

Cree® J Series® 3030 LED Product Change Notification

Customer Name: JB3030 & JK3030 Standard Customers

PCN Reference Number: CVL-PCN-2003
Date Issued: March 31, 2020

Please be advised that Cree has qualified a Minor Change to the JB3030 and JK3030 Standard LEDs which does not impact their form, fit, function, or reliability, and Cree will begin shipping the affected products with the change immediately after the PCN Issue Date.

Please review the additional PCN information below.

Affected Product

Table 1 provides a list of products affected by this Major Change:

Table 1: Affected Products List

Cree Part Number
JB3030AWT-xx-0000-x0xAxxxxxxx
JK3030AWT-xx-0000-x0xAxxxxxxx
JK3030AWT-xx-0000-x0xBxxxxxxx

Description of the Change

The order codes have been changed. The bin codes are unchanged.

Table 2 to Table 4 provide lists of suitable replacement kits.

Table 2: Suitable Replacement Kit Codes – JB3030 3-V

CCT	CRI	Current Cree Part Number	New Cree Part Number
6500 K	70	JB3030AWT-00-0000-000A0BD465E	JB3030AWT-P-B65EA0000-N0000001
	80	JB3030AWT-00-0000-000A0HD365E	JB3030AWT-P-H65EA0000-N0000001
	90	JB3030AWT-00-0000-000A0UC565E	JB3030AWT-P-U65EA0000-N0000001
5700 K	70	JB3030AWT-00-0000-000A0BD457E	JB3030AWT-P-B57EA0000-N0000001
	80	JB3030AWT-00-0000-000A0HD357E	JB3030AWT-P-H57EA0000-N0000001
	90	JB3030AWT-00-0000-000A0UC557E	JB3030AWT-P-U57EA0000-N0000001
5000 K	70	JB3030AWT-00-0000-000A0BD450E	JB3030AWT-P-B50EA0000-N0000001
	80	JB3030AWT-00-0000-000A0HD350E	JB3030AWT-P-H50EA0000-N0000001
	90	JB3030AWT-00-0000-000A0UC550E	JB3030AWT-P-U50EA0000-N0000001
4000 K	70	JB3030AWT-00-0000-000A0BD440E	JB3030AWT-P-B40EA0000-N0000001
	80	JB3030AWT-00-0000-000A0HD340E	JB3030AWT-P-H40EA0000-N0000001
	90	JB3030AWT-00-0000-000A0UC540E	JB3030AWT-P-U40EA0000-N0000001
3500 K	70	JB3030AWT-00-0000-000A0BD335E	JB3030AWT-P-B35EA0000-N0000001
	80	JB3030AWT-00-0000-000A0HD235E	JB3030AWT-P-H35EA0000-N0000001
	90	JB3030AWT-00-0000-000A0UC435E	JB3030AWT-P-U35EA0000-N0000001
3000 K	70	JB3030AWT-00-0000-000A0BD330E	JB3030AWT-P-B30EA0000-N0000001
	80	JB3030AWT-00-0000-000A0HD230E	JB3030AWT-P-H30EA0000-N0000001
	90	JB3030AWT-00-0000-000A0UC430E	JB3030AWT-P-U30EA0000-N0000001
2700 K	70	JB3030AWT-00-0000-000A0BD227E	JB3030AWT-P-B27EA0000-N0000001
	80	JB3030AWT-00-0000-000A0HC527E	JB3030AWT-P-H27EA0000-N0000001
	90	JB3030AWT-00-0000-000A0UC327E	JB3030AWT-P-U27EA0000-N0000001

Table 3: Suitable Replacement Kit Codes – JK3030 3-V

CCT	CRI	Current Cree Part Number	New Cree Part Number
6500 K	70	JK3030AWT-00-0000-000A0BL465E	JK3030AWT-P-B65EA0000-N0000001
	80	JK3030AWT-00-0000-000A0HL265E	JK3030AWT-P-H65EA0000-N0000001
	90	JK3030AWT-00-0000-000A0UJ465E	JK3030AWT-P-U65EA0000-N0000001
5700 K	70	JK3030AWT-00-0000-000A0BL457E	JK3030AWT-P-B57EA0000-N0000001
	80	JK3030AWT-00-0000-000A0HL257E	JK3030AWT-P-H57EA0000-N0000001
	90	JK3030AWT-00-0000-000A0UJ457E	JK3030AWT-P-U57EA0000-N0000001
5000 K	70	JK3030AWT-00-0000-000A0BL450E	JK3030AWT-P-B50EA0000-N0000001
	80	JK3030AWT-00-0000-000A0HL250E	JK3030AWT-P-H50EA0000-N0000001
	90	JK3030AWT-00-0000-000A0UJ450E	JK3030AWT-P-U50EA0000-N0000001
4000 K	70	JK3030AWT-00-0000-000A0BL440E	JK3030AWT-P-B40EA0000-N0000001
	80	JK3030AWT-00-0000-000A0HL240E	JK3030AWT-P-H40EA0000-N0000001
	90	JK3030AWT-00-0000-000A0UJ440E	JK3030AWT-P-U40EA0000-N0000001
3500 K	70	JK3030AWT-00-0000-000A0BL235E	JK3030AWT-P-B35EA0000-N0000001
	80	JK3030AWT-00-0000-000A0HK435E	JK3030AWT-P-H35EA0000-N0000001
	90	JK3030AWT-00-0000-000A0UJ235E	JK3030AWT-P-U35EA0000-N0000001
3000 K	70	JK3030AWT-00-0000-000A0BK430E	JK3030AWT-P-B30EA0000-N0000001
	80	JK3030AWT-00-0000-000A0HK230E	JK3030AWT-P-H30EA0000-N0000001
	90	JK3030AWT-00-0000-000A0UH430E	JK3030AWT-P-U30EA0000-N0000001
2700 K	70	JK3030AWT-00-0000-000A0BK427E	JK3030AWT-P-B27EA0000-N0000001
	80	JK3030AWT-00-0000-000A0HK227E	JK3030AWT-P-H27EA0000-N0000001
	90	JK3030AWT-00-0000-000A0UH427E	JK3030AWT-P-U27EA0000-N0000001

Table 4: Suitable Replacement Kit Codes – JK3030 6-V

CCT	CRI	Current Cree Part Number	New Cree Part Number
6500 K	70	JK3030AWT-00-0000-000B0BL465E	JK3030AWT-P-B65EB0000-N0000001
	80	JK3030AWT-00-0000-000B0HL265E	JK3030AWT-P-H65EB0000-N0000001
	90	JK3030AWT-00-0000-000B0UJ465E	JK3030AWT-P-U65EB0000-N0000001
5700 K	70	JK3030AWT-00-0000-000B0BL457E	JK3030AWT-P-B57EB0000-N0000001
	80	JK3030AWT-00-0000-000B0HL257E	JK3030AWT-P-H57EB0000-N0000001
	90	JK3030AWT-00-0000-000B0UJ457E	JK3030AWT-P-U57EB0000-N0000001
5000 K	70	JK3030AWT-00-0000-000B0BL450E	JK3030AWT-P-B50EB0000-N0000001
	80	JK3030AWT-00-0000-000B0HL250E	JK3030AWT-P-H50EB0000-N0000001
	90	JK3030AWT-00-0000-000B0UJ450E	JK3030AWT-P-U50EB0000-N0000001
4000 K	70	JK3030AWT-00-0000-000B0BL440E	JK3030AWT-P-B40EB0000-N0000001
	80	JK3030AWT-00-0000-000B0HL240E	JK3030AWT-P-H40EB0000-N0000001
	90	JK3030AWT-00-0000-000B0UJ440E	JK3030AWT-P-U40EB0000-N0000001
3500 K	70	JK3030AWT-00-0000-000B0BL235E	JK3030AWT-P-B35EB0000-N0000001
	80	JK3030AWT-00-0000-000B0HK435E	JK3030AWT-P-H35EB0000-N0000001
	90	JK3030AWT-00-0000-000B0UJ235E	JK3030AWT-P-U35EB0000-N0000001
3000 K	70	JK3030AWT-00-0000-000B0BK430E	JK3030AWT-P-B30EB0000-N0000001
	80	JK3030AWT-00-0000-000B0HK230E	JK3030AWT-P-H30EB0000-N0000001
	90	JK3030AWT-00-0000-000B0UH430E	JK3030AWT-P-U30EB0000-N0000001
2700 K	70	JK3030AWT-00-0000-000B0BK427E	JK3030AWT-P-B27EB0000-N0000001
	80	JK3030AWT-00-0000-000B0HK227E	JK3030AWT-P-H27EB0000-N0000001
	90	JK3030AWT-00-0000-000B0UH427E	JK3030AWT-P-U27EB0000-N0000001

Cree will be changing the typical forward voltage for JB3030 and JK3030 Standard LEDs. Table 5 shows the current and new values.

Table 5: Current and New Values

CRI	Typical Forward Voltage	
	Current	New
JB3030 3-V Standard	2.8 V @65 mA, 25 °C	2.81 V @65 mA, 25 °C
JK3030 3-V Standard	3.2 V @350 mA, 25 °C	3.15 V @350 mA, 25 °C
JK3030 6-V Standard	6 V @150 mA, 25 °C	6.05 V @150 mA, 25 °C

Cree will be changing the maximum DC forward current for JK3030 6-V Standard LEDs. Table 6 shows the current and new values

Table 6: Current and New Values

CRI	Maximum DC Forward Current	
	Current	New
JK3030 6-V Standard	200 mA	240 mA

Reason for Change

The change is being implemented to achieve back-end efficiency, improve future-proof logic and increase intuitiveness of order codes.

The typical forward voltage change is being made to give greater precision for our customers.

The JK3030 6-V Standard LEDs maximum DC forward current change is being made to provide greater design flexibility for our customers.

Change Impact on Form, Fit, Function, or Reliability

There is no change to the form, fit, function, or reliability of JB3030 and JK3030 Standard LEDs.

We will begin shipping the affected products with the change immediately after the PCN Issue Date. Customers are asked to use the new order codes to place orders. The previous order codes will be invalid after September 30, 2020.

The JK3030 6-V Standard LEDs maximum DC forward current change is applicable for current and new LED shipments of JK3030 6-V Standard LEDs.

Cree Contact Information

If you have any questions regarding this PCN please contact:

Table 7: PCN Contact

Cree Contact:	LEDs Customer Service
Cree Contact E-Mail:	xlampsales@cree.com
Address:	4600 Silicon Dr. Durham, NC 27703 USA

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