

Product Change Notification

CLD-PC09

**Part Number Change for Cree® High Brightness LEDs
Announced: April 3, 2009**

Effective: Immediately

The following order codes are affected by this announcement:

LC374TWN1-25P-A1	LC512TWN1-25P-A1	L05SMTBL4-B0G-A2
LC374TWN1-25Q-A1	LC512TWN1-25Q-A1	L05SMTHR4-B0G-A
LC374TWN1-35P-A1	LC513FWH1-60Q-A0	L05SMTPG4-B0G-A2
LC374TWN1-35Q-A1	LC534TWN1-D0Q-A1	L05SMTYL4-B0G-A
LC374TWN1-65P-A1	LC535KWH1-B0Q	LP377FBL1-70G
LC374TWN1-65Q-A1	LC543KWH1-20Q	LP377FPG1-70G
LC503FBL1-15P-A3	LM1-FBL1-11-N5	LP377FWH1-60G
LC503FBL1-15Q-A3	LM1-FPG1-11-N5	LP377FWH1-90G
LC503FBL1-30P-A3	LM1-FWH1-01-N5	LP377MHR1-60G
LC503FBL1-30Q-A3	LM1-KWH1-01-N5	LP377THR1-40G
LC503FPG1-15P-A3	LM1-PBL1-01-N1	LP377THR1-70G-01
LC503FPG1-15Q-A3	LM1-PPG1-01-N1	LP377THR1-A0G
LC503FPG1-30P-A3	LM1-PPP1-01-N1	LP377TYL1-40G
LC503FPG1-30Q-A3	LM1-PRG1-01-N2	LP377TYL1-70G-01
LC503FWH1-15P-A0	LM1-PRG1-0B-N2	LP377TYL1-A0G
LC503FWH1-15Q-A0	LM1-PWN1-01-N1	LP377UHR1-40G-01
LC503KWH1-15Q	LM1-THR1-01-N1	LP377UHR1-70G-01
LC503PPG1-30P	LM1-THR1-11-N1	LP377UHR1-A0G-01
LC503PPG1-30Q	LM2-TYL1-F1-N1	LP377UYL1-40G-01
LC503PY01-30Q	LM3-EWH1-01-N2	LP377UYL1-70G-01
LC503TBL1-15P-A1	LM3-FWH1-01-N5	LP377UYL1-A0G-01
LC503TBL1-15Q-A1	LM3-FWR1-01-N5	LP379PPG1-C0G-03
LC503THR1-15P-A1	LM3-KWH1-01-N2	LP379THR1-C0G
LC503THR1-15Q-A1	LM3-PBL1-01-N1	LP379UHR1-C0G-01
LC503THR1-30H	LM3-PWN1-01-N1	LP379UYL1-C0G-01
LC503THR1-30P-A	LM6-PBL1-3B-N1	LP476THR1-90G-01
LC503TPG1-15P-A1	LM6-PPG1-3B-N1	LP476UHR1-90G-01
LC503TPG1-15Q-A1	LM6-THR1-3B-N1	LP476UYL1-90G-01
LC503TPG1-30P-A1	LN6-FWH1-06-N2	LP6-FWH1-03-T5
LC503TPG1-30Q-A1	LN6-FWR1-06-N2	LP6-FWR1-03-T5
LC503TWN1-15Q-A0	L0566PBL4-60G	LP6-PPP1-01-N1
LC503TWN1-15Q-A1	L0566TBL4-60G	LP6-PPP2-01-N1
LC503TWN1-50P-A1	L0566TBL4-60H	LP6-PWN1-03-N1
LC503TWN1-50Q-A1	L0566THR4-60G	LP6-PWR1-03-N1
LC503TYL1-30P-A1	L0566THR4-70G-A2	LP6-UFF2-0B-T5
LC503UHR1-15P-A	L0566TPG4-60G	LP6-UHR1-03-T1
LC503UHR1-15Q-A	L0566TPG4-60H	LV1-FWH1-01-N5
LC503UHR1-23Q	L0566TPG4-60H	LV1-FWH1-02-N5
LC503UHR1-30P-A	L0566TYL4-60G	LV1-FWR1-01-N5
LC503UHR1-30Q-A	L0566TYL4-70G-A1	LV1-UKK2-0B-N5
LC503UYL1-15P-A	L05SMPBL4-B0G-A3	LV302TWN1-H0Q-A
LC503UYL1-15Q-A	L05SMPHR4-B0G-A	
	L05SMPPG4-B0G-A3	



Description

Effective immediately, Cree has changed the official part numbering and binning schemes for the part numbers listed on the first page. The physical products have not changed. All specifications – including optical, electrical, mechanical, thermal characteristics and appearance – remain identical through this change.

Through this process, Cree is standardizing the bins used for color (either dominant wavelength (DWL) or chromaticity), light output and voltage across each major package type. The minimum and maximum values for the new bin structures may not align perfectly with the previous bin structures. Please refer to the new part number data sheet for specific bin details.

In addition, some of the typical values reported on the data sheet have been updated on the new data sheets. This is not an indication of product change, but is a reflection of better production information.

Impact of Change

Cree will continue to ship the old bins against the old order codes until May 31, 2009. Cree will continue to honor the old order codes still in use beyond May 31, 2009.

However, effective June 1, 2009, Cree will ship LEDs that are binned and labeled with the new part numbering system against old order codes. Cree will ship the closest equivalent new bins that fit within the specifications of the old order code.

In order to avoid confusion, Cree recommends that customers of the affected part numbers switch to the new order code system before June 1, 2009. To aid in the conversion process, the following pages have tables that list the equivalent part numbers for both the old and new part number systems. Also, the last page of this notification is a reference sheet that details the structure of the first 2 groups of the new part number system.



Translation of Old Part Number to New Part Number

P2 Round 3mm

Old Part Number	New Part Number
LC374TWN1-25P-A1	C374T-WNS
LC374TWN1-25Q-A1	C374T-WNN
LC374TWN1-35P-A1	C374T-WPS
LC374TWN1-35Q-A1	C374T-WPN
LC374TWN1-65P-A1	C374T-WQS
LC374TWN1-65Q-A1	C374T-WQN
LV302TWN1-H0Q-A	C302T-WRN

P2 Round 5mm

Old Part Number	New Part Number
LC503FBL1-15P-A3	C503B-BAS
LC503FBL1-15Q-A3	C503B-BAN
LC503FBL1-30P-A3	C503B-BCS
LC503FBL1-30Q-A3	C503B-BCN
LC503FPG1-15P-A3	C503B-GAS
LC503FPG1-15Q-A3	C503B-GAN
LC503FPG1-30P-A3	C503B-GCS
LC503FPG1-30Q-A3	C503B-GCN
LC503FWH1-15P-A0	C503C-WAS
LC503FWH1-15Q-A0	C503C-WAN
LC503KWH1-15Q	C503B-WAN
LC503PPG1-30P	C503S-GCS
LC503PPG1-30Q	C503S-GCN
LC503PYO1-30Q	C503S-PCN
LC503TBL1-15P-A1	C503T-BAS
LC503TBL1-15Q-A1	C503T-BAN
LC503THR1-15P-A1	C503T-RAS
LC503THR1-15Q-A1	C503T-RAN
LC503THR1-30H	C503T-RCN
LC503THR1-30P-A	C503T-RCS
LC503TPG1-15P-A1	C503T-GAS

Old Part Number	New Part Number
LC503TPG1-15Q-A1	C503T-GAN
LC503TPG1-30P-A1	C503T-GCS
LC503TPG1-30Q-A1	C503T-GCN
LC503TWN1-15Q-A0	C503R-WAN
LC503TWN1-15Q-A1	C503T-WAN
LC503TWN1-50P-A1	C503T-WTS
LC503TWN1-50Q-A1	C503T-WTN
LC503TYL1-30P-A1	C503T-ACS
LC503UHR1-15P-A	C503B-RAS
LC503UHR1-15Q-A	C503B-RAN
LC503UHR1-23Q	C503B-RBN
LC503UHR1-30P-A	C503B-RCS
LC503UHR1-30Q-A	C503B-RCN
LC503UYL1-15P-A	C503B-AAS
LC503UYL1-15Q-A	C503B-AAN
LC512TWN1-25P-A1	C512T-WNS
LC512TWN1-25Q-A1	C512T-WNN
LC513FWH1-60Q-A0	C513A-WSN
LC534TWN1-D0Q-A1	C534T-WLN
LC535KWH1-B0Q	C535A-WJN
LC543KWH1-20Q	C543A-WMN



Translation of Old Part Number to New Part Number (continued)

P2 Oval 5mm

Old Part Number	New Part Number
LO566PBL4-60G	C566S-BES
LO566TBL4-60G	C566T-BES
LO566TBL4-60H	C566T-BEN
LO566THR4-60G	C566T-RES
LO566THR4-70G-A2	C566T-RFS
LO566TPG4-60G	C566T-GES
LO566TPG4-60H	C566T-GEN
LO566TYL4-60G	C566T-AES
LO566TYL4-70G-A1	C566T-AFS
LO5SMPBL4-B0G-A3	C5SMB-BJS
LO5SMPHR4-B0G-A	C5SMA-RJS
LO5SMPPG4-B0G-A3	C5SMS-GJS
LO5SMTBL4-B0G-A2	C5SMT-BJS
LO5SMTHR4-B0G-A	C5SMB-RJS
LO5SMTPG4-B0G-A2	C5SMB-GJS
LO5SMTYL4-B0G-A	C5SMB-AJS

P4

Old Part Number	New Part Number
LP377FBL1-70G	CP41B-BFS
LP377FPG1-70G	CP41B-GFS
LP377FWH1-60G	CP41B-WES
LP377FWH1-90G	CP41B-WGS
LP377MHR1-60G	CP41S-RES
LP377THR1-40G	CP41T-RDS
LP377THR1-70G-01	CP41T-RFS
LP377THR1-A0G	CP41T-RHS
LP377TYL1-40G	CP41T-ADS
LP377TYL1-70G-01	CP41T-AFS
LP377TYL1-A0G	CP41T-AHS
LP377UHR1-40G-01	CP41B-RDS

Old Part Number	New Part Number
LP377UHR1-70G-01	CP41B-RFS
LP377UHR1-A0G-01	CP41B-RHS
LP377UYL1-40G-01	CP41B-ADS
LP377UYL1-70G-01	CP41B-AFS
LP377UYL1-A0G-01	CP41B-AHS
LP379PPG1-C0G-03	CP42S-GKS
LP379THR1-C0G	CP42T-RKS
LP379UHR1-C0G-01	CP42B-RKS
LP379UYL1-C0G-01	CP42B-AKS
LP476THR1-90G-01	CP43T-RGS
LP476UHR1-90G-01	CP43B-RGS
LP476UYL1-90G-01	CP43B-AGS



Translation of Old Part Number to New Part Number (continued)

SMD

Old Part Number	New Part Number
LM1-FBL1-11-N5	CLM4B-BKW
LM1-FPG1-11-N5	CLM4B-GKW
LM1-FWH1-01-N5	CLM1C-WKW
LM1-KWH1-01-N5	CLM1C-WKW
LM1-PBL1-01-N1	CLM1S-BKW
LM1-PPG1-01-N1	CLM1S-GKW
LM1-PPP1-01-N1	CLPPA-FKB
LM1-PRG1-01-N2	CLM4S-DKW
LM1-PRG1-0B-N2	CLM4S-DKB
LM1-PWN1-01-N1	CLM1S-WKW
LM1-THR1-01-N1	CLM1T-RKW
LM1-THR1-11-N1	CLM4T-RKW
LM2-TYL1-F1-N1	CLM2T-AEW
LM3-EWH1-01-N2	CLM3A-WKW
LM3-FWH1-01-N5	CLM3C-WKW
LM3-FWR1-01-N5	CLM3C-MKW
LM3-KWH1-01-N2	CLM3A-WKW
LM3-PBL1-01-N1	CLM3S-BKW
LM3-PWN1-01-N1	CLM3S-WKW

Old Part Number	New Part Number
LM6-PBL1-3B-N1	CLM6S-BKB
LM6-PPG1-3B-N1	CLM6S-GKB
LM6-THR1-3B-N1	CLM6T-RKB
LN6-FWH1-06-N2	CLN6A-WKW
LN6-FWR1-06-N2	CLN6A-MKW
LP6-FWH1-03-T5	CLP6B-WKW
LP6-FWR1-03-T5	CLP6B-MKW
LP6-PPP1-01-N1	CLP6S-FKW
LP6-PPP2-01-N1	CLP6R-FKW
LP6-PWN1-03-N1	CLP6S-WKW
LP6-PWR1-03-N1	CLP6S-MKW
LP6-UFF2-0B-T5	CLP6C-FKB
LP6-UHR1-03-T1	CLP6C-RKW
LV1-FWH1-01-N5	CLA1A-WKW
LV1-FWH1-02-N5	CLA2A-WKW
LV1-FWR1-01-N5	CLA1A-MKW
LV1-UKK2-0B-N5	CLV1A-FKB



New Part Number Reference Guide

CAAAB-DEG-ZHHKKNMNT

Group 1 (CAAAB) = Product Series

C = Order Code Type		AAA = Part Type								B = Performance
Value	Meaning	P2			P4		SMD			Performance scale
		Type	Value	Old PNs	Value	Old PNs	Type	Value	Size	
C	Standard	3mm Round	374	LC374	P41	LP377	PLCC2	LM3	2.7 x 2.0	LM3
S	Special / Custom	5mm Round	503	LC503	P42	LP379		LM1	3.2 x 2.7	LM-01
			512	LC512	P43	LP476	PLCC4	LA1/2	3.2 x 2.8	
			513	LC513				LV1	3.2 x 2.8	
			534	LC534				LM2	3.2 x 2.7	LM2
			535	LC535				LM4	3.2 x 2.7	LM-11
		4mm Oval	4SM	LO494			PLCC6	LM6	3.3 x 3.5	LM6
		5mm Oval	5SM	LO5SM				LU6	3.3 x 3.5	LU6
			566	LO566				LP6	6.0 x 5.0	LP6
								LN6	5.0 x 5.0	

Group 2 (DEG) = Options

D = Color	
Value	Meaning
A	Amber
B	Blue
D	Red & Green
F	RGB
G	Green
M	Warm White
P	Orange
R	Red
W	Cool White

E = Viewing Angle	
Value	Meaning
A	15°
B	23°
C	30°
D	40°
E	60°
F	70°
G	90°
H	100°
I	105°
J	110°
K	120°
L	130°

G = Options	
Value	Meaning
S	Standoff / Stopper
N	No Standoff / No Stopper
B	Black Face
W	White Face
A	Black Body