

# J SERIES™ LEDS

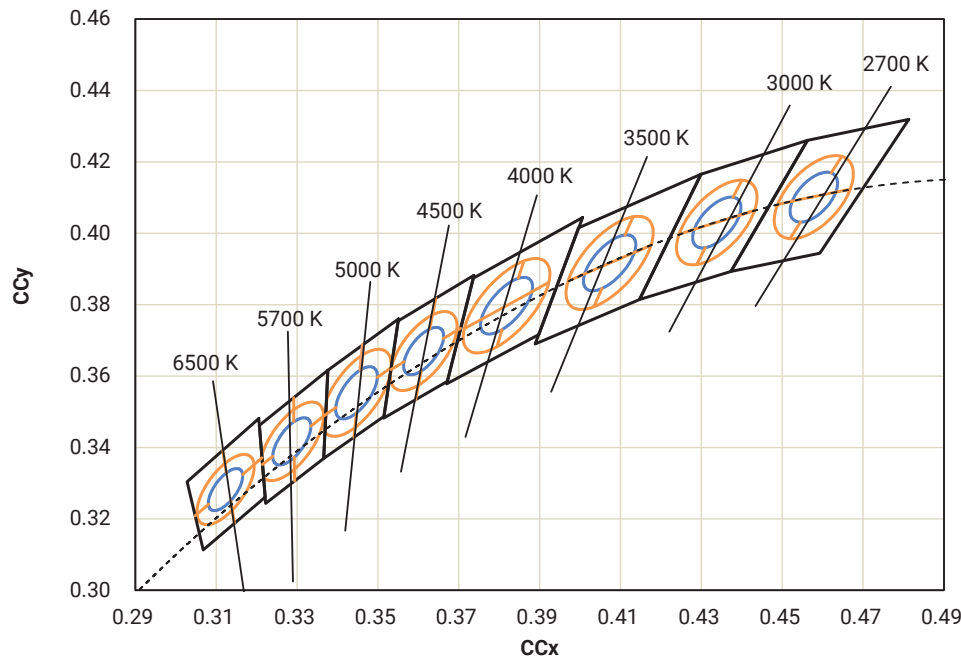
- High-Volume, Cost-Optimized LEDs for All Lighting Applications
- 70, 80 & 90 CRI options for complete 6500 K–2700 K CCT range
- 3-Step Chromaticity Kits Aligned with Cree’s EasyWhite® Bins
- Industry-Compatible Footprints



## Product Portfolio

Package	0.2 W	0.5 W	1 W	4 W	5 W
5050 Standard				JQ5050 9-V	JR5050 36-V JR5050 12-V/24-V
3030 Standard	JB3030 3-V		JK3030 6-V JK3030 3-V		
5630 Standard	JB5630 3-V				
2835 Standard		JE2835 3-V	JK2835 6-V		
2835 Value		JE2835 3-V	JK2835 9-V		

## CCT & CRI Options



CCT	70 CRI	80 CRI	90 CRI
6500 K	●	●	●
5700 K	●	●	●
5000 K	●	●	●
4000 K	●	●	●
3500 K	●	●	●
3000 K	●	●	●
2700 K	●	●	●

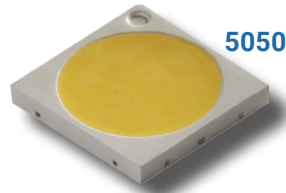
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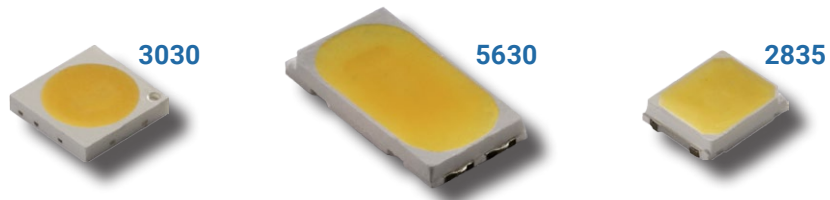


High-Power: Standard



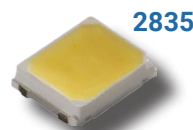
Product	Power (W)	Typical Drive Current (mA)	Typical Forward Voltage (V)	4000 K, 70 CRI		3000 K, 80 CRI		Maximum Drive Current (mA)
				Typical Flux (lm)	Typical Efficacy (LPW)	Typical Flux (lm)	Typical Efficacy (LPW)	
JR5050 36-V	5	65	34.5	400	178	360	161	165
JR5050 24-V	5	100	24.5	420	171	380	155	240
JR5050 12-V	5	200	12.3	420	171	380	155	480
JQ5050 9-V	4	400	9.5	580	153	520	137	480

Mid-Power: Standard



Product	Power (W)	Typical Drive Current (mA)	Typical Forward Voltage (V)	4000 K, 70 CRI		3000 K, 80 CRI		Maximum Drive Current (mA)
				Typical Flux (lm)	Typical Efficacy (LPW)	Typical Flux (lm)	Typical Efficacy (LPW)	
JK3030 6-V	1	150	6	152	169	138	153	200
JK3030 3-V	1	350	3.2	156	139	139	124	400
JB3030 3-V	0.2	65	2.8	35.5	195	32	176	240
JB5630 3-V	0.2	65	2.8	36.6	201	32.3	178	240
JK2835 6-V	1	150	6.2	153	165	134	144	200
JE2835 3-V	0.5	150	3	79	176	70	156	240

Mid-Power: Value



Product	Power (W)	Typical Drive Current (mA)	Typical Forward Voltage (V)	4000 K, 70 CRI		3000 K, 80 CRI		Maximum Drive Current (mA)
				Typical Flux (lm)	Typical Efficacy (LPW)	Typical Flux (lm)	Typical Efficacy (LPW)	
JK2835 9-V	1	100	9	135	150	123	137	120
JE2835 3-V	0.5	150	3.15	70.5	149	65	138	200



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