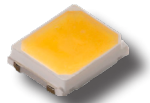


J SERIES® WHITE LEDs

- Excellent value for general and specialty lighting applications in the industry's most common LED package sizes
- Highest efficacy 2835 (3-V G Class) & 5050 (5050C E Class) LEDs available
- Typical light output & voltage specifications across the whole portfolio
- Cree LED's top-tier global IP indemnification

September 2023 (FS33R12)

2835 PRO9™



- Up to 24% higher efficacy for 90 CRI over standard version LEDs without sacrificing color rendering quality

| Voltage Class | Product / Class | Typ. Current (mA) | Typ. Voltage (V) | 4000 K, 90 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 / G | 55 | 2.67 | 30.5 | 208 | 29.4 | 200 | 480 | 2700K | 6500K | | | 90 |
| | JB2835B / J | 55 | 2.68 | 30.2 | 205 | 29.0 | 197 | 480 | 2700K | 6500K | | | 90 |
| | JB2835B / N | 55 | 2.70 | 29.4 | 198 | 28.4 | 191 | 240 | 2700K | 6500K | | | 90 |
| 9-V | JK2835B / U | 100 | 9.10 | 133 | 146 | 127 | 140 | 120 | 2700K | 6500K | | | 90 |

2835 PRECISION DIMMING

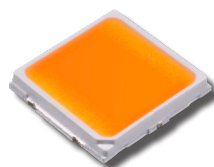
- Simplified binning that improves light output and hue consistency when dimming LEDs to low current

| 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 / J | 55 | 2.68 | 31.0 | 210 | 29.1 | 197 | 480 | 2700K | 6500K | | 80 | 90 |
| | JE2835B / N | 150 | 2.86 | 78.1 | 182 | 73.8 | 172 | 240 | 2700K | 6500K | | 80 | 90 |

2835 STANDARD

| 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 | 77.0 | 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 |
| | JB2835 / W | 60 | 2.91 | 30.4 | 174 | 29.1 | 167 | 150 | 2200K | 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 | 18.2 | 126 | 138 | 119 | 131 | 60 | 2200K | 6500K | 70 | 80 | 90 |

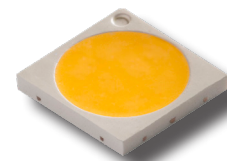
5050



JR5050C



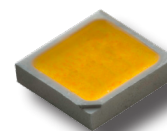
JR5050B



JR5050

| 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 | | | | 70 | 80 | 90 |
| 6-V | JR5050C / E | 400 | 5.63 | 480 | 213 | 424 | 188 | 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 | 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



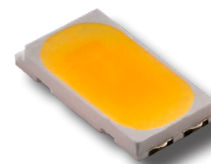
Jx3030 HE



Jx3030

| 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 | | | | 70 | 80 | 90 |
| 3-V | 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 | 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 |

5630 & 2016



| 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 | | | | 70 | 80 | 90 |
| 3-V | JB5630 / H | 65 | 2.71 | 36.8 | 209 | 34.5 | 196 | 240 | 2700K | 6500K | 70 | 80 | 90 |
| | JB5630 / P | 65 | 2.80 | 36.4 | 200 | 33.6 | 185 | 240 | 2700K | 6500K | 70 | 80 | 90 |
| | JB2016B / P | 60 | 3.0 | 27.8 | 154 | 26.5 | 147 | 120 | 2200K | 6500K | | 80 | 90 |