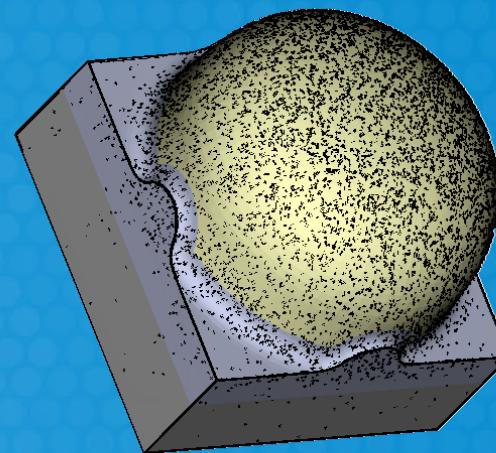


LUXEON C ES Color

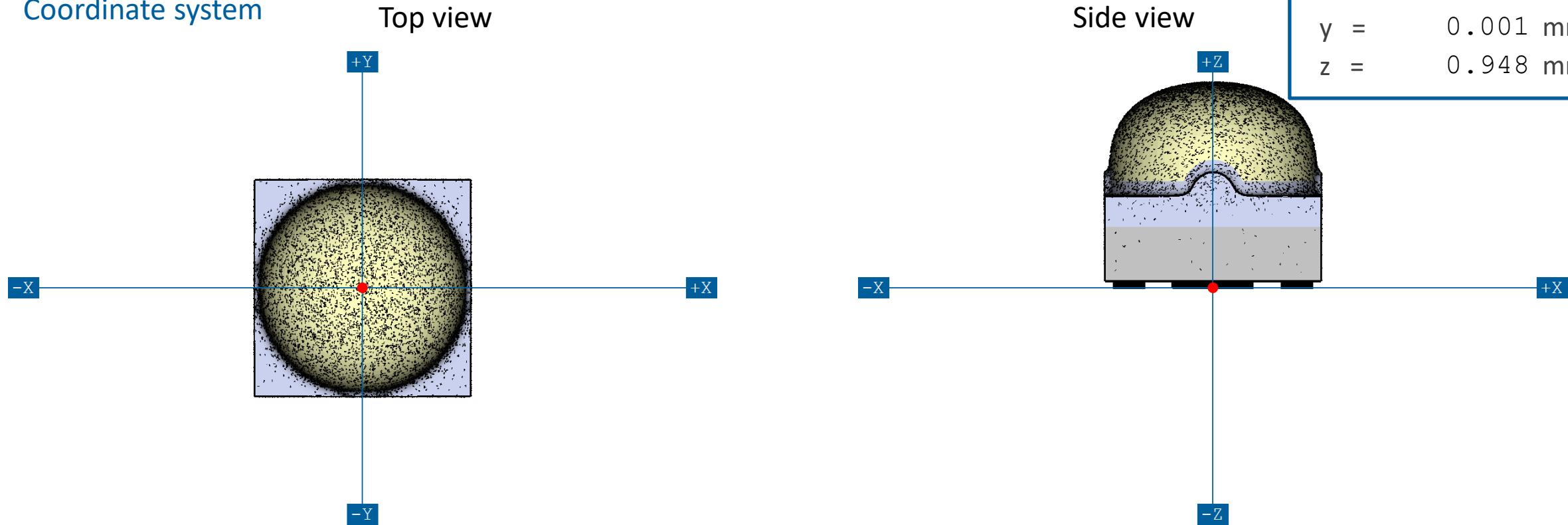
Optical Rayset Readme

Dec 10th, 2024



LUXEON C ES Color Blue

Coordinate system

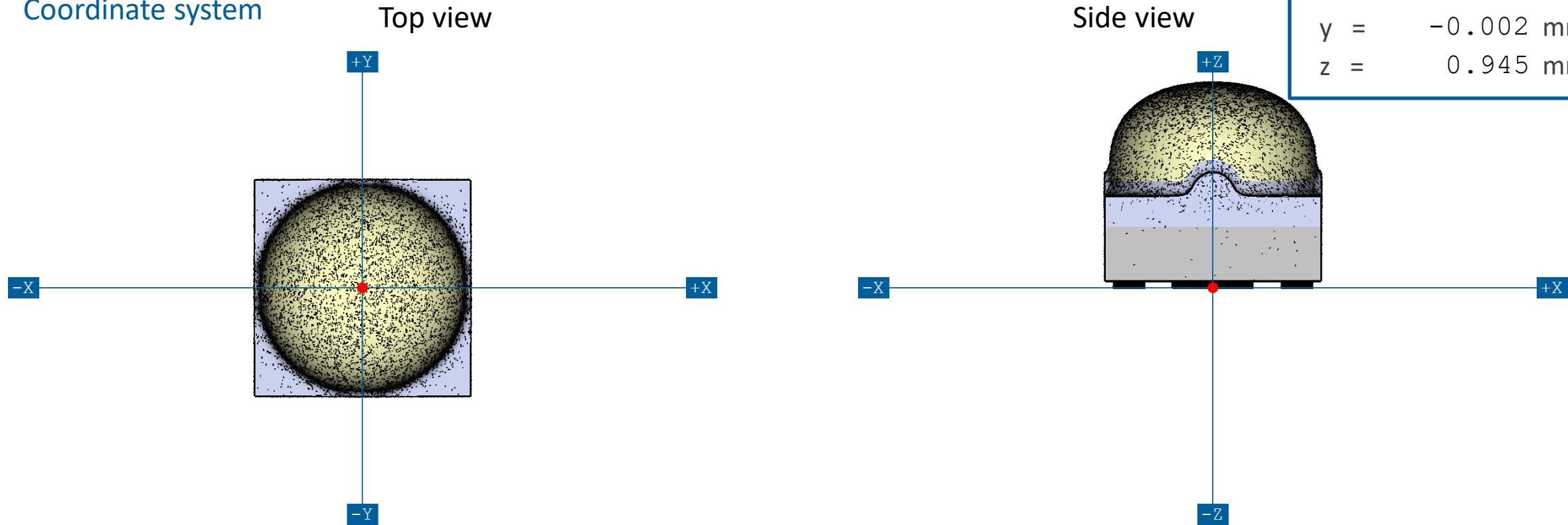


**CAD file and rayset files share the same coordinate system,
the origin is marked by the red dot in the sketches above:**

xy center == center of light emitting area
z=0 plane == Bottom of package

LUXEON C ES Color Cyan

Coordinate system



Pseudo focal point

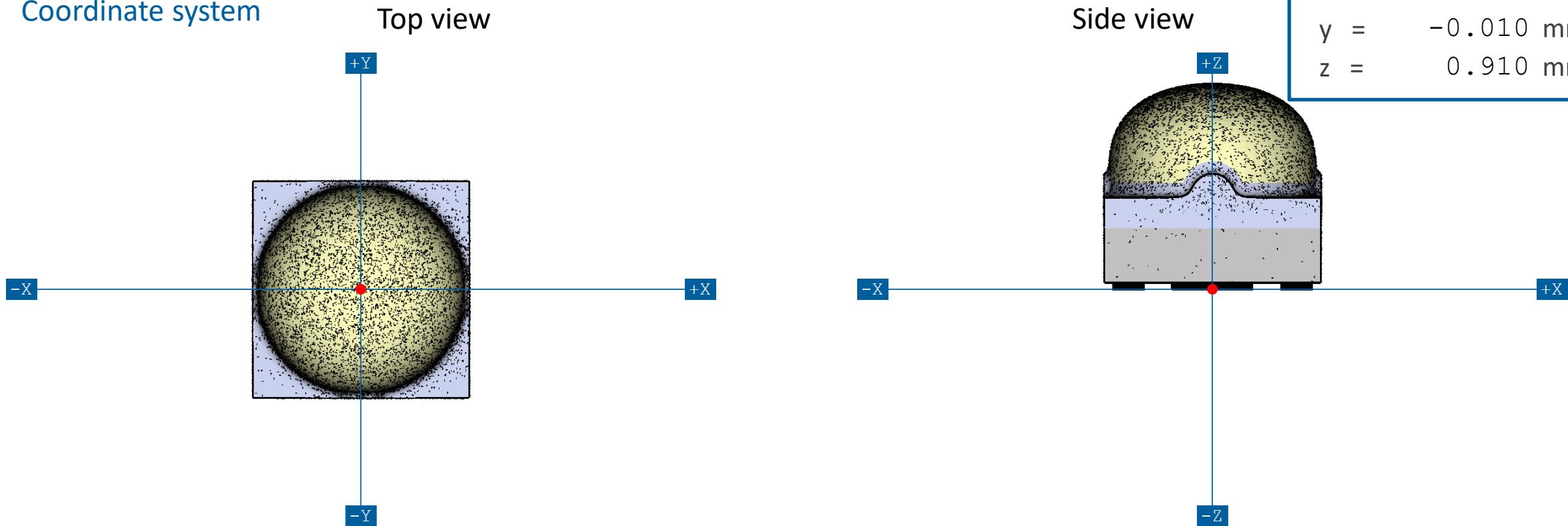
x =	-0.003 mm
y =	-0.002 mm
z =	0.945 mm

**CAD file and rayset files share the same coordinate system,
the origin is marked by the red dot in the sketches above:**

xy center == center of light emitting area
z=0 plane == Bottom of package

LUXEON C ES Color Deep Red

Coordinate system



Pseudo focal point

x =	0.096 mm
y =	-0.010 mm
z =	0.910 mm

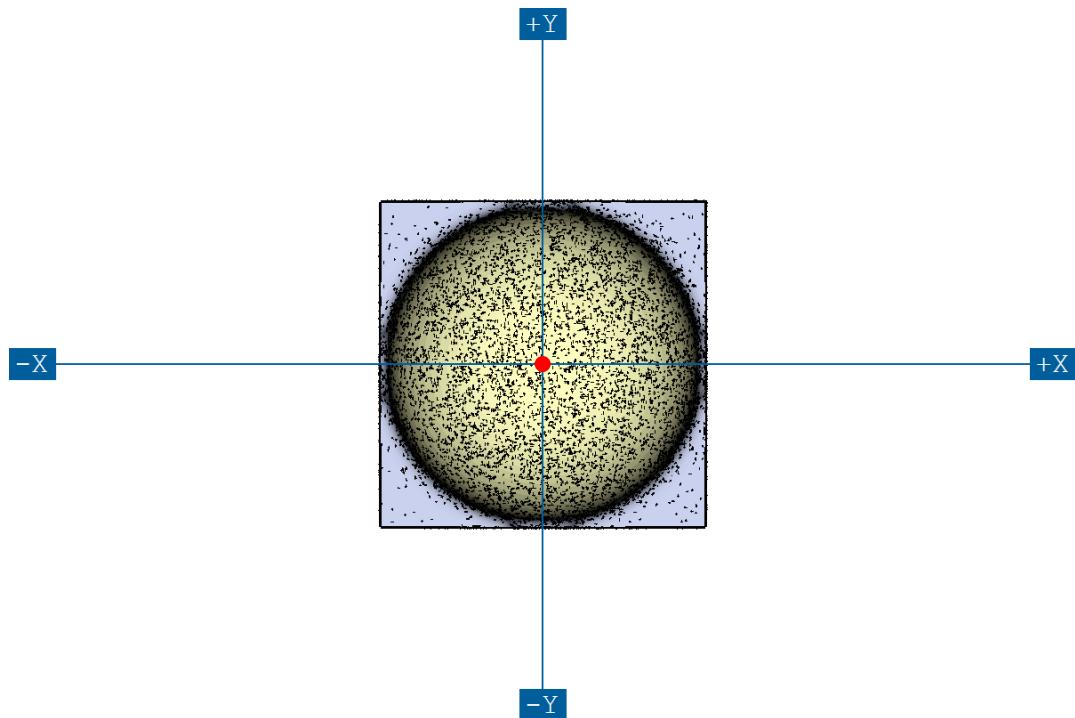
**CAD file and rayset files share the same coordinate system,
the origin is marked by the red dot in the sketches above:**

xy center == center of light emitting area
z=0 plane == Bottom of package

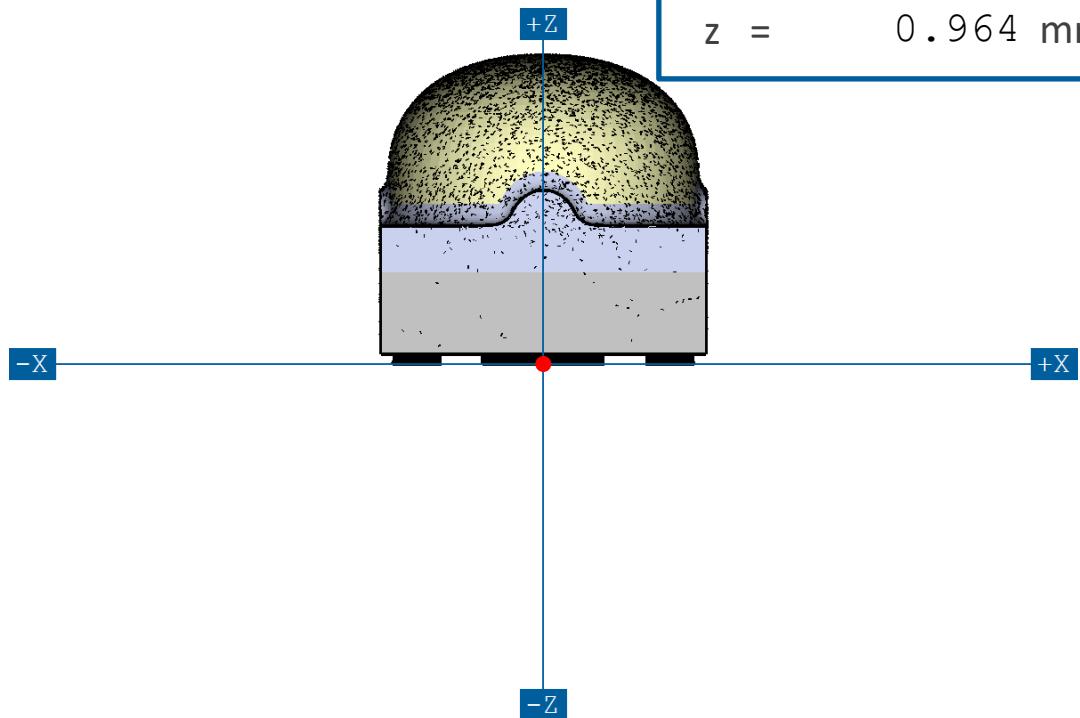
LUXEON C ES Color Green

Coordinate system

Top view



Side view



Pseudo focal point

x =	0.020 mm
y =	0.003 mm
z =	0.964 mm

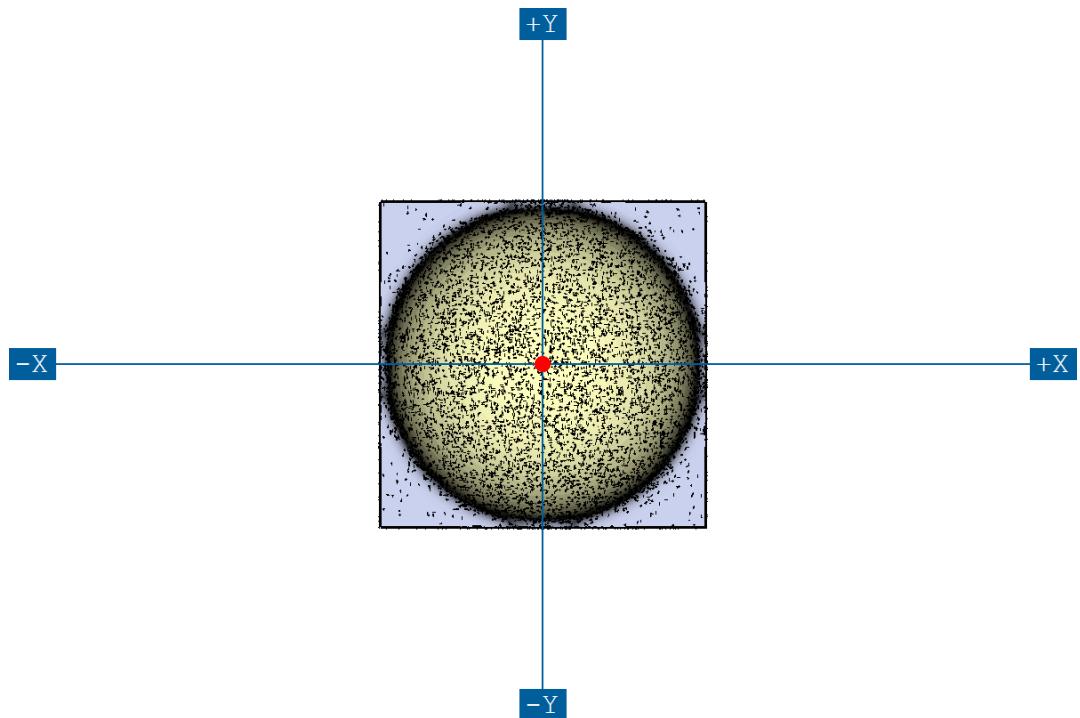
CAD file and rayset files share the same coordinate system,
the origin is marked by the red dot in the sketches above:

xy center == center of light emitting area
z=0 plane == Bottom of package

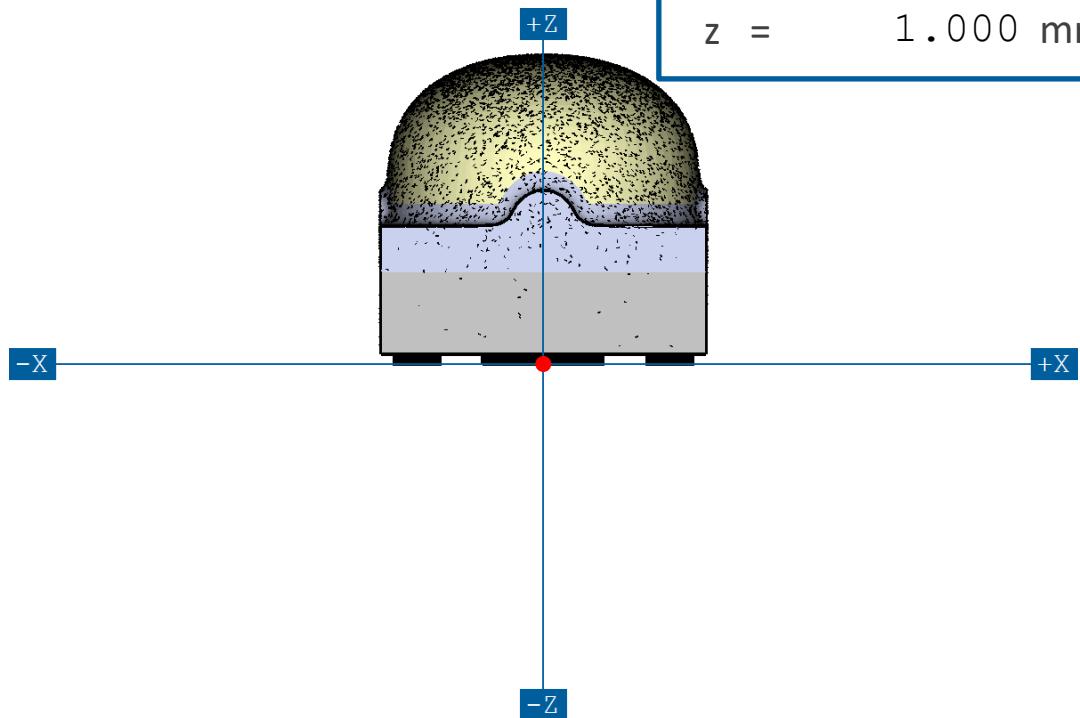
LUXEON C ES Color Mint

Coordinate system

Top view



Side view



Pseudo focal point

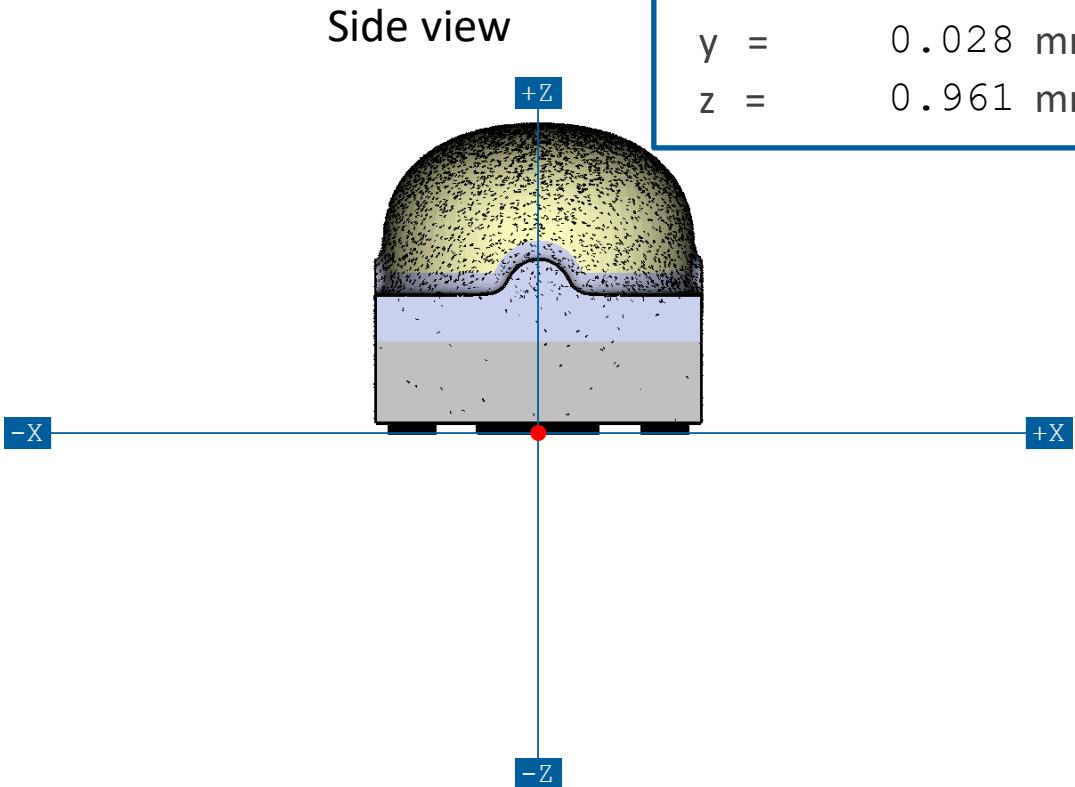
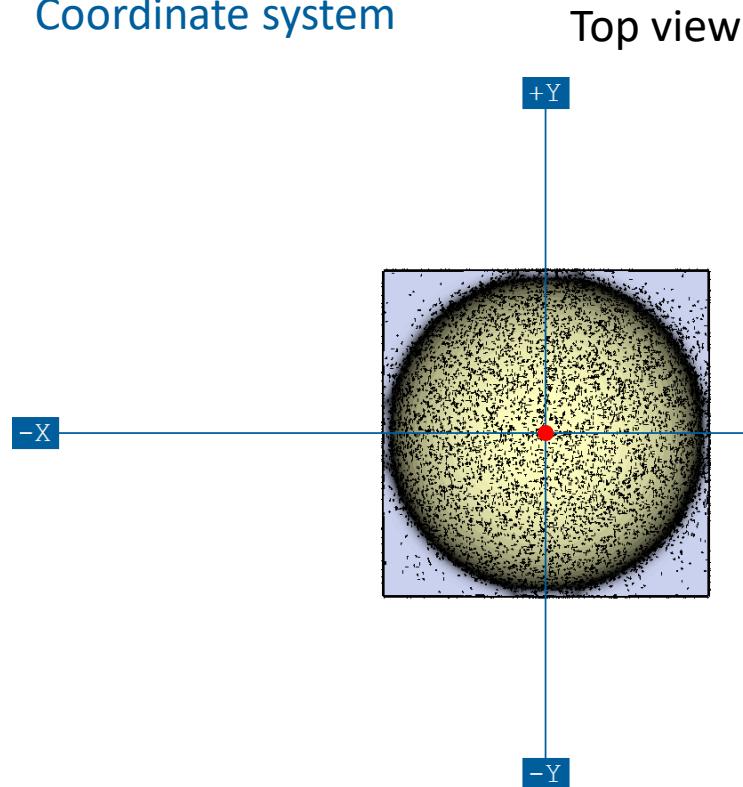
x =	0.021 mm
y =	-0.004 mm
z =	1.000 mm

**CAD file and rayset files share the same coordinate system,
the origin is marked by the red dot in the sketches above:**

xy center == center of light emitting area
z=0 plane == Bottom of package

LUXEON C ES Color Red

Coordinate system



Pseudo focal point

x =	0.101 mm
y =	0.028 mm
z =	0.961 mm

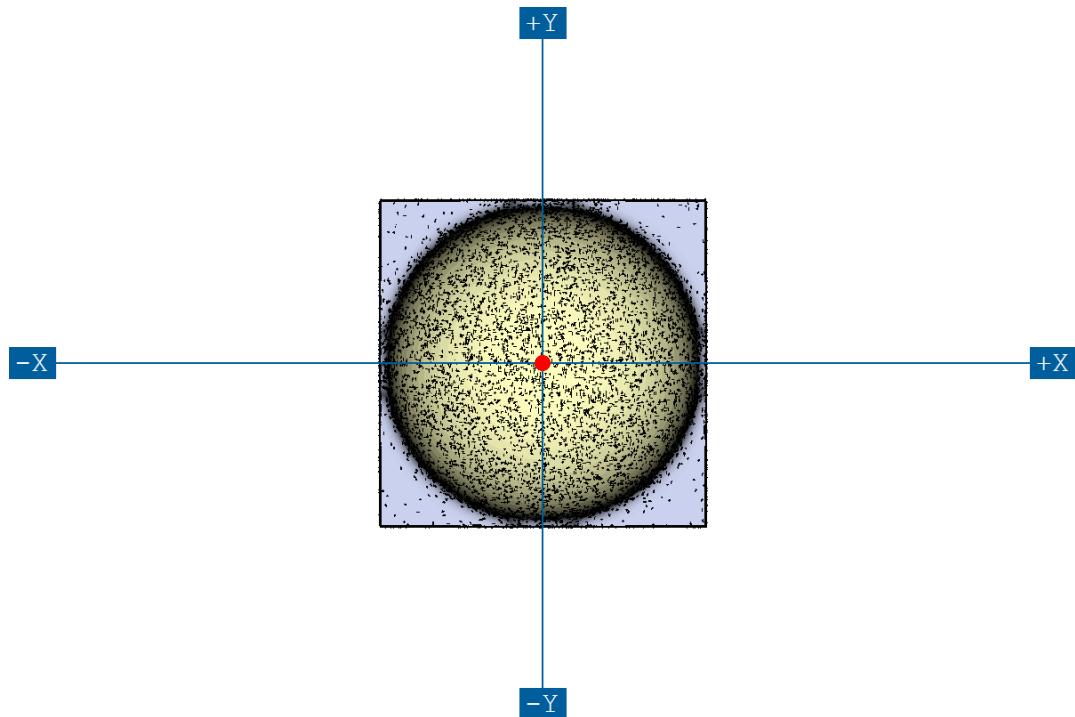
CAD file and rayset files share the same coordinate system,
the origin is marked by the red dot in the sketches above:

xy center == center of light emitting area
z=0 plane == Bottom of package

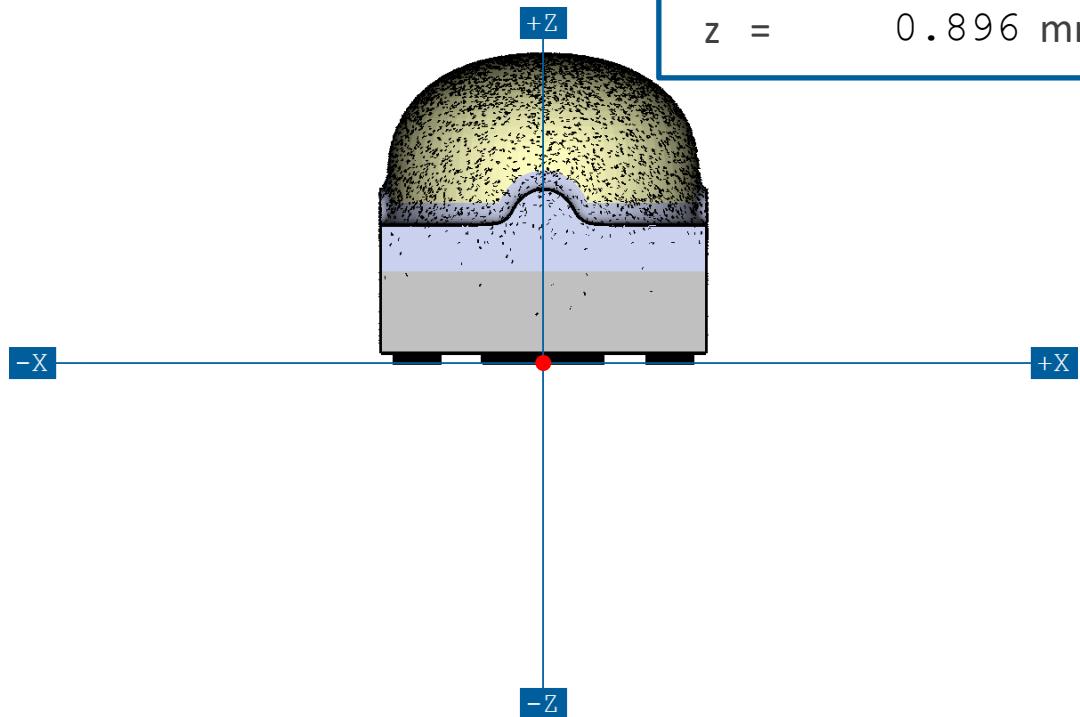
LUXEON C ES Color Royal Blue

Coordinate system

Top view



Side view



Pseudo focal point

x =	0.010 mm
y =	0.023 mm
z =	0.896 mm

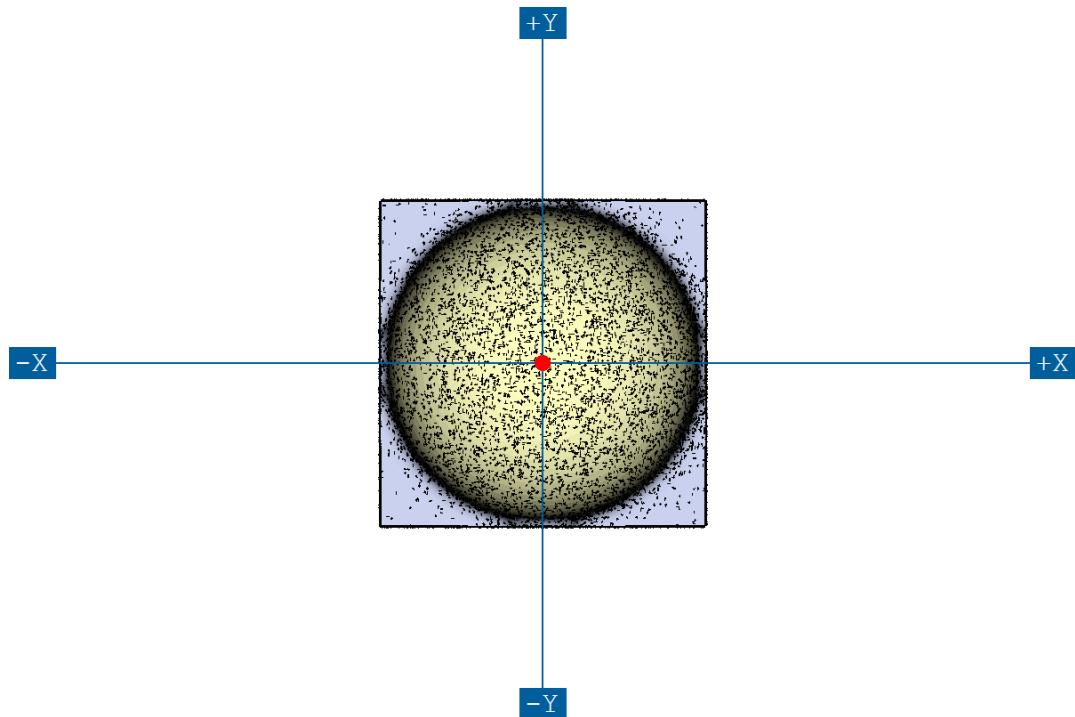
CAD file and rayset files share the same coordinate system,
the origin is marked by the red dot in the sketches above:

xy center == center of light emitting area
z=0 plane == Bottom of package

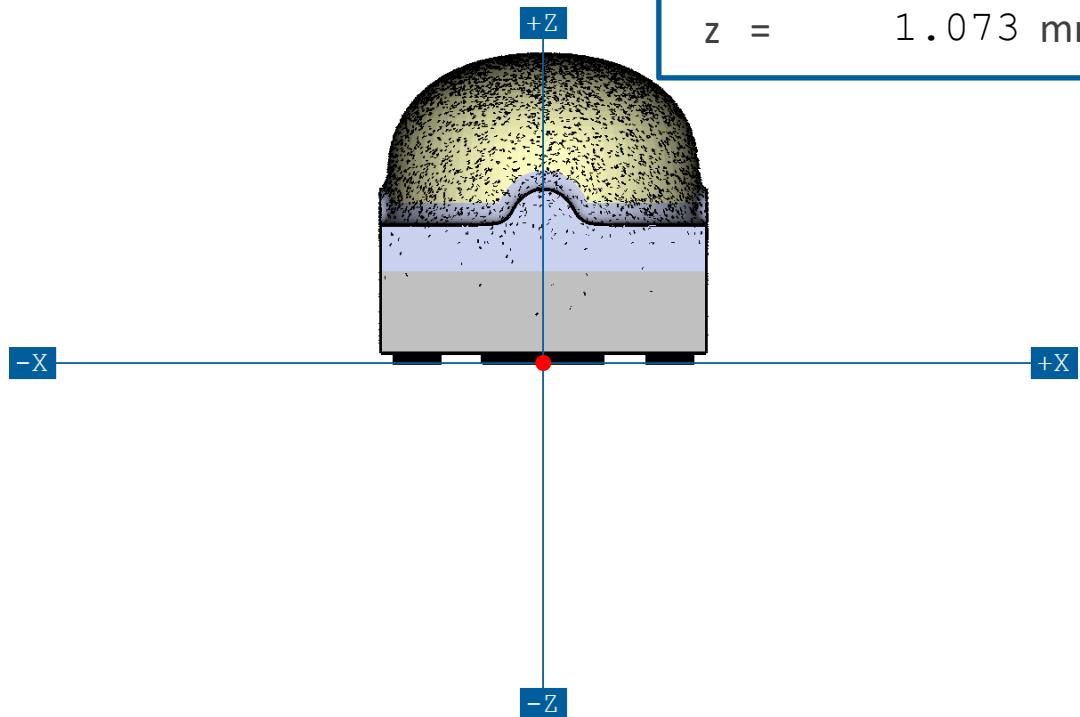
LUXEON C ES Color PC Amber

Coordinate system

Top view



Side view



Pseudo focal point

x =	0.044 mm
y =	0.004 mm
z =	1.073 mm

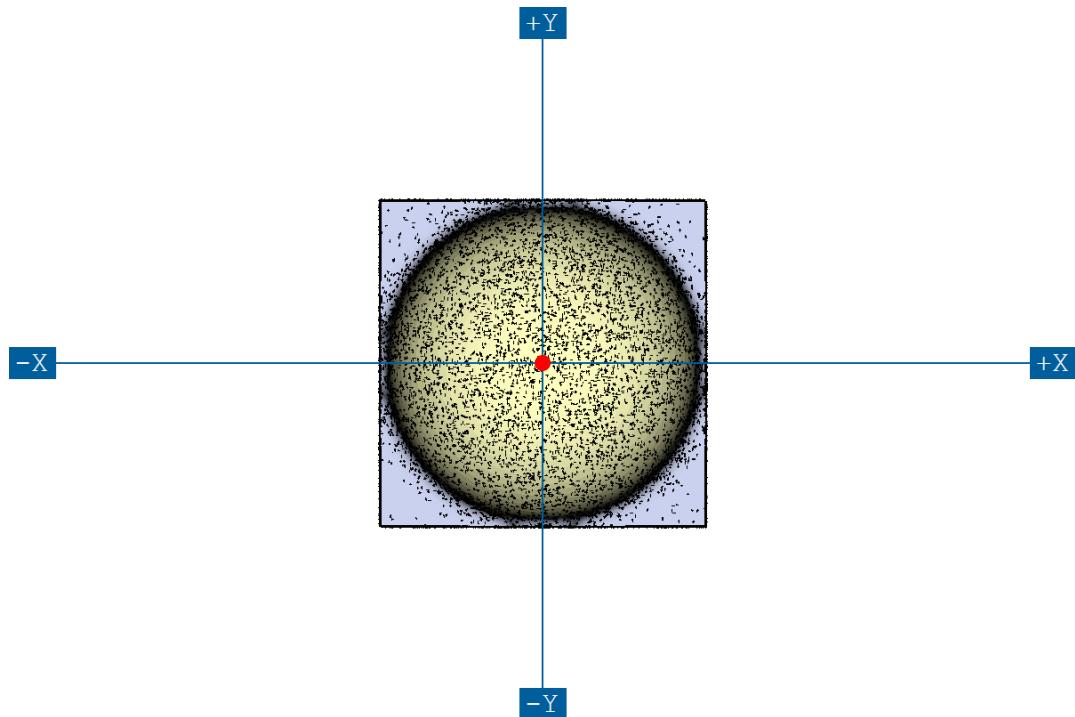
**CAD file and rayset files share the same coordinate system,
the origin is marked by the red dot in the sketches above:**

xy center == center of light emitting area
z=0 plane == Bottom of package

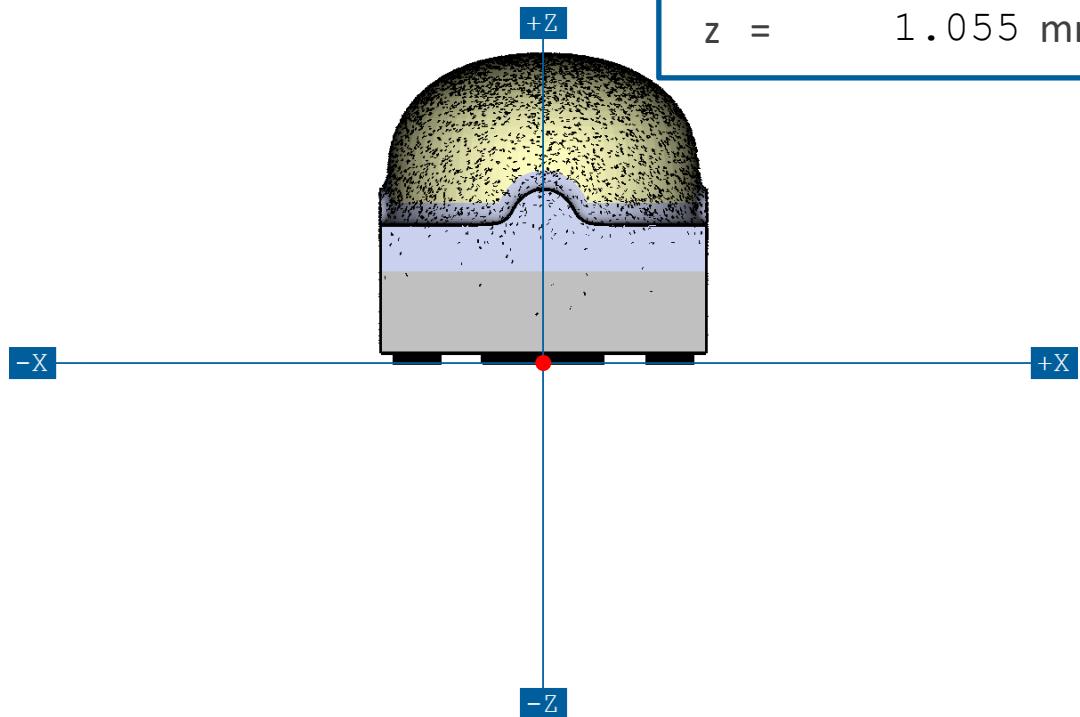
LUXEON C ES Color Lime

Coordinate system

Top view



Side view



Pseudo focal point

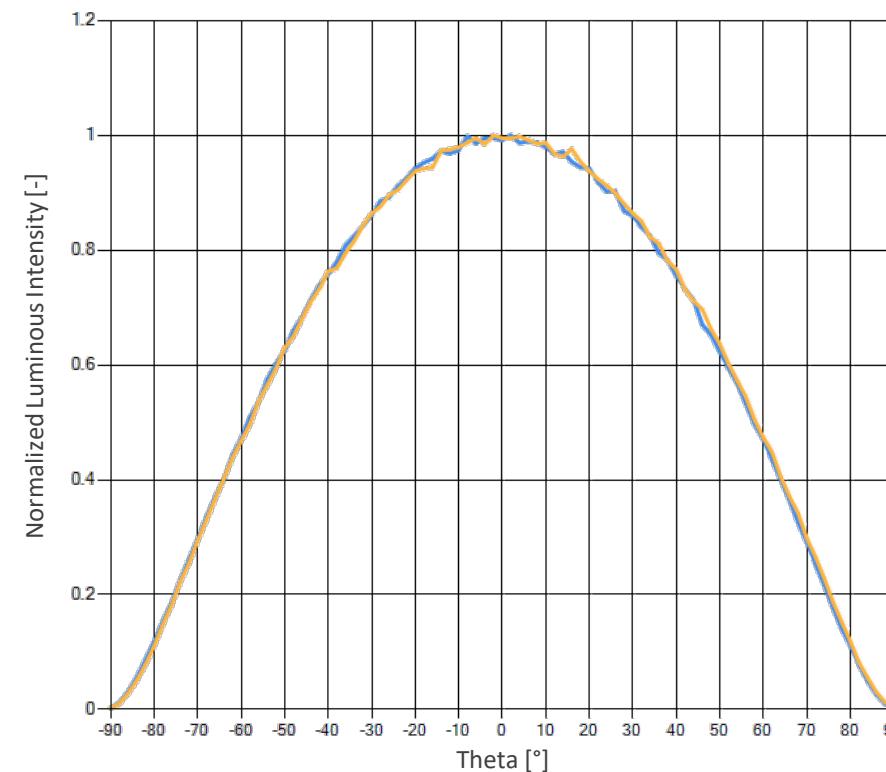
x =	0.009 mm
y =	0.009 mm
z =	1.055 mm

CAD file and rayset files share the same coordinate system,
the origin is marked by the red dot in the sketches above:

xy center == center of light emitting area
z=0 plane == Bottom of package

LUXEON C ES Color

Normalized luminous intensity distribution



LUXEON C ES Color

Link to download folder

<https://raysets.lumileds.com/index.php/s/EYEmNn98oxEnzW7>

Files available for download at the link above

- Raw measurement file
- Rayset files for various software packages
 - ASAP
 - LightTools
 - LucidShape
 - Photopia
 - Speos
 - TracePro
 - Zemax
- CAD file (aligned to the raysets)



LUMILEDS

Neither Lumileds Holding B.V. nor its affiliates shall be liable for any kind of loss of data or any other damages, direct, indirect or consequential, resulting from the use of the provided information and data. Although Lumileds Holding B.V. and/or its affiliates have attempted to provide the most accurate information and data, the materials and services information and data are provided "as is," and neither Lumileds Holding B.V. nor its affiliates warrants or guarantees the contents and correctness of the provided information and data. Lumileds Holding B.V. and its affiliates reserve the right to make changes without notice. You as user agree to this disclaimer and user agreement with the use of the provided materials, information and data. A listing of Lumileds product/patent coverage may be accessed at lumileds.com/patents.