

J SERIES® WHITE LEDs

- Excellent value for general and specialty lighting applications in the industry's most common LED package sizes
- 3030S Pro9™ LEDs include high-efficiency, high-reliability 757-footprint 3030 3 V & 6 V LEDs with Samsung-compatible bins & dimensions
- JB3030C LEDs deliver highest J Series LPW in 301B/H-style footprint
- Cree LED's top-tier global IP indemnification

July 2026 (FS33R20)



JU7070B	JR5050C	Jx5050B	JR5050	JB3030C	Jx3030S	Jx3030 HE	Jx3030	Jx2835x	JB2016B
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7070

High LPW platform that can deliver over 2,000 lm for less optically-sensitive applications

Voltage Class	Product / Class	Typ. Current (mA)	Typ. Voltage (V)	4000 K, 70 CRI		3000 K, 80 CRI		Max. Current (mA)	CCT Min	CCT Max	CRI Options			
				Typical Flux (lm)	Typical LPW	Typical Flux (lm)	Typical LPW							
12-V	JU7070B / K	700	11.8	1,580	192	1,390	168	1200	2200K	6500K	70	80	90	
36-V	JU7070B / K	233	35.4	1,580	192	1,390	168	400	2200K	6500K	70	80	90	

5050

Great combination of LPW, lumen output, optical control & reliability for many outdoor applications

Voltage Class	Product / Class	Typ. Current (mA)	Typ. Voltage (V)	4000 K, 70 CRI		3000 K, 80 CRI		Max. Current (mA)	CCT Min	CCT Max	CRI Options			
				Typical Flux (lm)	Typical LPW	Typical Flux (lm)	Typical LPW							
6-V	JR5050C / E	400	5.63	480	213	424	188	1000	2200K	6500K	70	80	90	
	JK5050B / H	180	5.54	223	224	195	196	1000	2200K	6500K	70	80	90	
	JR5050B / K	400	5.67	455	201	404	178	1000	2700K	6500K	70	80	90	
	JR5050 / P	400	5.77	442	192	394	171	1000	2700K	6500K	70	80	90	
9-V	JR5050 / P	260	8.56	434	195	383	172	660	2700K	6500K	70	80	90	
24-V	JK5050B / H	45	22.16	223	224	195	196	250	2200K	6500K	70	80	90	
	JR5050 / P	100	23.08	442	192	394	171	240	2700K	6500K	70	80	90	
30-V	JR5050B / K	80	28.35	455	201	404	178	240	2700K	6500K	70	80	90	

3030

High-reliability LEDs featuring either 757-style or 301B/H-style (JB3030C) footprints

Voltage Class	Product / Class	Typ. Current (mA)	Typ. Voltage (V)	4000 K, 70 CRI		3000 K, 80 CRI		Max. Current (mA)	CCT Min	CCT Max	CRI Options			
				Typical Flux (lm)	Typical LPW	Typical Flux (lm)	Typical LPW							
3-V	JB3030C / E	55	2.66	35.4	242	31.6	216	240	2700K	6500K	70	80	90	
	JB3030C / F	55	2.67	34.1	232	30.6	208	240	2700K	6500K	70	80	90	
	JB3030S / G	65	2.71	38.7	220	35.5	202	480	2700K	6500K	70	80	90	
	JB3030S / J	65	2.74	37.9	213	34.0	191	480	2700K	6500K	70	80	90	
6-V	JK3030S / G	150	6.13	168	183	143	156	240	2700K	6500K	70	80	90	
	JK3030S / J	150	6.18	153	165	135	146	240	2700K	6500K	70	80	90	
	JK3030 / P	150	6.14	159	173	141	153	240	2200K	6500K	70	80	90	

3030 PRO9™

Up to 9% (80 CRI) / 24% (90 CRI) higher efficacy without sacrificing color rendering quality

Voltage Class	Product / Class	Typ. Current (mA)	Typ. Voltage (V)	4000 K, 80 CRI		3000 K, 90 CRI		Max. Current (mA)	CCT Min	CCT Max	CRI Options		
				Typical Flux (lm)	Typical LPW	Typical Flux (lm)	Typical LPW						
3-V	JB3030C / E	55	2.66	34.2	234	30.5	208	240	2700K	6500K	80	90	
	JB3030C / F	55	2.67	33.9	231	30.0	204	240	2700K	6500K	80	90	
	JB3030S / G	65	2.71	38.6	219	36.4	207	480	2700K	6500K	80	90	
	JB3030S / J	65	2.74	37.0	208	34.8	195	480	2700K	6500K	80	90	
6-V	JK3030S / G	150	6.13	160	174	141	153	240	2700K	6500K	80	90	
	JK3030S / J	150	6.18	152	164	132	143	240	2700K	6500K	80	90	

2835 PRO9™

Up to 9% (80 CRI) / 24% (90 CRI) higher efficacy without sacrificing color rendering quality

Voltage Class	Product / Class	Typ. Current (mA)	Typ. Voltage (V)	4000 K, 80 CRI		3000 K, 90 CRI		Max. Current (mA)	CCT Min	CCT Max	CRI Options		
				Typical Flux (lm)	Typical LPW	Typical Flux (lm)	Typical LPW						
3-V	JB2835B / F	65	2.70	39.8	227	36.2	206	480	2700K	6500K	80	90	
	JB2835B / G	55	2.67	33.0	225	29.4	200	480	2700K	6500K	80	90	
	JB2835B / J	55	2.68	32.0	217	29.0	197	480	2700K	6500K	80	90	
	JB2835B / N	55	2.70	31.1	209	28.4	191	240	2700K	6500K	80	90	
9-V	JE2835B / U	60	8.66	---	---	84.2	162	120	2700K	6500K		90	
	JK2835B / U	100	9.10	---	---	127	140	120	2700K	6500K		90	
18-V	JE2835B / P	30	17.0	---	---	88.5	174	60	2700K	6500K		90	

2835 STANDARD

Precision Dimming (simplified binning that improves light output and hue consistency when dimming LEDs to low current) available on 3-V J & N Class LEDs

Voltage Class	Product / Class	Typ. Current (mA)	Typ. Voltage (V)	4000 K, 80 CRI		3000 K, 80 CRI		Max. Current (mA)	CCT Min	CCT Max	CRI Options		
				Typical Flux (lm)	Typical LPW	Typical Flux (lm)	Typical LPW						
3-V	JB2835B / G	55	2.67	32.1	219	30.2	207	480	2200K	6500K	70	80	90
	JB2835B / J	55	2.68	31.0	210	29.1	197	480	2700K	6500K	70	80	90
	JE2835B / N	150	2.86	78.1	182	73.8	172	240	2200K	6500K	70	80	90
	JE2835 / R	150	2.95	73.5	166	70.5	159	240	2200K	6500K	70	80	90
	JE2835B / T	150	2.98	70	157	66	148	240	2700K	6500K		80	90
	JB2835 / W	60	2.91	30.4	174	29.1	167	150	2200K	6500K		80	90
	JB2835B / X	60	3.14	26.2	139	25.2	134	120	2700K	6500K		80	90
6-V	JK2835B / G	150	6.07	158	174	152	167	240	2200K	6500K	70	80	90
	JK2835 / P	150	6.07	154	169	146	160	240	2700K	6500K	70	80	90
	JK2835B / W	150	6.35	137	144	131	138	200	2700K	6500K	70	80	90
9-V	JK2835B / U	100	9.10	143	157	132	145	120	2200K	6500K		80	90
	JK2835B / W	100	9.15	132	144	124	136	120	2200K	6500K	70	80	90
18-V	JK2835B / U	50	18.1	141	156	133	147	60	2200K	6500K		80	90
	JK2835 / X	50	18.5	131	142	123	132	60	2200K	6500K	70	80	90

2016

Compact, thin package that is three times smaller than 2835 LEDs

Voltage Class	Product / Class	Typ. Current (mA)	Typ. Voltage (V)	4000 K, 80 CRI		3000 K, 80 CRI		Max. Current (mA)	CCT Min	CCT Max	CRI Options		
				Typical Flux (lm)	Typical LPW	Typical Flux (lm)	Typical LPW						
3-V	JB2016B / L	60	2.85	30.4	178	28.6	167	120	2200K	6500K	80	90	95
	JB2016B / P	60	3.0	27.8	154	26.5	147	120	2200K	6500K	80	90	95