

SANDRA

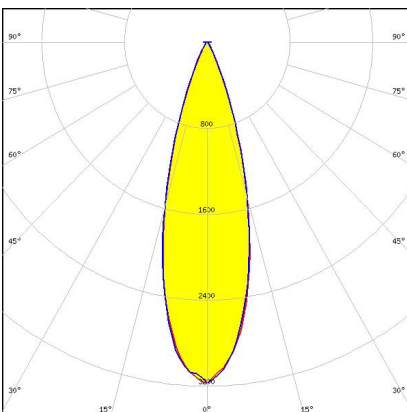
Ø67 mm 12 lens array for up to 3535 size LED packages

SANDRA-family has the largest optical array diameter LEDiL offers with 12 LED sources providing enough light for many applications, even challenging ones. These precision moulded lenses direct light where it is needed. SANDRA lenses give market-leading efficiency of 90 % and are available in three different beam types - spot, medium and wide - FWHM angles ranging from 10° to 36° respectively.



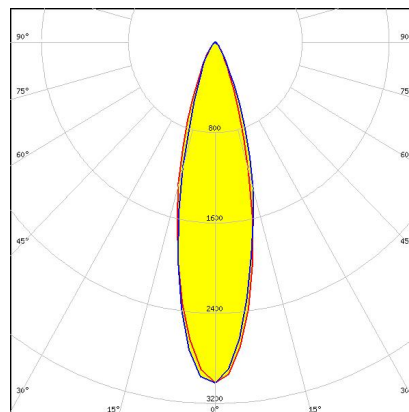
PRODUCTS:

C13405_SANDRA-12-M



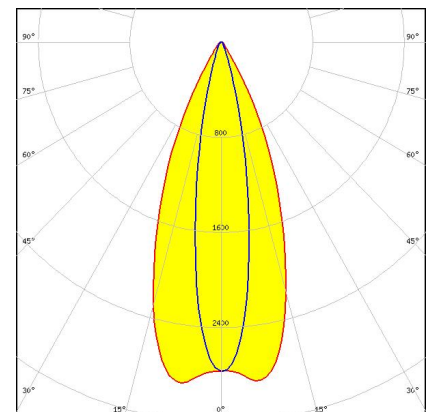
Dimensions: 67.0 mm x 67.0 mm
Height: 11.10 mm
~30° medium beam

C11814_SANDRA-12-M



Dimensions: 67.0 mm x 67.0 mm
Height: 11.10 mm
~30° medium beam

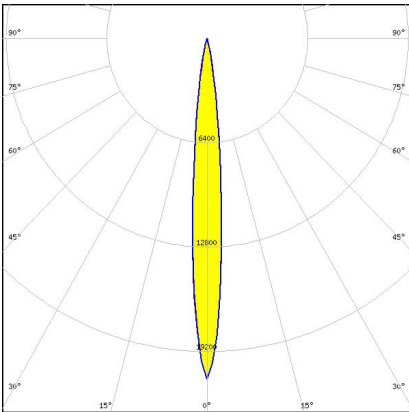
C14250_SANDRA-12-O



Dimensions: 67.0 mm x 67.0 mm
Height: 11.10 mm
~40° + 20° oval beam

PRODUCTS:

C13236_SANDRA-12-S

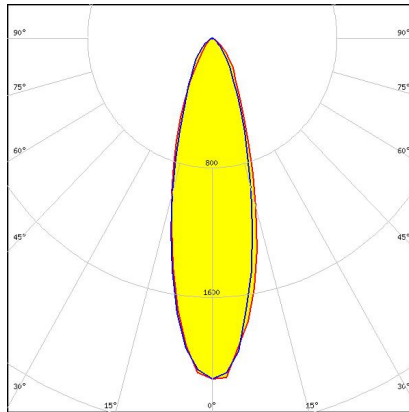


Dimensions: 67.0 mm x 67.0 mm

Height: 11.10 mm

~14° spot beam

C11700_SANDRA-12-W



Dimensions: 67.0 mm x 67.0 mm

Height: 11.10 mm

~30° wide beam

GENERAL INFORMATION:

NOTE: The typical beam angle will be changed by different color, chip size and chip position tolerance. The typical total beam angle is the full angle measured where the luminous intensity is half of the peak value.

MATERIALS:

As part of our continuous research and improvement processes, and to ensure the best possible quality and availability of our products, LEDiL reserves the right to change material grades without notice.

PRODUCT DATA USER AGREEMENT AND DISCLAIMER:

The measured data in the provided downloadable LEDiL Product Datasheets and Mechanical 2D-Drawings is rounded and provided as reference for planning. LEDiL Oy's optical specifications have been verified by conducting performance testing of the products in accordance with the company's quality system. The reported data are averaged results of multiple measurements with typical variation. LEDiL Oy reserves the right to without prior notification make changes and improvements to its products.

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