J SERIES® WHITE LEDs

- Excellent value for general and specialty lighting applications in the industry's most common LED package sizes
- 3030S family LEDs are high efficacy 757-footprint LEDs that are compatible with Samsung LM30xD (3V/6V G Class) and LM30xZ+ (3V/6V J Class) designs
- JB3030C LEDs deliver highest J Series LPW in 301B/H-style footprint
- Cree LED's top-tier global IP indemnification

August 2025 (FS33R18)

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

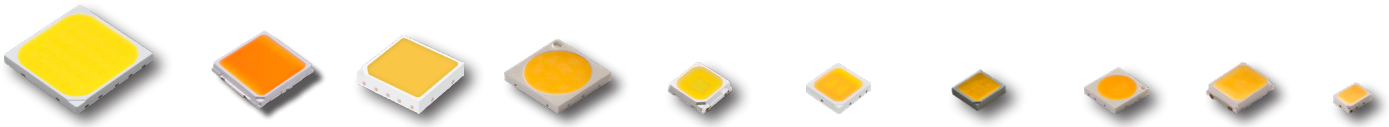
Voltage Class	Product / Class	Typ. Current (mA)	Typ. Voltage (V)	4000 K, 70 CRI		3000 K, 80 CRI		Max. Current (mA)	CCT Min	CCT Max	CRI Options			
				Typical Flux (lm)	Typical LPW	Typical Flux (lm)	Typical LPW							
6-V	JR5050C / E	400	5.63	480	213	424	188	1000	2200K	6500K	70	80	90	
	JK5050B / H	180	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	
	JR5050 / Q	400	5.8	425	183	385	166	1000	2700K	6500K	70	80	90	
9-V	JR5050 / P	260	8.56	434	195	383	172	660	2700K	6500K	70	80	90	
	JR5050 / Q	260	8.6	415	186	372	166	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	
	JR5050 / Q	100	23.5	430	183	385	164	240	2700K	6500K	70	80	90	
30-V	JR5050B / K	80	28.35	455	201	404	178	240	2700K	6500K	70	80	90	
36-V	JR5050 / Q	65	34.5	415	185	372	166	165	2700K	6500K	70	80	90	

3030 & 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	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	
	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	

© 2022-2025 Cree LED. All rights reserved. Cree®, the Cree logo, the Cree LED logo and J Series® are registered trademarks, and Pro9™ is a trademark, of Cree LED. J Series products are marketed by Cree LED for the benefit of Cree Venture LED Company Limited. This document is provided for informational purposes only and is not a warranty or specification. The information in this document is subject to change without notice.



JU7070B	JR5050C	Jx5050B	JR5050	JB3030C	Jx3030S	Jx3030 HE	Jx3030	Jx2835x	JB2016B

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	
	JB3030 HE / B	65	2.70	38.3	218	34.1	194	480	2700K	6500K	70	80	90	
	JB3030 HE / D	65	2.79	37.9	209	33.8	186	240	2700K	6500K	70	80	90	
	JB3030 / P	65	2.81	35.7	196	31.7	174	240	2700K	6500K	70	80	90	
	JK3030 / P	350	3.15	164	149	144	131	400	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 HE / B	150	6.00	160	178	143	159	240	2700K	6500K	70	80	90	
	JK3030 / P	150	6.14	159	173	141	153	240	2200K	6500K	70	80	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	95
	JE2835B / P	150	3.04	77	169	72	158	240	2700K	6500K	70	80	90	95
	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	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