

## Lumileds Luxeon K2 LED Lamp Teardown and Technology Analysis

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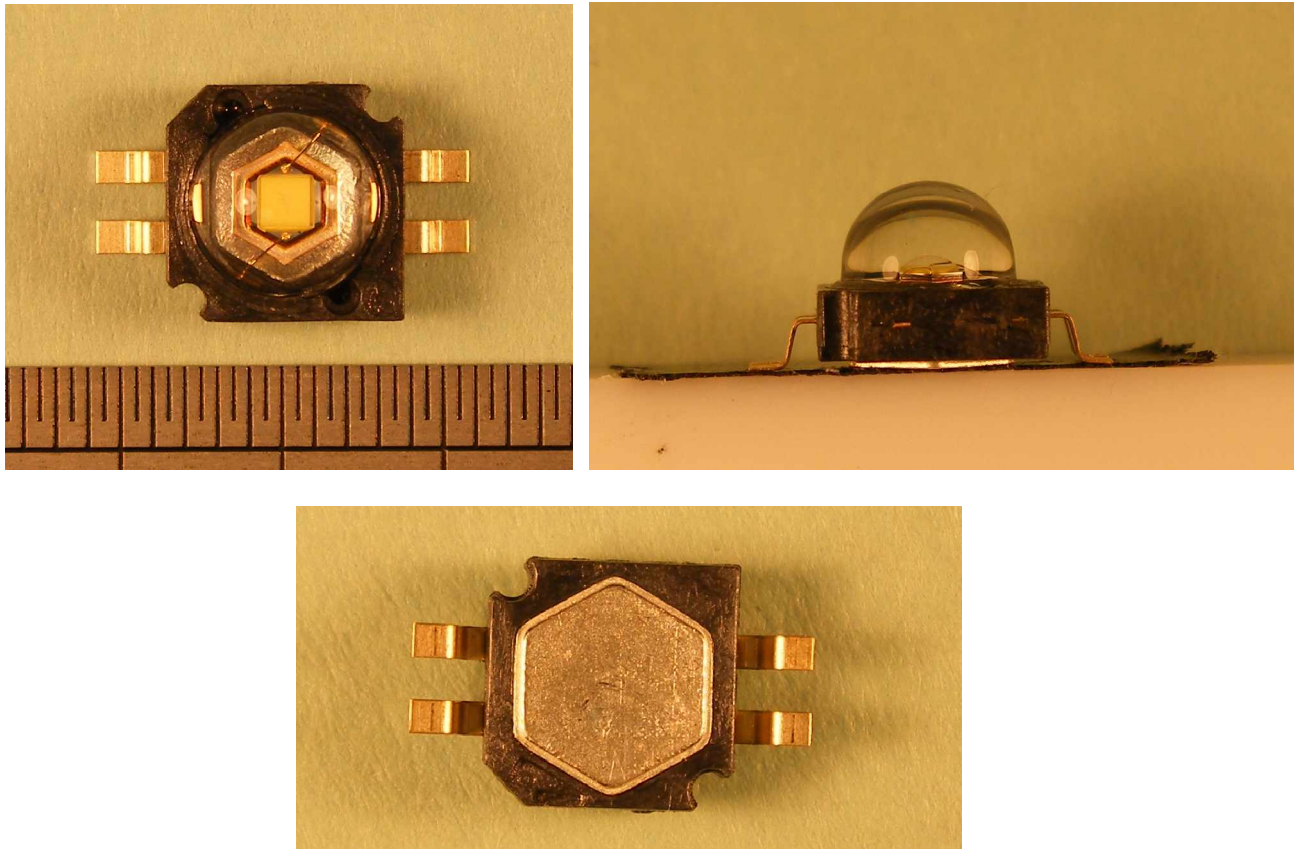
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## 1. Product Identification

The device subject to teardown for this work is a “cool white” Luxeon K2 surface-mount LED. This is not the TFFC version of the K2. Other colours of the basic K2 are expected to differ in active layer semiconductor material and device metallization, and in phosphor layer presence and specification, but to be broadly similar to the product examined.

Manufacturer	Device ID	Date/Lot code
Lumileds	Luxeon LXX2-PW14-U00	0652

## 2. External Appearance and Principal Dimensions



*Figure 2.1 Top, side, and bottom views, with a scale in 0.5 mm increments. No branding or date code is seen on the device.*

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