

J SERIES® LEDs

- Cost-optimized LEDs for all lighting applications
- Industry-compatible footprints
- Broad range of CCT & CRI options across the portfolio
- 3-step chromaticity kits aligned with Cree LED's EasyWhite® bins

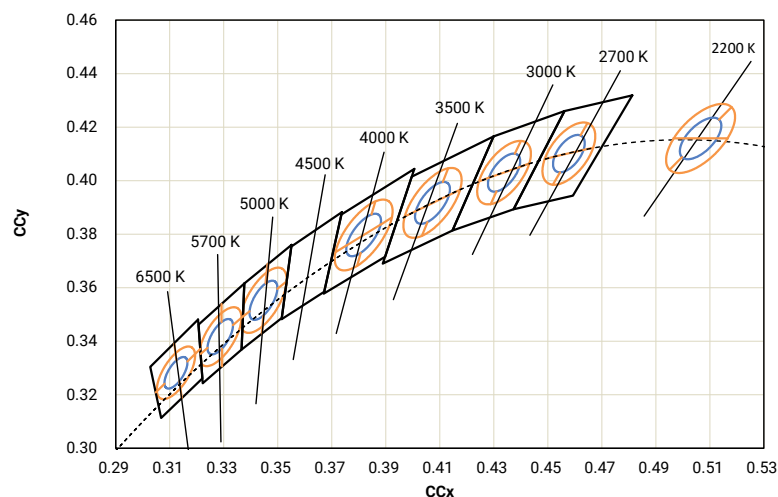
August 2021 (FS33R9)

PRODUCT PORTFOLIO

Package	Series	6-V	9-V	24-V	30-V	36-V
5050	High Efficacy	JR5050B K			JR5050B K	
	Standard	JR5050 P JR5050 Q	JR5050 P JR5050 Q	JR5050 P JR5050 Q		JR5050 Q

Package	Series	3-V 0.2 W	3-V 0.5 W	3-V 1 W	6-V	9-V	18-V
3030	High Efficacy	JB3030 B JB3030 D			JK3030 B		
	Standard	JB3030 P		JK3030 P	JK3030 P		
2835	High Efficacy	JB2835B G JB2835B J					
	Standard		JE2835B N JE2835B P JE2835 R		JK2835 P		
	Value	JB2835 W			JK2835B W	JK2835B W	JK2835 X
5630	High Efficacy	JB5630 H					
	Standard	JB5630 P					
2016	Standard	JB2016B P					

CCT & CRI OPTIONS



CCT	70 CRI	80 CRI	90 CRI	98 CRI
6500 K	◆	•	•	+
5700 K	◆	•	•	
5000 K	◆	•	•	+
4000 K	◆	•	•	+
3500 K	◆	•	•	+
3000 K	◆	•	•	+
2700 K	◆	•	•	+
2200 K		▲	x	

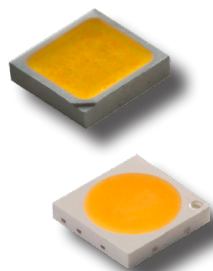
- = All J Series LEDs
- ◆ = All, except 2016 & JB2835 3-V W
- x = 2016, 2835 (3-V G, N, W & R, 9-V W & 18-V X)
- ▲ = x + 3030 6-V P
- + = 2016, 2835 (3-V N, P)

5050



Voltage Class	Series	Product / Class	Typ. Current (mA)	Typ. Voltage (V)	4000 K, 70 CRI		3000 K, 80 CRI		Max. Current (mA)
					Typical Flux (lm)	Typical LPW	Typical Flux (lm)	Typical LPW	
6-V	High Eff.	JR5050B / K	400	5.67	455	201	404	178	1000
	Standard	JR5050 / P	400	5.77	442	192	394	171	1000
		JR5050 / Q	400	5.8	425	183	385	166	1000
9-V	Standard	JR5050 / P	260	8.56	434	195	383	172	660
		JR5050 / Q	260	8.6	415	186	372	166	660
24-V	Standard	JR5050 / P	100	23.08	442	192	394	171	240
		JR5050 / Q	100	23.5	430	183	385	164	240
30-V	High Eff.	JR5050B / K	80	28.35	455	201	404	178	240
36-V	Standard	JR5050 / Q	65	34.5	415	185	372	166	165

3030



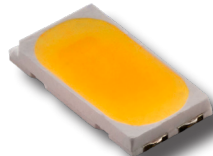
Voltage Class	Series	Product / Class	Typ. Current (mA)	Typ. Voltage (V)	4000 K, 70 CRI		3000 K, 80 CRI		Max. Current (mA)
					Typical Flux (lm)	Typical LPW	Typical Flux (lm)	Typical LPW	
3-V	High Eff.	JB3030 / B	65	2.70	38.3	218	34.1	194	480
		JB3030 / D	65	2.79	37.9	209	33.8	186	240
	Standard	JB3030 / P	65	2.81	35.7	196	31.7	174	240
		JK3030 / P	350	3.15	164	149	144	131	400
6-V	High Eff.	JK3030 / B	150	6.00	160	178	143	159	240
	Standard	JK3030 / P	150	6.05	155	171	139	153	240

2835



Voltage Class	Series	Product / Class	Typ. Current (mA)	Typ. Voltage (V)	4000 K, 80 CRI		3000 K, 80 CRI		Max. Current (mA)
					Typical Flux (lm)	Typical LPW	Typical Flux (lm)	Typical LPW	
3-V	High Eff.	JB2835B / G	55	2.67	31.8	217	29.9	204	480
		JB2835B / J	55	2.68	31.0	210	29.1	197	480
	Standard	JE2835B / N	150	2.86	78.1	182	73.8	172	240
		JE2835B / P	150	3.04	77.0	169	72	158	240
		JE2835 / R	150	2.95	73.5	166	70.5	159	240
	Value	JB2835 / W	60	2.91	30.4	174	29.1	167	150
6-V	Standard	JK2835 / P	150	6.07	154	169	146	160	240
	Value	JK2835B / W	150	6.35	137	144	131	138	200
9-V	Value	JK2835B / W	100	9.15	132	144	124	136	120
18-V	Value	JK2835 / X	50	18.2	126	138	119	131	60

5630



Voltage Class	Series	Product / Class	Typ. Current (mA)	Typ. Voltage (V)	4000 K, 70 CRI		3000 K, 80 CRI		Max. Current (mA)
					Typical Flux (lm)	Typical LPW	Typical Flux (lm)	Typical LPW	
3-V	High Eff.	JB5630 / H	65	2.71	38.3	217	34.5	196	240
	Standard	JB5630 / P	65	2.80	37.5	206	33.6	185	240

2016



Voltage Class	Series	Product / Class	Typ. Current (mA)	Typ. Voltage (V)	4000 K, 80 CRI		3000 K, 90 CRI		Max. Current (mA)
					Typical Flux (lm)	Typical LPW	Typical Flux (lm)	Typical LPW	
3-V	Standard	JB2016B / P	60	3.0	27.8	154	23.0	128	120