35A000
3500K 4000K 5700K 6500K 2700K 3000K 3500K 4000K 5700K 6500K 2700K 3000K 3500K 4000K 5500K 5500K	90 90 90 90 90 80 80 80 80 80 80 80 80 80 80 90 90 90 90 90	29.4 29.7 29.7 29.6 29.4 33.8 34.3 35.3 37.2 37.2 36.7 35.7 29.8 30.6 30.8 31.3 31.3	31.6 32.0 32.0 31.8 31.6 34.2 35.2 35.9 38.2 38.2 38.2 38.2 38.2 38.2 38.2 38.2	177.3 179.5 179.5 178.4 177.3 195.0 200.6 204.6 218.0 218.0 218.0 218.0 218.0 218.0 214.0 176.6 183.5 184.6 186.3	65 65 65 65 65 65 65 65 65 65 65 65 65 6	L128-3590SA35A00 L128-4090SA35A00 L128-5090SA35A00 L128-5790SA35A00 L128-5790SA35A00 L128-6590SA35A00 L128-3080SA35A00 L128-3080SA35A00 L128-4080SA35A00 L128-5080SA35A00 L128-5780SA35A00 L128-5780SA35A00 L128-2790SA35A00 L128-3090SA35A00 L128-3590SA35A00 L128-4090SA35A00
4000K 5000K 5700K 2700K 3000K 3500K 4000K 5700K 6500K 2700K 3000K 3500K 4000K 5500K 5500K	90 90 90 80 80 80 80 80 80 80 80 80 90 90 90 90 90	29.7 29.7 29.6 29.4 33.8 34.3 35.3 37.2 37.2 36.7 35.7 29.8 30.6 30.8 31.3 31.3	32.0 32.0 31.8 31.6 34.2 35.2 35.9 38.2 38.2 38.2 38.2 38.2 37.5 31.0 32.2 32.4 32.7	179.5 179.5 178.4 177.3 195.0 200.6 204.6 218.0 218.0 218.0 218.0 218.0 214.0 176.6 183.5 184.6 186.3	65 65 65 65 65 65 65 65 65 65 65 65 65 6	L128-4090SA35A00 L128-5090SA35A00 L128-5790SA35A00 L128-6590SA35A00 L128-2780SA35A00 L128-3080SA35A00 L128-3080SA35A00 L128-4080SA35A00 L128-5080SA35A00 L128-5780SA35A00 L128-6580SA35A00 L128-2790SA35A00 L128-3090SA35A00 L128-3590SA35A00 L128-4090SA35A00
5000K 5700K 6500K 2700K 3000K 3500K 4000K 5700K 6500K 2700K 3000K 3500K 4000K 5700K 5700K	90 90 80 80 80 80 80 80 80 80 80 80 90 90 90 90 90 90	29.7 29.6 29.4 33.8 34.3 35.3 37.2 37.2 36.7 35.7 29.8 30.6 30.8 31.3 31.3	32.0 31.8 31.6 34.2 35.2 35.9 38.2 38.2 38.2 38.2 38.2 37.5 31.0 32.2 32.4 32.7	179.5 178.4 177.3 195.0 200.6 204.6 218.0 218.0 218.0 218.0 214.0 176.6 183.5 184.6 186.3	65 65 65 65 65 65 65 65 65 65 65 65 65 6	L128-5090SA35A00 L128-5790SA35A00 L128-6590SA35A00 L128-2780SA35A00 L128-3080SA35A00 L128-3580SA35A00 L128-4080SA35A00 L128-5080SA35A00 L128-5780SA35A00 L128-6580SA35A00 L128-2790SA35A00 L128-3090SA35A00 L128-3590SA35A00 L128-4090SA35A00
5700K 6500K 2700K 3000K 3500K 4000K 5700K 6500K 2700K 3000K 3500K 4000K 5700K	90 90 80 80 80 80 80 80 80 80 80 90 90 90 90 90 90	29.6 29.4 33.8 34.3 35.3 37.2 37.2 36.7 35.7 29.8 30.6 30.8 31.3 31.3	31.8 31.6 34.2 35.2 35.9 38.2 38.2 38.2 38.2 38.2 37.5 31.0 32.2 32.4 32.7	178.4 177.3 195.0 200.6 204.6 218.0 218.0 218.0 218.0 214.0 176.6 183.5 184.6 186.3	65 65 65 65 65 65 65 65 65 65 65 65 65 6	L128-5790SA35A00 L128-6590SA35A00 L128-2780SA35A00 L128-3080SA35A00 L128-3580SA35A00 L128-4080SA35A00 L128-5080SA35A00 L128-5780SA35A00 L128-6580SA35A00 L128-2790SA35A00 L128-3090SA35A00 L128-3590SA35A00 L128-4090SA35A00
6500K 2700K 3000K 3500K 5000K 5700K 6500K 2700K 3000K 3500K 4000K 5000K 5700K	90 80 80 80 80 80 80 80 80 90 90 90 90 90 90	29.4 33.8 34.3 35.3 37.2 37.2 36.7 35.7 29.8 30.6 30.8 31.3 31.3	31.6 34.2 35.2 35.9 38.2 38.2 38.2 38.2 37.5 31.0 32.2 32.4 32.7	177.3 195.0 200.6 204.6 218.0 218.0 218.0 218.0 214.0 176.6 183.5 184.6 186.3	65 65 65 65 65 65 65 65 65 65 65 65 65	L128-6590SA35A00 L128-2780SA35A00 L128-3080SA35A00 L128-3580SA35A00 L128-4080SA35A00 L128-5080SA35A00 L128-5780SA35A00 L128-6580SA35A00 L128-2790SA35A00 L128-3090SA35A00 L128-3590SA35A00 L128-4090SA35A00
2700K 3000K 3500K 5000K 5700K 6500K 2700K 3000K 3500K 4000K 5000K 5700K	80 80 80 80 80 80 80 90 90 90 90 90 90	33.8 34.3 35.3 37.2 37.2 36.7 35.7 29.8 30.6 30.8 31.3 31.3	34.2 35.2 35.9 38.2 38.2 38.2 37.5 31.0 32.2 32.4 32.7	195.0         200.6         204.6         218.0         218.0         218.0         214.0         176.6         183.5         184.6         186.3	65 65 65 65 65 65 65 65 65 65 65 65	L128-2780SA35A00 L128-3080SA35A00 L128-3580SA35A00 L128-4080SA35A00 L128-5080SA35A00 L128-5780SA35A00 L128-6580SA35A00 L128-2790SA35A00 L128-3090SA35A00 L128-3590SA35A00 L128-4090SA35A00
3000K 3500K 4000K 5000K 5700K 6500K 2700K 3000K 3500K 4000K 5000K 5700K	80 80 80 80 80 90 90 90 90 90 90	34.3 35.3 37.2 37.2 36.7 29.8 30.6 30.8 31.3 31.3	35.2 35.9 38.2 38.2 38.2 37.5 31.0 32.2 32.4 32.7	200.6 204.6 218.0 218.0 218.0 214.0 176.6 183.5 184.6 186.3	65 65 65 65 65 65 65 65 65 65	L128-3080SA35A00 L128-3580SA35A00 L128-4080SA35A00 L128-5080SA35A00 L128-5780SA35A00 L128-6580SA35A00 L128-2790SA35A00 L128-3090SA35A00 L128-3590SA35A00 L128-4090SA35A00
3500K 4000K 5000K 5700K 6500K 2700K 3000K 3500K 4000K 5000K 5700K	80 80 80 80 90 90 90 90 90 90	35.3 37.2 37.2 36.7 35.7 29.8 30.6 30.8 31.3 31.3	35.9 38.2 38.2 38.2 37.5 31.0 32.2 32.4 32.7	204.6 218.0 218.0 218.0 214.0 176.6 183.5 184.6 186.3	65 65 65 65 65 65 65 65 65	L128-3580SA35A00 L128-4080SA35A00 L128-5080SA35A00 L128-5780SA35A00 L128-6580SA35A00 L128-2790SA35A00 L128-3090SA35A00 L128-3590SA35A00 L128-4090SA35A00
4000K 5000K 5700K 6500K 2700K 3000K 3500K 4000K 5000K 5700K	80 80 80 90 90 90 90 90 90	37.2 37.2 36.7 35.7 29.8 30.6 30.8 31.3 31.3	38.2 38.2 37.5 31.0 32.2 32.4 32.7	218.0 218.0 218.0 214.0 176.6 183.5 184.6 186.3	65 65 65 65 65 65 65 65	L128-4080SA35A00 L128-5080SA35A00 L128-5780SA35A00 L128-6580SA35A00 L128-2790SA35A00 L128-3090SA35A00 L128-3590SA35A00 L128-4090SA35A00
5000K 5700K 6500K 2700K 3000K 3500K 4000K 5000K 5700K	80 80 90 90 90 90 90 90	37.2 36.7 35.7 29.8 30.6 30.8 31.3 31.3	38.2 38.2 37.5 31.0 32.2 32.4 32.7	218.0 218.0 214.0 176.6 183.5 184.6 186.3	65 65 65 65 65 65 65	L128-5080SA35A00 L128-5780SA35A00 L128-6580SA35A00 L128-2790SA35A00 L128-3090SA35A00 L128-3590SA35A00 L128-4090SA35A00
5700K 6500K 2700K 3000K 3500K 4000K 5000K 5700K	80 80 90 90 90 90 90	36.7 35.7 29.8 30.6 30.8 31.3 31.3	38.2 37.5 31.0 32.2 32.4 32.7	218.0 214.0 176.6 183.5 184.6 186.3	65 65 65 65 65 65	L128-5780SA35A00 L128-6580SA35A00 L128-2790SA35A00 L128-3090SA35A00 L128-3590SA35A00 L128-4090SA35A00
6500K 2700K 3000K 3500K 4000K 5000K 5700K	80 90 90 90 90 90	35.7 29.8 30.6 30.8 31.3 31.3	37.5 31.0 32.2 32.4 32.7	214.0 176.6 183.5 184.6 186.3	65 65 65 65 65	L128-6580SA35A00 L128-2790SA35A00 L128-3090SA35A00 L128-3590SA35A00 L128-4090SA35A00
2700K 3000K 3500K 4000K 5000K 5700K	90 90 90 90 90	29.8 30.6 30.8 31.3 31.3	31.0 32.2 32.4 32.7	176.6 183.5 184.6 186.3	65 65 65 65	L128-2790SA35A00 L128-3090SA35A00 L128-3590SA35A00 L128-4090SA35A00
3000K 3500K 4000K 5000K 5700K	90 90 90 90	30.6 30.8 31.3 31.3	32.2 32.4 32.7	183.5 184.6 186.3	65 65 65	L128-3090SA35A00 L128-3590SA35A00 L128-4090SA35A00
3500K 4000K 5000K 5700K	90 90 90	30.8 31.3 31.3	32.4 32.7	184.6 186.3	65 65	L128-3590SA35A00 L128-4090SA35A00
4000K 5000K 5700K	90 90	31.3 31.3	32.7	186.3	65	L128-4090SA35A00
5000K 5700K	90	31.3				
5700K			32.7	106.0	65	
	90	21.2		186.3	00	L128-5090SA35A00
6500K		31.3	32.7	186.3	65	L128-5790SA35A00
	90	31.8	32.7	186.3	65	L128-6590SA35A00
2700K	80	34.8	35.2	200.6	65	L128-2780SA35A00
3000K	80	35.7	36.1	205.7	65	L128-3080SA35A00
3500K	80	36.7	37.3	212.5	65	L128-3580SA35A00
4000K	80	37.5	38.6	220.0	65	L128-4080SA35A00
5000K	80	37.7	38.6	220.0	65	L128-5080SA35A00
5700K	80	37.7	38.6	220.0	65	L128-5780SA35A00
6500K	80	37.7	39.5	225.1	65	L128-6580SA35A00
2700K	90	29.8	31.2	177.7	65	L128-2790SA35A00
3000K	90	30.8	32.4	184.5	65	L128-3090SA35A00
3500K	90	31.8	32.6	185.6	65	L128-3590SA35A00
4000K	90	32.3	33.0	187.8	65	L128-4090SA35A00
5000K	90	32.3	33.0	187.8	65	L128-5090SA35A00
5700K	90	32.3	33.0	187.8	65	L128-5790SA35A00
6500K	90	32.3	33.0	187.8	65	L128-6590SA35A00
2700K	80	30.2	31.7	175.4	65	L128-2780SA35A00
3000K	80	30.7	32.3	178.7	65	L128-3080SA35A00
3500K	80	30.9	32.5	179.9	65	L128-3580SA35A00
4000K	80	32.5	34.2	189.3	65	L128-4080SA35A00
5000K	80	32.5	34.2	189.3	65	L128-5080SA35A00
5700K	80	32.5	34.2	189.3	65	L128-5780SA35A00
6500K	80					L128-6580SA35A00
	6500K 2700K 3000K 3500K 5000K 5700K 6500K 2700K 3000K 3500K 4000K 5700K	6500K         80           2700K         90           3000K         90           3500K         90           4000K         90           5000K         90           5700K         90           5700K         90           2700K         80           3000K         80           3500K         80           3500K         80           5000K         80           5000K         80           5000K         80           5000K         80	6500K8037.72700K9029.83000K9030.83500K9031.84000K9032.35000K9032.35700K9032.36500K9032.32700K8030.23000K8030.73500K8030.94000K8032.55000K8032.55700K8032.55700K8032.55700K8031.8	6500K8037.739.52700K9029.831.23000K9030.832.43500K9031.832.64000K9032.333.05000K9032.333.05700K9032.333.05700K9032.333.06500K9032.333.02700K8030.231.73000K8030.732.33500K8030.932.54000K8032.534.25000K8032.534.25700K8032.534.2	6500K8037.739.5225.12700K9029.831.2177.73000K9030.832.4184.53500K9031.832.6185.64000K9032.333.0187.85000K9032.333.0187.85000K9032.333.0187.85700K9032.333.0187.86500K9032.333.0187.82700K8030.231.7175.43000K8030.732.3178.73500K8030.932.5179.94000K8032.534.2189.35000K8032.534.2189.35700K8032.534.2189.3	6500K8037.739.5225.1652700K9029.831.2177.7653000K9030.832.4184.5653500K9031.832.6185.6654000K9032.333.0187.8655000K9032.333.0187.8655000K9032.333.0187.8655000K9032.333.0187.8655700K9032.333.0187.8652700K8030.231.7175.4653000K8030.732.3178.7653500K8030.932.5179.9654000K8032.534.2189.3655700K8032.534.2189.365

LUXEON 2835 Commercial product performance at specified test conditions, Continued.

VOLTAGE P	PRODUCT	NOMINAL M	MINIMUM CRI <sup>[2, 3]</sup>	LUMINOUS FLUX <sup>[2, 3]</sup> (Im)		TYPICAL LUMINOUS	TEST CURRENT	PART NUMBER
				MINIMUM	TYPICAL	EFFICACY (lm/W)	(mA)	TART NOWDER
		2700K	80	101.4	109.0	150.1	120	L128-2780SB35B00A1
		3000K	80	104.1	112.0	154.3	120	L128-3080SB35B00A1
		3500K	80	106.9	115.0	158.4	120	L128-3580SB35B00A1
		4000K	80	110.0	118.3	162.9	120	L128-4080SB35B00A1
		5000K	80	110.0	118.3	162.9	120	L128-5080SB35B00A1
		5700K	80	110.0	118.3	162.9	120	L128-5780SB35B00A1
		OOK	80	108.6	116.8	160.9	120	L128-6580SB35B00A1
			90	84.8	91.2	125.6	120	L128-2790SB35B00A1
			90	88.5	95.2	131.1	120	L128-3090SB35B00A1
			90	93.1	100.2	138.0	120	L128-3590SB35B00A1
			90	95.9	103.2	142.1	120	L128-4090SB35B00A1
			20	95.9	103.2	142.1	120	L128-5090SB35B00A1
				95.9	103.2	142.1	120	L128-5790SB35B00A1
				95.9	103.2	142.1	120	L128-6590SB35B00A1

effective surface at  $T_j=25^{\circ}$ C. Typical CRI is approximately 2 points higher than the minimum CRI specified, but this is

urements.

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