

TRACKING #	PCN-000003	TYPE OF CHANGE	End of life Notification	DATE OF PCN	8/24/2020
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DESCRIPTION OF CHANGE	CBT-120 Blue and Green LEDs discontinued and replaced by PT-120 Blue and Green which are of same physical package dimensions and same or better flux performance
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DETAILS OF CHANGE

Dear Customer:

You are receiving this letter due to an upcoming change affecting the CBT-120-G and CBT-120-B series that our records indicate you have purchased in the past 24 months.

The CBT-120 parts listed in *Affected Product List* will be discontinued and replaced by equivalent PT-120 parts listed in section of *Affected Product List* and *Replacement Part Numbers* table in next page of this document.

The PT-120 has been a product series of Luminus specialty portfolio for many years and relates to the CBT-120 as follows

- same physical dimensions as CBT-120 [drop-in compatible]
- same or better flux performance as CBT-120.
- wavelength range is a subset to that of CBT-120 (backwards compatible).
- Lower thermal resistance than the CBT-120 by usage of improve die attach material and process, benefiting long term reliability.

Both products differ by production test condition:

- The PT-120 products are tested at pulse mode 25% duty cycle for Blue and 50% for Green at 30A, 40C heatsink temperature.
- The CBT-120-G/B products are tested at 18A DC, 40C heatsink condition

Flux Bin of CBT-120 and PT-120

Color	CBT-120		Corresponded PT-120 flux bins		
	Flux bin	Min. Flux (lm)	Flux bin	Min, Flux (lm) ¹	Min. Flux (lm) ²
Green	CJ	1500	5K	4400	2800
	CK	2000			
	CM	2300			
Blue	DJ	250	5F	750	500
	DK	350	5F	750	500
	DM	450	5G	815	540
	DN	575	5H	880	590
	DP	700	5L	1070	720

Notes 1: PT-120 datasheet condition flux specification
2: PT-120 flux reference at test condition of CBT-120 datasheet

REASON FOR CHANGE



CHANGE COMMUNICATION

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Sudden obsolescence of material used for CBT-120 die attach and portfolio rationalization.		
AFFECTED PRODUCT LIST		REPLACEMENT PART NUMBERS
CBT-120-G-C11-JJ200		PT-120-G-L11-MPK
CBT-120-G-C11-JJ201		PT-120-G-L11-MPK
CBT-120-G-C11-JK200		PT-120-G-L11-MPK
CBT-120-G-C11-JK201		PT-120-G-L11-MPK
CBT-120-G-C11-JM200		PT-120-G-L11-MPK
CBT-120-G-C11-JM200		PT-120-G-L11-MPK
CBT-120-B-C11-KJ300		PT-120-B-L11-EPF
CBT-120-B-C11-KJ301		PT-120-B-L11-EPF101
CBT-120-B-C11-KK300		PT-120-B-L11-EPF
CBT-120-B-C11-KK301		PT-120-B-L11-EPF101
CBT-120-B-C11-KM300		PT-120-B-L11-EPF
CBT-120-B-C11-KM301		PT-120-B-L11-EPF101
CBT-120-B-C11-KN300		PT-120-B-L11-EPF
CBT-120-B-C11-KN301		PT-120-B-L11-EPF101
ANTICIPATED IMPACT ON FORM FIT, FUNCTION, QUALITY OR RELIABILITY		
No impact on form fit, function, quality or reliability other than a reduction in thermal resistance		
Refer to <i>Flux Bin</i> table above, and section of <i>Affected Product List</i> and <i>Replacement Part Numbers</i> for corresponding flux bins and ordering part numbers, respectively.		
SCHEDULE OF Qualifications		
Actions	Status	Result
N/A	N/A	N/A
DATE OF AVAILABILITY OF QUALIFICATION DATA	N/A	
DATE OF AVAILABILITY OF QUALIFICATION SAMPLES	Available	



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	Contact your Luminus Sales representative or Distributor for PT-120-B or PT-120-G samples
METHOD OF IDENTIFYING CHANGED PRODUCT	N/A. PT-120 products have their own part numbers as documented in their product datasheet
PLACE LAST PURCHASE ORDER BY	Due to limitations in raw materials availability, Luminus may only be able to support Limited last-order quantities of the CBT-120 product. PT-120 products should seamlessly replace their CBT equivalent and Luminus is committed to work closely with affected customers to facilitate and accelerate the transition.
DATE OF IMPLEMENTATION	PCN Effective date: 8/24/2020 With the limitations and constraints stated above related to last order size, Luminus will accept last orders until 10/31/2020 PCN expiration date: 10/31/2020