



Product Change Notification Form (PCN)

FRM-000621 - Rev 2

TRACKING #	PCN-000018	TYPE OF CHANGE	Major	DATE OF PCN	2/3/2021
DESCRIPTION OF CHANGE	<ul style="list-style-type: none">- Transfer of Manufacturing site for certain Luminus LEDs- Addition of second source for key LED components- Epitaxial material improvement				
DETAILS OF CHANGE <p>Dear Customer:</p> <p>You are receiving this notification because an upcoming 5M changes for LEDs you have purchased in the past 24 months:</p> <ul style="list-style-type: none">- The affected products as listed in this letter are packaged by a long-term Contract Manufacturing (CM) partner of Luminus and will be transferred from their Taiwan plant to their facility in the Philippines. The plant in the Philippines has been producing similar LED series for Luminus for over 10 years with an excellent track record and offers larger production capacity.- Luminus is introducing second source vendor for the high current connector use in the affected LEDs.- The epitaxial material for these part is being upgraded to address obsolescence issues. While Luminus is doing is best to limit the impact of this change, some specification parameters will change as a result of this action.					
REASON FOR CHANGE <ul style="list-style-type: none">- Manufacturing plant transfer to the Philippines is motivated by production rationalization and access to higher capacity. The plant in Taiwan will remain qualified for producing Luminus LEDs and is part of Luminus business contingency plan.- Second source connector supplier has been qualified as part of Luminus efforts to implement dual sourcing for critical components (business contingency planning).- Change in epitaxial material is motivated by obsolescence of current material and production equipment. The replacement material is largely equivalent but will result in some specification adjustments.					
AFFECTED PRODUCT LIST					
CBT-90					
CBT-90-G-L11-B100 CBT-90-G-L11-CM100 CBT-90-G-L11-CM101 CBT-90-G-L11-CM102 CBT-90-G-L11-CM102B					



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ANTICIPATED IMPACT ON FORM FIT, FUNCTION, QUALITY OR RELIABILITY		
<ul style="list-style-type: none">- The change of manufacturing location and second source high current connector have no impact on form, fit, function or reliability.- The new connector may result in slight cosmetic differences or color shade under specific lighting conditions.- The change in epitaxial material will result in a reduction in the forward voltage of the LED, which will translate in reduced power consumption and heat dissipation. Minimum and maximum Vf specifications will be reduced accordingly. Other product characteristics are expected to be largely equivalent. Please contact Luminus to receive updated product datasheets.		
SCHEDULE		
Deliverable	Status	Result
Updated Product datasheet	pending	Completed by 2/19/2021
DATE OF AVAILABILITY OF QUALIFICATION DATA	6/30/2021	
DATE OF AVAILABILITY OF QUALIFICATION SAMPLES	4/30/2021	
METHOD OF IDENTIFYING CHANGED PRODUCT	Serial number provides full traceability.	
PLACE LAST PURCHASE ORDER BY	NA	
DATE OF IMPLEMENTATION	Products affected by these changes might start shipping on July 15 th 2021 or earlier if approved by the customer. Due to normal manufacturing transition considerations, products from both sites might be shipping concurrently for a period of time.	

TO BE FILLED BY CUSTOMER	
Date of PCN Acknowledgement	
Name /Title	
Signature	
<ul style="list-style-type: none">- Please acknowledge receipt of the PCN within 30 days of delivery of the PCN.- Lack of acknowledgement of the PCN within 30 days constitutes acceptance of the change.	