

LENA-X-WAS

White version with asymmetric beam for wall-washing

TECHNICAL SPECIFICATIONS:

Dimensions	Ø 111.0 mm
Height	32.6 mm
Fastening	glue
Colour	white
Box size	480 x 280 x 300 mm
Box weight	3.2 kg
Quantity in Box	56 pcs
ROHS compliant	yes ⓘ



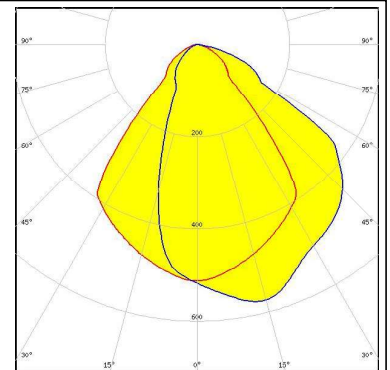
MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour	Coating
LENA-X-WAS	Reflector	HRPC	white	

PHOTOMETRIC DATA (MEASURED):

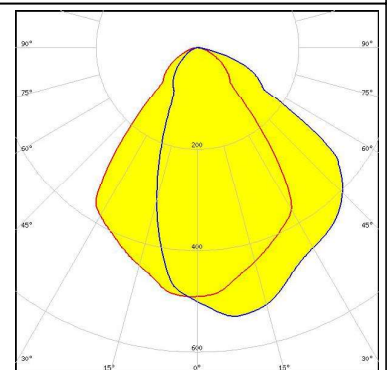
CITIZEN

LED CLU720/721
 FWHM Asymmetric
 Efficiency 91 %
 Peak intensity 0.570 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13868_LENA-STD-BASE-VERO13-18
 Bender Wirth: 433 Typ L1



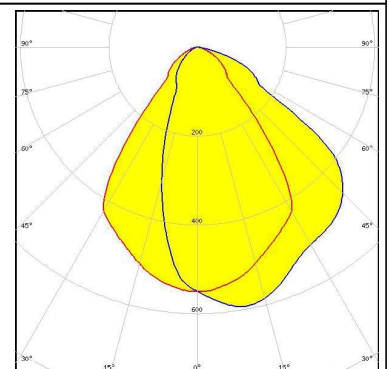
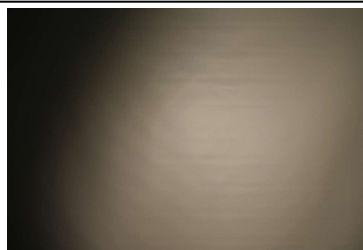
CITIZEN

LED CLU730/731
 FWHM Asymmetric
 Efficiency 84 %
 Peak intensity 0.540 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C12692_LENA-STD-BASE-CLL040



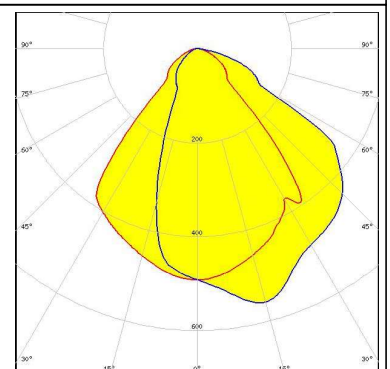
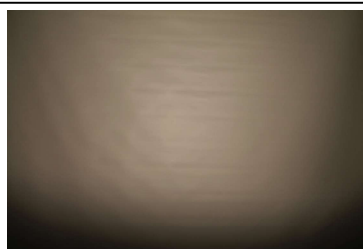
CREE

LED CMA1840
 FWHM Asymmetric
 Efficiency 90 %
 Peak intensity 0.600 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C14146_LENA-STD-BASE-CXA18



CREE

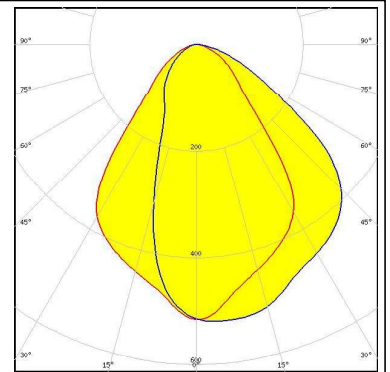
LED CMT14xx
 FWHM Asymmetric
 Efficiency 90 %
 Peak intensity 0.550 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13868_LENA-STD-BASE-VERO13-18
 Bender Wirth: 434 Typ L1



PHOTOMETRIC DATA (MEASURED):

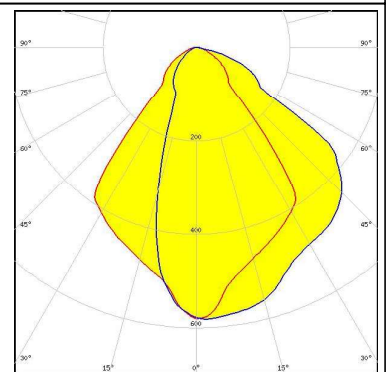
CREE 

LED CXA/B 15xx
 FWHM Asymmetric
 Efficiency 84 %
 Peak intensity 0.520 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13186_LENA-STD-BASE-CXA15
 C11996_LENA-LENS



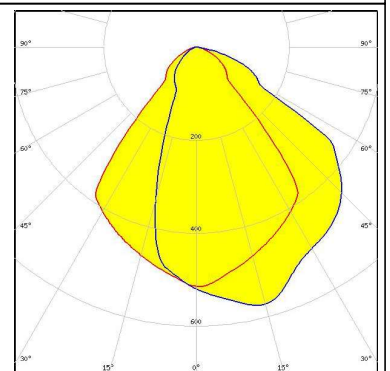
CREE 

LED CXA/B 15xx
 FWHM Asymmetric
 Efficiency 88 %
 Peak intensity 0.580 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13186_LENA-STD-BASE-CXA15



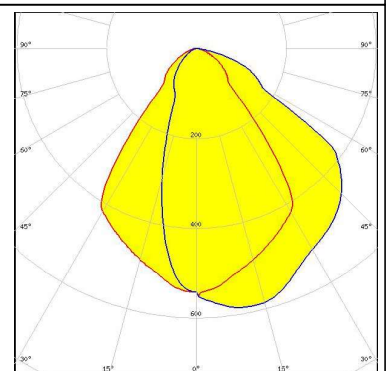
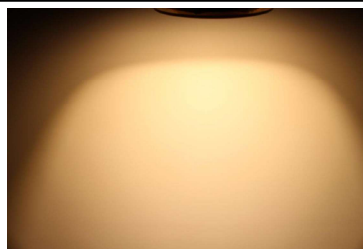
CREE 

LED CXA/B 15xx
 FWHM Asymmetric
 Efficiency 91 %
 Peak intensity 0.570 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13868_LENA-STD-BASE-VERO13-18
 Bender Wirth: 441 Typ L1



CREE 

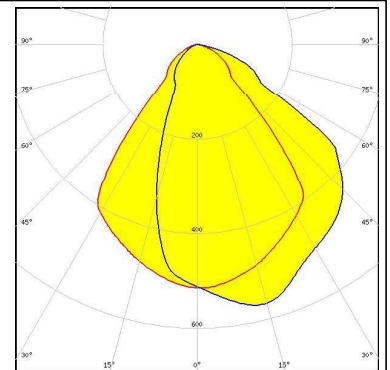
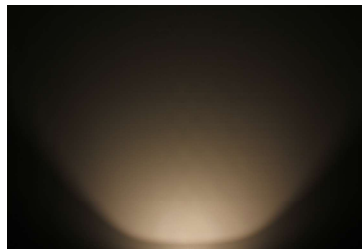
LED CXA/B 1816 & CXA/B 1820 & CXA 1850
 FWHM Asymmetric
 Efficiency 91 %
 Peak intensity 0.590 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C14146_LENA-STD-BASE-CXA18



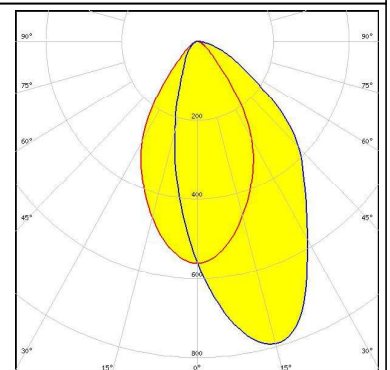
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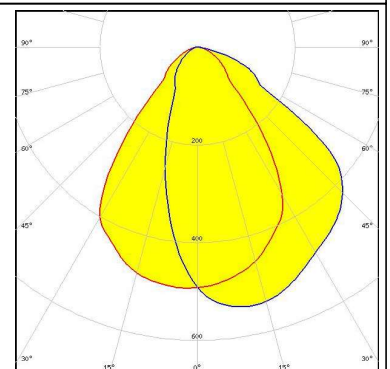
LED CXA/B 1816 & CXA/B 1820 & CXA 1850
 FWHM Asymmetric
 Efficiency 90 %
 Peak intensity 0.570 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13868_LENA-STD-BASE-VERO13-18
 Bender Wirth: 437 Typ L1



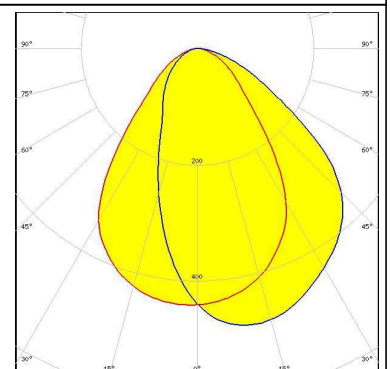
LED CXA/B 25xx
 FWHM Asymmetric
 Efficiency 73 %
 Peak intensity 0.900 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13324_LENA-STD-BASE-CXA25
 C11996_LENA-LENS



LED CXA/B 25xx
 FWHM Asymmetric
 Efficiency 82 %
 Peak intensity 0.600 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13324_LENA-STD-BASE-CXA25



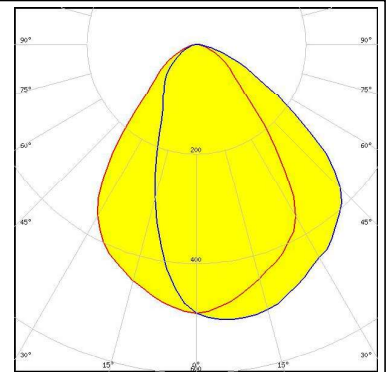
LED CXA/B 25xx
 FWHM Asymmetric
 Efficiency 78 %
 Peak intensity 0.500 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13324_LENA-STD-BASE-CXA25
 C11996_LENA-LENS



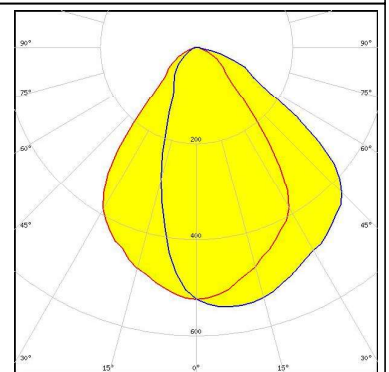
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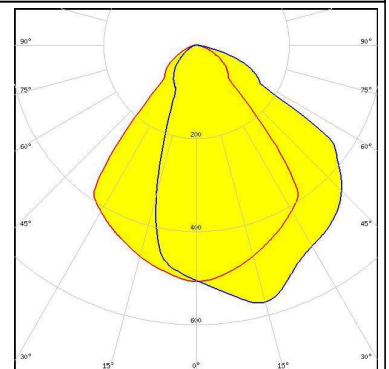
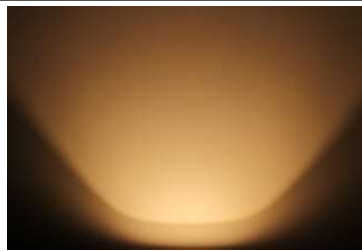
LED CXA2011
 FWHM Asymmetric
 Efficiency 80 %
 Peak intensity 0.500 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C12105_LENA-STD-BASE-CXA20
 C11996_LENA-LENS



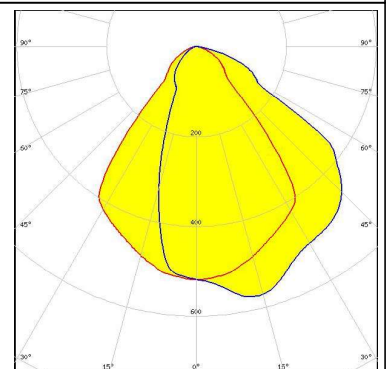
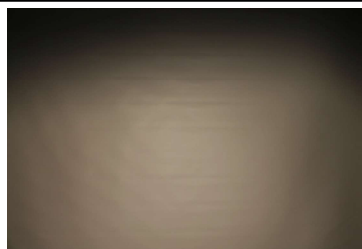
LED CXA2011
 FWHM Asymmetric
 Efficiency 83 %
 Peak intensity 0.500 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C12105_LENA-STD-BASE-CXA20



LED LUXEON CoB 1202/1203
 FWHM Asymmetric
 Efficiency 91 %
 Peak intensity 0.600 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13868_LENA-STD-BASE-VERO13-18
 Bender Wirth: 438 Typ L1



LED LUXEON CoB 1205HD
 FWHM Asymmetric
 Efficiency 91 %
 Peak intensity 0.570 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C11981_LENA-STD-BASE-COB-L110



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.

Due to use of high power COB's with this product, special attention to proper thermal design is highly recommended. LEDiL has no liability for direct, indirect or consecutive damages arising from the LEDiL products being used outside of the recommended temperature range.

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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