



Date: April 18th, 2017

Description: Emergency PCN: change of window from monolithic “window + frame” type to discrete window + frame for UV chip on board series

Dear Customer:

You are receiving this letter due to an upcoming change in manufacturing affecting the Luminus UV chip-on-board (COB) CBM and CBT series that our records indicate you have purchased in the past 24 months.

Affected devices as listed later in this document are currently assembled using a monolithic window + frame component to protect the UV LED chip(s). Luminus has been experiencing recurring supply issues with this component that have affected and continue to affect our ability to meet customer committed delivery dates for the UV COB series. Luminus has worked with our supplier to identify fixes to this situation but unfortunately results remain unsatisfactory to us and our customers.

Luminus is as a result implementing a transition to a two-piece, discrete “window + frame” that has been fully qualified for use in new UV products moving forward. The proposed discrete solution is largely backwards compatible with a minor dimensional exception that requires customer review. The attached technical presentation documents the proposed change and addresses any minor compatibility concern for your verification.

Since this issue is affecting Luminus deliveries, Luminus is proceeding with an emergency PCN and is planning to ship products with the proposed discrete “window + frame” within 30 days of this notice for select products, unless customers have requested an extension to Luminus. Luminus continues to assemble products with the monolithic window based on availability and will do its best to support customers that need longer transition times, even though quantities might be limited due to component supply constraints.

1. Affected Products

Products series listed below are under the scope of this notification:

- CBT-120-UV-C31
- CBM-120-UV-C31
- CBM-40-UV-C32
- CBT-39-UV-C32

Please refer to the addendum of this document for a list of all ordering part numbers affected by this change.

2. Purpose

- Address on-going supply limitations of existing component

3. Scope of changes

Ordering Part Number	No change. Parts manufactured at the new location will ship against the same part number as current products.
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PRODUCT CHANGE NOTIFICATION

Product Specification	No change in parametric or mechanical specifications.
LED chip production facility	No change.
LED package assembly and test	No change.
5M changes	None. Man: No change. Machine: No change. Method: No change. Materials: Addition of window frame. Window material unchanged Measurement: No change.
Anticipated impact on Form, Fit, Function, Quality or Reliability (positive / negative):	Please refer to attached technical material for minor window dimensional difference. All other functional aspects of the products and its reliability are unchanged.
Environmental compliance & Materials	Unchanged. As with all Luminus LED products, UV series are built in compliance with an extensive range of standards including: <ul style="list-style-type: none">- RoHS- REACH- Conflict Minerals (DRC – US Dodd Frank Act)
Country Of Origin (COO)	Unchanged
Shipping location	Unchanged

4. Identification of products

Products using the proposed discrete window + frame can visually be distinguished from parts built using a monolithic window.

5. Schedule

Due to supply limitations of the current component, Luminus will start shipping parts with the discrete frame + window approach starting May 22nd 2017. Customers requiring additional time for approval and acceptance should contact Luminus to discuss a mutually agreeable schedule.

Thank you for using Luminus LED products and please contact your local sales representative or Luminus Customer Service (cs@luminus.com) if you have questions regarding this notification.

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PRODUCT CHANGE NOTIFICATION

Addendum

List of affected part numbers			
CBM-120-UV-C31-FA365-21	CBM-120-UV-C31-K380-21	CBM-40-UV-C32-BC365-21	CBM-40-UV-C32-EB385-22
CBM-120-UV-C31-FA365-22	CBM-120-UV-C31-K380-22	CBM-40-UV-C32-BC365-22	CBM-40-UV-C32-EB390-21
CBM-120-UV-C31-FB365-21	CBM-120-UV-C31-K385-21	CBM-40-UV-C32-CA365-21	CBM-40-UV-C32-FA365-21
CBM-120-UV-C31-FB365-22	CBM-120-UV-C31-K390-21	CBM-40-UV-C32-CA365-22	CBM-40-UV-C32-FA365-22
CBM-120-UV-C31-GA365-21	CBM-120-UV-C31-K390-22	CBM-40-UV-C32-CB365-21	CBM-40-UV-C32-FA385-21
CBM-120-UV-C31-GA365-22	CBM-120-UV-C31-K395-21	CBM-40-UV-C32-CB365-22	CBM-40-UV-C32-FA385-22
CBM-120-UV-C31-GB365-21	CBM-120-UV-C31-K400-21	CBM-40-UV-C32-CC365-21	CBM-40-UV-C32-FA390-21
CBM-120-UV-C31-GB365-22	CBM-120-UV-C31-K400-22	CBM-40-UV-C32-CC365-22	CBT-39-UV-C32-DA400-21
CBM-120-UV-C31-H365-21	CBM-120-UV-C31-K405-21	CBM-40-UV-C32-CC385-22	CBT-39-UV-C32-DA400-22
CBM-120-UV-C31-H365-22	CBM-120-UV-C31-L380-21	CBM-40-UV-C32-DA365-21	CBT-39-UV-C32-DA405-21
CBM-120-UV-C31-I365-21	CBM-120-UV-C31-L380-22	CBM-40-UV-C32-DA365-22	CBT-39-UV-C32-DB400-21
CBM-120-UV-C31-I365-22	CBM-120-UV-C31-L385-21	CBM-40-UV-C32-DA385-21	CBT-39-UV-C32-DB400-22
CBM-120-UV-C31-I380-21	CBM-120-UV-C31-L390-21	CBM-40-UV-C32-DA385-22	CBT-39-UV-C32-DB405-21
CBM-120-UV-C31-I380-22	CBM-120-UV-C31-L390-22	CBM-40-UV-C32-DA390-21	CBT-39-UV-C32-DC400-21
CBM-120-UV-C31-I385-21	CBM-120-UV-C31-L395-21	CBM-40-UV-C32-DB365-21	CBT-39-UV-C32-DC400-22
CBM-120-UV-C31-I390-21	CBM-120-UV-C31-L400-21	CBM-40-UV-C32-DB365-22	CBT-39-UV-C32-DC405-21
CBM-120-UV-C31-I390-22	CBM-120-UV-C31-L400-22	CBM-40-UV-C32-DB385-21	CBT-39-UV-C32-EA400-21
CBM-120-UV-C31-I395-21	CBM-120-UV-C31-L405-21	CBM-40-UV-C32-DB385-22	CBT-39-UV-C32-EA400-22
CBM-120-UV-C31-I400-21	CBM-120-UV-C31-M380-21	CBM-40-UV-C32-DB390-21	CBT-39-UV-C32-EA400-22F
CBM-120-UV-C31-I400-22	CBM-120-UV-C31-M380-22	CBM-40-UV-C32-DC365-21	CBT-39-UV-C32-EA405-21
CBM-120-UV-C31-I405-21	CBM-120-UV-C31-M385-21	CBM-40-UV-C32-DC365-22	CBT-39-UV-C32-EB400-21
CBM-120-UV-C31-J380-21	CBM-120-UV-C31-M390-21	CBM-40-UV-C32-DC385-21	CBT-39-UV-C32-EB400-22
CBM-120-UV-C31-J380-22	CBM-120-UV-C31-M390-22	CBM-40-UV-C32-DC385-22	CBT-39-UV-C32-EB405-21
CBM-120-UV-C31-J385-21	CBM-120-UV-C31-M395-21	CBM-40-UV-C32-DC390-21	CBT-39-UV-C32-FA400-21
CBM-120-UV-C31-J390-21	CBM-120-UV-C31-M400-21	CBM-40-UV-C32-EA365-21	CBT-39-UV-C32-FA400-22
CBM-120-UV-C31-J390-22	CBM-120-UV-C31-M400-22	CBM-40-UV-C32-EA365-22	CBT-39-UV-C32-FA405-21
CBM-120-UV-C31-J395-21	CBM-120-UV-C31-M405-21	CBM-40-UV-C32-EA385-21	CBT-39-UV-C32-FB400-21
CBM-120-UV-C31-J400-21		CBM-40-UV-C32-EA385-22	CBT-39-UV-C32-FB400-22
CBM-120-UV-C31-J400-22		CBM-40-UV-C32-EA390-21	CBT-39-UV-C32-FB405-21
CBM-120-UV-C31-J405-21		CBM-40-UV-C32-EB365-21	CBT-39-UV-C32-GA400-21
		CBM-40-UV-C32-EB365-22	CBT-39-UV-C32-GA400-22
		CBM-40-UV-C32-EB385-21	CBT-39-UV-C32-GA405-21

* Please note that some part number may now be obsolete. Please refer to the product datasheet for a list of currently active part numbers.

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PRODUCT CHANGE NOTIFICATION

List of affected part numbers (cont.)
CBT-120-UV-C31-M382-21
CBT-120-UV-C31-M382-22
CBT-120-UV-C31-M387-21
CBT-120-UV-C31-N382-22
CBT-120-UV-C31-N400-21
CBT-120-UV-C31-N400-22
CBT-120-UV-C31-N405-21
CBT-120-UV-C31-P382-22
CBT-120-UV-C31-P400-21
CBT-120-UV-C31-P400-22
CBT-120-UV-C31-P405-21
CBT-120-UV-C31-Q382-22
CBT-120-UV-C31-Q400-21
CBT-120-UV-C31-Q400-22
CBT-120-UV-C31-Q405-21
CBT-120-UV-C31-R382-22
CBT-120-UV-C31-R400-21
CBT-120-UV-C31-R400-22
CBT-120-UV-C31-R405-21
CBT-120-UV-C31-S400-21
CBT-120-UV-C31-S400-22
CBT-120-UV-C31-S405-21

* Please note that some part number may now be obsolete. Please refer to the product datasheet for a list of currently active part numbers.