



# LUXEON CoB with CrispWhite Technology (Gen 2)



Fashion retail lighting that makes an impact, revealing the whitest whites



The second generation of LUXEON CoB with CrispWhite Technology creates the most impactful retail lighting ever available, by revealing the whitest whites. LUXEON CoB with CrispWhite Technology delivers a natural crisp whiteness by activating Fluorescent Whitening Agents (FWAs) in paints and fabrics to attractively display merchandise in retail shops; ideal for CDM/CMH replacement.

## FEATURES AND BENEFITS

- Lumen packages from 500 to 5,000 lumens for a range of options
- Industry's smallest Light Emitting Surface (LES) for highest flux densities
- Up to 4x lower thermal resistance than competitors, enabling smaller heatsinks and higher lumens
- Contains violet LEDs and does NOT contain UV LEDs for minimal amount of damage, much lower than any traditional CDM shop lighting
- Mouse bites for M2 and M3 make it easy to work with

## PRIMARY APPLICATIONS

- Spotlights
- Track Lights
- Downlights
- Retrofit Lamps

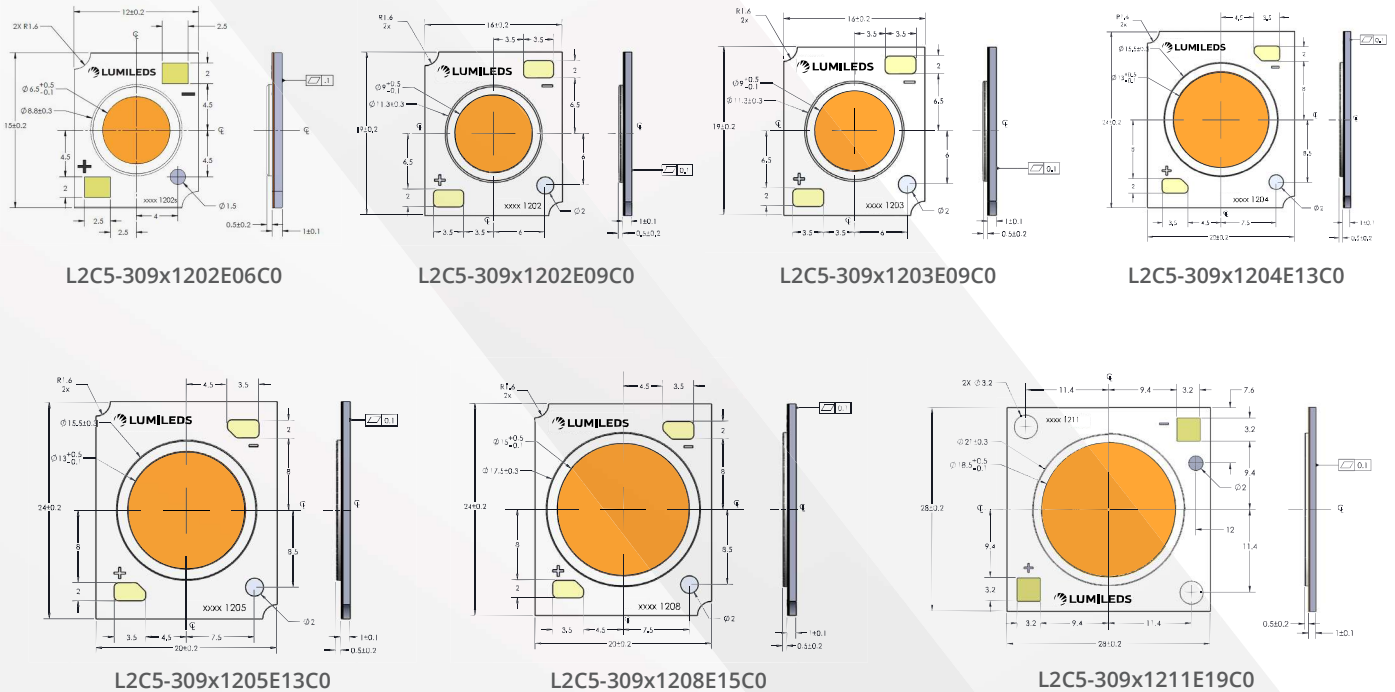
LUXEON CoB with CrispWhite Technology (Gen 2) product performance at specified test current,  $T_j=85^\circ\text{C}$ .

| PRODUCT          | NOMINAL CCT | MINIMUM CRI [1, 2] | LUMINOUS FLUX [1, 3] (lm) |         | TYPICAL LUMINOUS EFFICACY (lm/W) | TEST CURRENT (mA) | LES [4] (mm) | PART NUMBER        |
|------------------|-------------|--------------------|---------------------------|---------|----------------------------------|-------------------|--------------|--------------------|
|                  |             |                    | MINIMUM                   | TYPICAL |                                  |                   |              |                    |
| LUXEON CoB 1202s | 3000K       | 90                 | 586                       | 651     | 93                               | 200               | 6            | L2C5-30901202E06C0 |
| LUXEON CoB 1202  | 3000K       | 90                 | 611                       | 679     | 97                               | 200               | 9            | L2C5-30901202E09C0 |
| LUXEON CoB 1203  | 3000K       | 90                 | 905                       | 1006    | 96                               | 300               | 9            | L2C5-30901203E09C0 |
|                  |             | 95                 | 896                       | 996     | 95                               |                   |              | L2C5-30951203E09C0 |
| LUXEON CoB 1204  | 3000K       | 90                 | 1421                      | 1579    | 99                               | 450               | 13           | L2C5-30901204E13C0 |
| LUXEON CoB 1205  | 3000K       | 90                 | 1845                      | 2050    | 97                               | 600               | 13           | L2C5-30901205E13C0 |
|                  |             | 95                 | 1827                      | 2030    | 97                               |                   |              | L2C5-30951205E13C0 |
| LUXEON CoB 1208  | 3000K       | 90                 | 2750                      | 3056    | 97                               | 900               | 15           | L2C5-30901208E15C0 |
|                  |             | 95                 | 2783                      | 3092    | 98                               |                   |              | L2C5-30951208E15C0 |
| LUXEON CoB 1211  | 3000K       | 90                 | 3794                      | 4215    | 100                              | 1200              | 19           | L2C5-30901211E19C0 |
|                  |             | 95                 | 3756                      | 4173    | 99                               |                   |              | L2C5-30951211E19C0 |

Notes:

1. Lumileds maintains a tolerance of  $\pm 2$  on CRI and  $\pm 6.5\%$  on luminous flux measurements.
2. Typical CRI is approximately 2 points higher than the minimum CRI specified, but this is not guaranteed.
3. Maximum luminous flux is 10% above typical luminous flux.
4. Light Emitting Surface (LES) is the inner diameter (phosphor area) inside the dam.

Mechanical Dimensions.



Notes:

1. Drawings are not scale.
2. All dimensions are in millimeters.

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