

ILONA-WW

~55° wide beam

SPECIFICATION:

Dimensions	Ø 49.7 mm
Height	29.4 mm
Fastening	socket
ROHS compliant	yes ⓘ

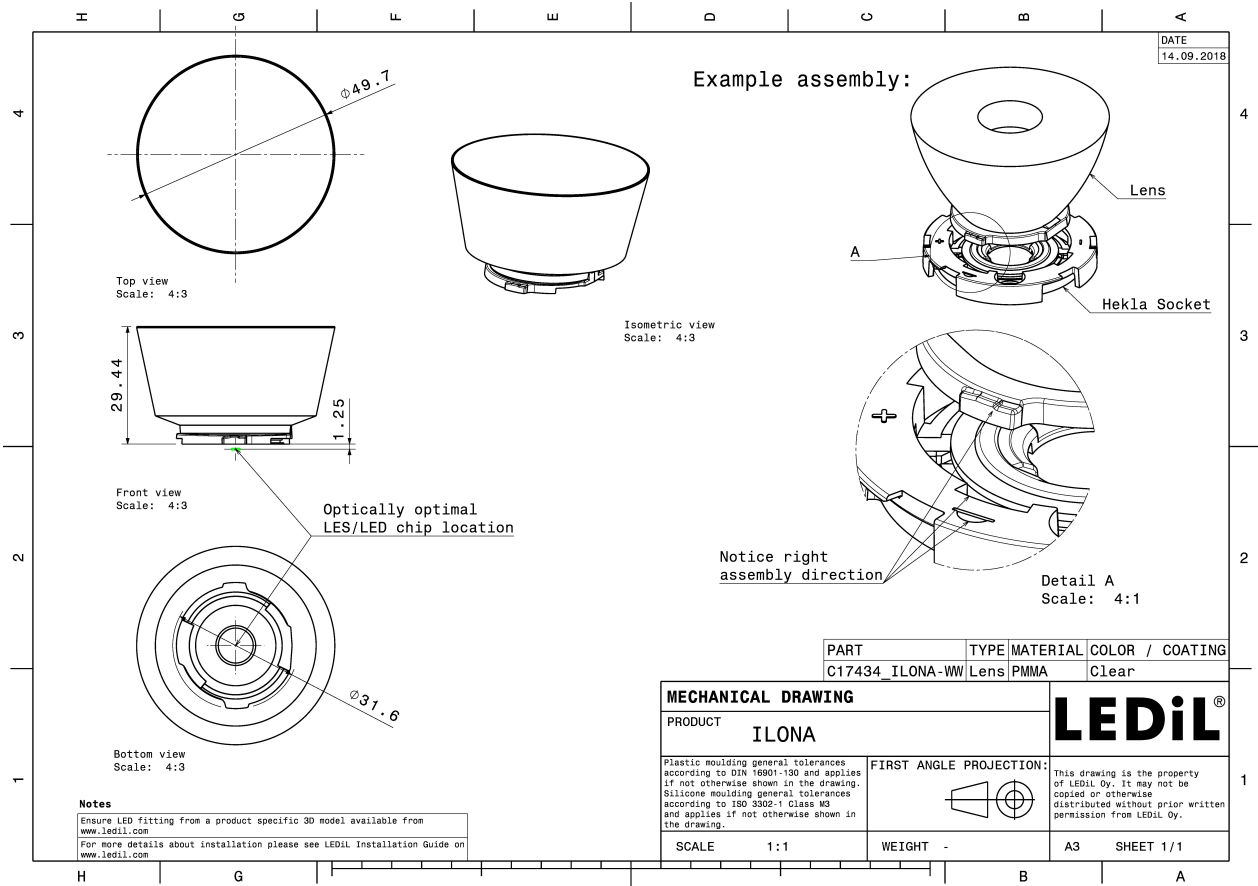
MATERIALS:

Component	Type	Material	Colour	Finish
ILONA-WW	Single lens	PMMA	clear	





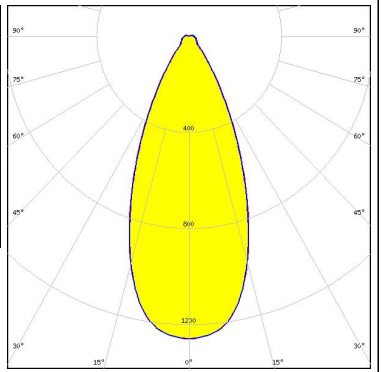


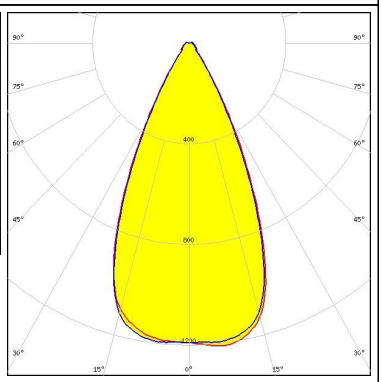


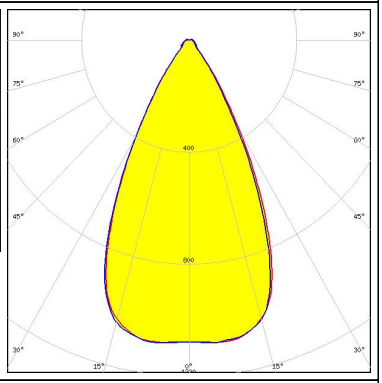

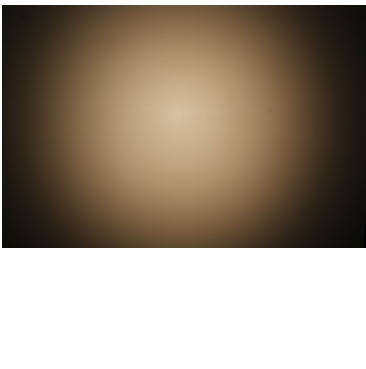
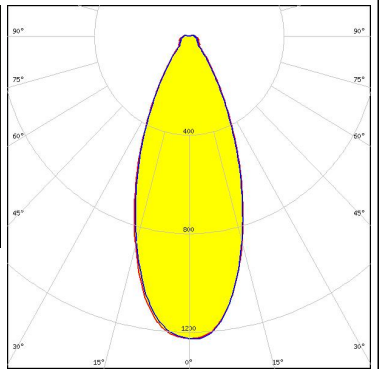
ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
C17434_ILONA-WW » Box size: 480 x 280 x 300 mm	264	99	33	9.2


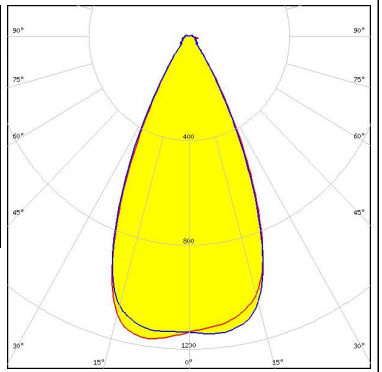
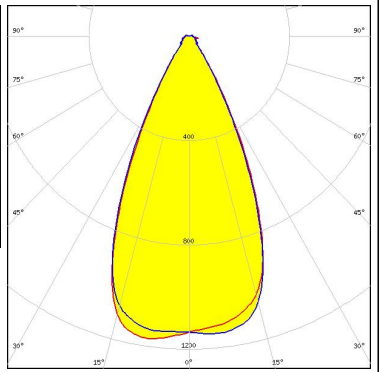
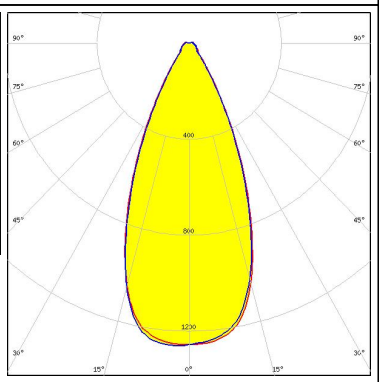
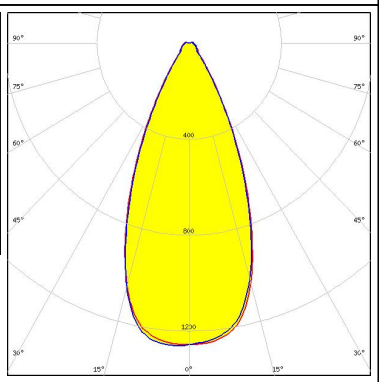
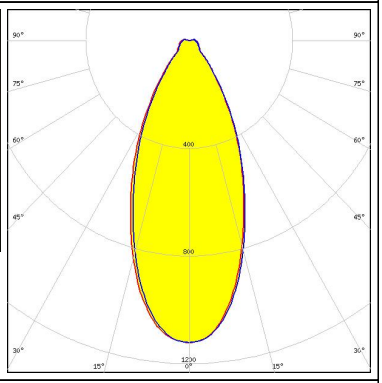

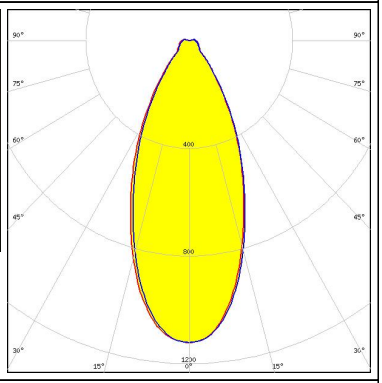


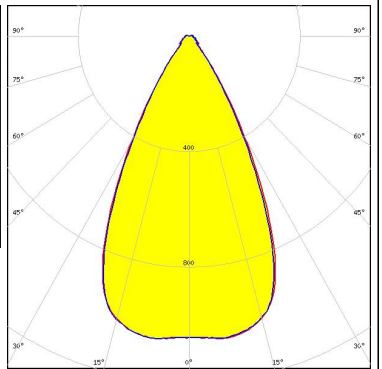


See also our general installation guide: www.ledil.com/installation_guide


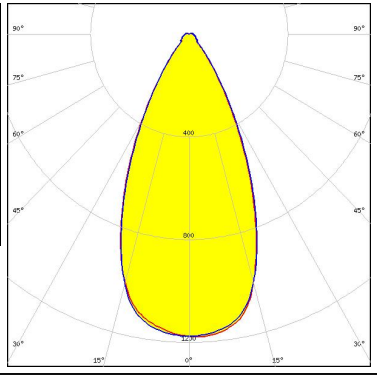

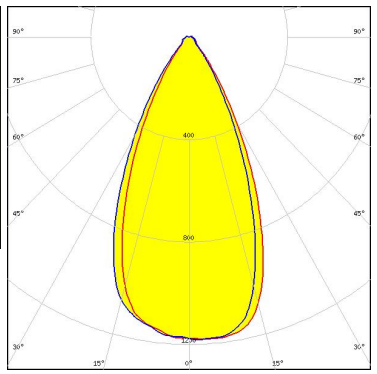
OPTICAL RESULTS (MEASURED):

<p></p> <p>LED V11 HD Gen 8</p> <p>FWHM / FWTM 45.0° / 77.0°</p> <p>Efficiency 93 %</p> <p>Peak intensity 1.3 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: Bender Wirth: 633d Hekla</p>		
<p></p> <p>LED V6 HD Gen 7</p> <p>FWHM / FWTM 50.0° / 74.0°</p> <p>Efficiency 94 %</p> <p>Peak intensity 1.2 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: Bender Wirth: 634c Hekla</p>		
<p></p> <p>LED V6 HD Gen 7</p> <p>FWHM / FWTM 54.0° / 78.0°</p> <p>Efficiency 95 %</p> <p>Peak intensity 1.1 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: F15255_HEKLA-SOCKET-C</p>		
<p></p> <p>LED Vesta DTW 13mm (21W)</p> <p>FWHM / FWTM 42.0° / 78.0°</p> <p>Efficiency 90 %</p> <p>Peak intensity 1.2 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour Tunable White</p> <p>Required components: C16142_HEKLA-SOCKET-K Bender Wirth: 491 Typ L8</p>		


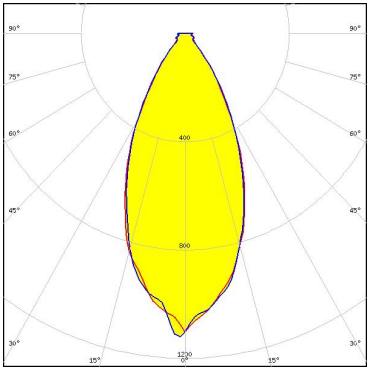

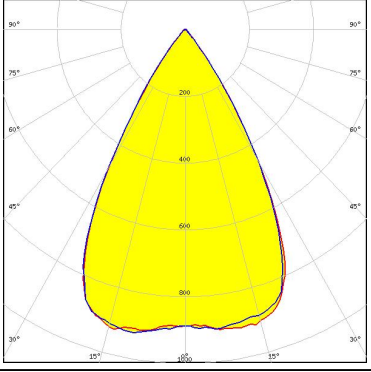

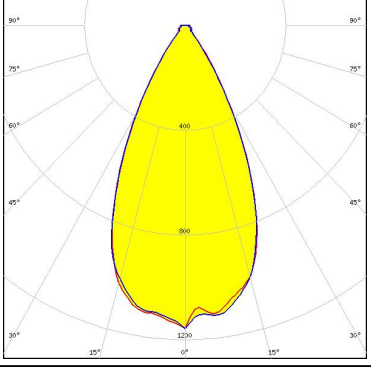

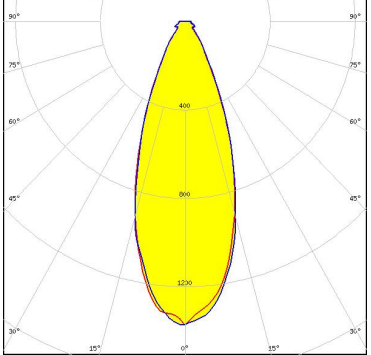
OPTICAL RESULTS (MEASURED):

<p> LED Vesta TW 6mm DP</p> <p>FWHM / FWTM 50.0° / 73.0°</p> <p>Efficiency 91 %</p> <p>Peak intensity 1.2 cd/m</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: C16142_HEKLA-SOCKET-K Bender Wirth: 504 Typ L8</p>		
<p>SAMSUNG LED LC010T (Tunable White)</p> <p>FWHM / FWTM 46.0° / 75.0°</p> <p>Efficiency 94 %</p> <p>Peak intensity 1.3 cd/m</p> <p>LEDs/each optic 1</p> <p>Light colour Tunable White</p> <p>Required components: C16142_HEKLA-SOCKET-K Bender Wirth: 501 Typ L8</p>		
<p> LED MJT COB LES 14.5</p> <p>FWHM / FWTM 45.0° / 84.0°</p> <p>Efficiency 92 %</p> <p>Peak intensity 1.1 cd/m</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: F17438_HEKLA-G2-I</p>		
<p> LED MJT COB LES 6</p> <p>FWHM / FWTM 55.0° / 79.0°</p> <p>Efficiency 95 %</p> <p>Peak intensity 1.1 cd/m</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: F17435_HEKLA-G2-C</p>		


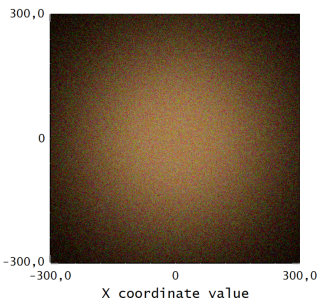
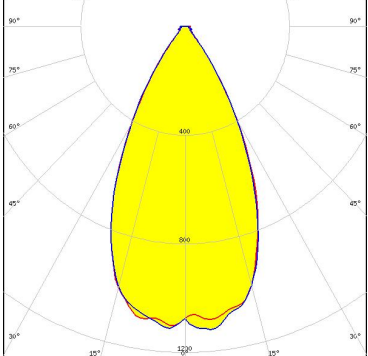

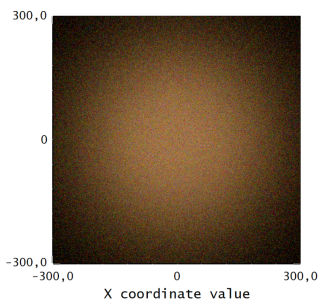
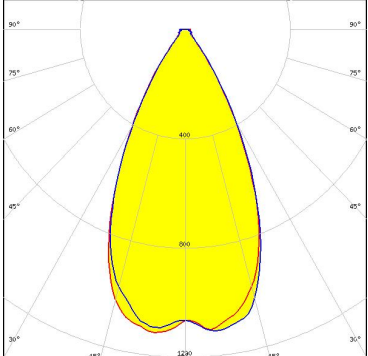

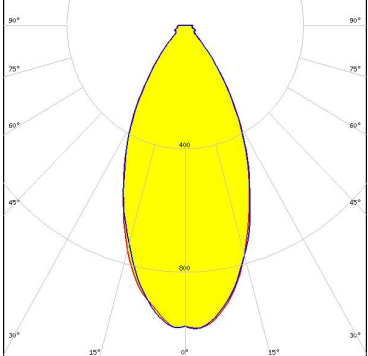
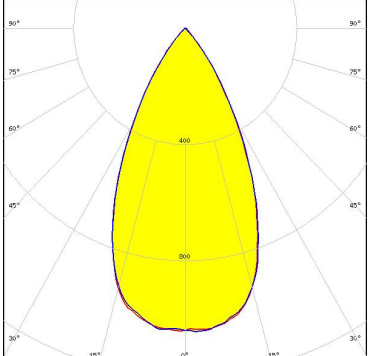
OPTICAL RESULTS (MEASURED):

<p>SEUL SEOUL SEMICONDUCTOR</p> <p>LED MJT COB LES 9.8</p> <p>FWHM / FWTM 49.0° / 79.0°</p> <p>Efficiency 95 %</p> <p>Peak intensity 1.2 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: F17435_HEKLA-G2-C</p>		
<p>TRIDONIC</p> <p>LED SLE G7 LES09</p> <p>FWHM / FWTM 50.0° / 79.0°</p> <p>Efficiency 95 %</p> <p>Peak intensity 1.2 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: F15255_HEKLA-SOCKET-C</p>		

OPTICAL RESULTS (SIMULATED):

<p></p> <p>LED V13 Gen 8 FWHM / FWTM 47.0° / 83.0° Efficiency 88 % Peak intensity 1.1 cd/lm LEDs/each optic 1 Light colour White Required components: F15859_HEKLA-SOCKET-I</p>	
<p></p> <p>LED V4 HD Gen 7 FWHM / FWTM 58.0° / 78.0° Efficiency 85 % Peak intensity 0.9 cd/lm LEDs/each optic 1 Light colour White Required components: F15253_HEKLA-SOCKET-A</p>	
<p></p> <p>LED V9 HD Gen 8 FWHM / FWTM 52.0° / 78.0° Efficiency 91 % Peak intensity 1.2 cd/lm LEDs/each optic 1 Light colour White Required components: Bender Wirth: 633d Hekla</p>	
<p></p> <p>LED Vero SE 13 FWHM / FWTM 38.0° / 74.0° Efficiency 87 % Peak intensity 1.4 cd/lm LEDs/each optic 1 Light colour White Required components: C16142_HEKLA-SOCKET-K</p>	

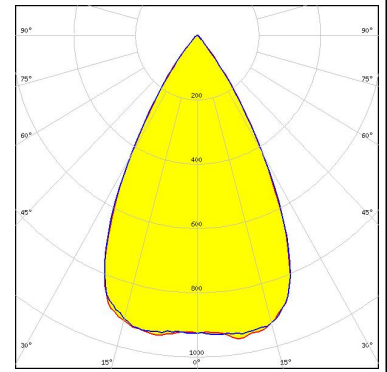
OPTICAL RESULTS (SIMULATED):

<p></p> <p>LED: VERO10 FWHM / FWTM: 53.0° / 80.0° Efficiency: 93 % Peak intensity: 1.1 cd/lm LEDs/each optic: 1 Light colour: White Required components: F15616_HEKLA-SOCKET-F</p>		
<p></p> <p>LED: Vesta DTW 9mm (4W/6W/12W) FWHM / FWTM: 52.0° / 78.0° Efficiency: 92 % Peak intensity: 1.1 cd/lm LEDs/each optic: 1 Light colour: White Required components: C16142_HEKLA-SOCKET-K Bender Wirth: 490 Typ L8</p>		
<p></p> <p>LED: Vesta TW 15mm DP FWHM / FWTM: 49.0° / 87.0° Efficiency: 87 % Peak intensity: 1 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>		
<p>CITIZEN</p> <p>LED: CLL02x/CLU02x (LES10) FWHM / FWTM: 52.0° / 80.0° Efficiency: 79 % Peak intensity: 1 cd/lm LEDs/each optic: 1 Light colour: White Required components: F15255_HEKLA-SOCKET-C</p>		

OPTICAL RESULTS (SIMULATED):

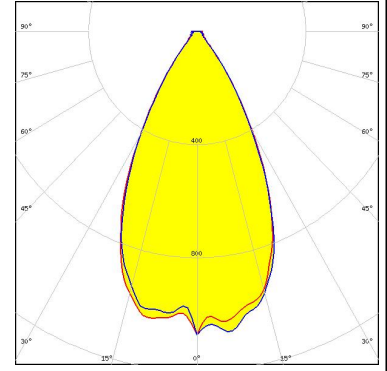
CITIZEN

LED CLU700/701/702/703
 FWHM / FWTM 57.0° / 78.0°
 Efficiency 83 %
 Peak intensity 1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15255_HEKLA-SOCKET-C

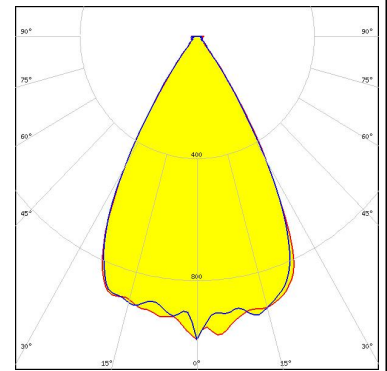


CITIZEN

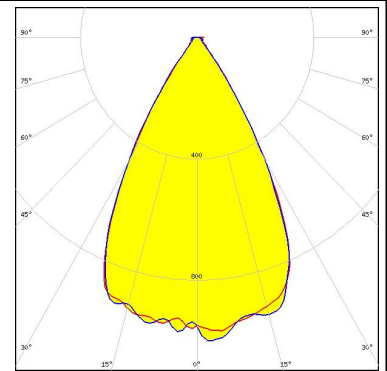
LED CLU712/713
 FWHM / FWTM 54.0° / 82.0°
 Efficiency 93 %
 Peak intensity 1.1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F17438_HEKLA-G2-I



LED CHA0304
 FWHM / FWTM 60.0° / 78.0°
 Efficiency 94 %
 Peak intensity 1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F17435_HEKLA-G2-C



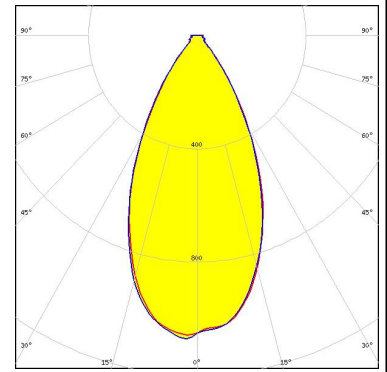
LED CHA0410
 FWHM / FWTM 59.0° / 80.0°
 Efficiency 94 %
 Peak intensity 1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F17435_HEKLA-G2-C



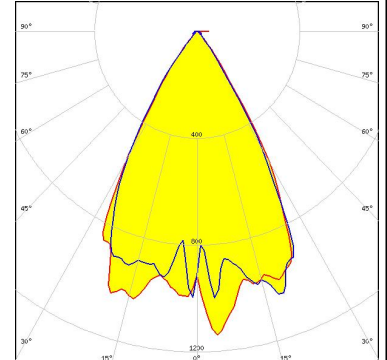
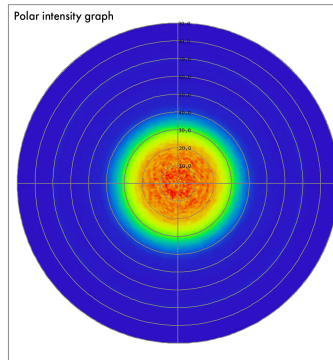
OPTICAL RESULTS (SIMULATED):



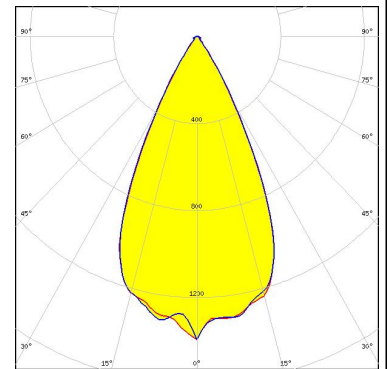
LED CMA1825
FWHM / FWTM 52.0° / 84.0°
Efficiency 90 %
Peak intensity 1.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:
 F15254_HEKLA-SOCKET-B



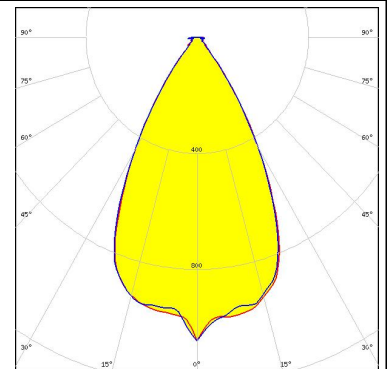
LED LZ4 (00xW00)
FWHM / FWTM 59.0° / 78.0°
Efficiency 96 %
LEDs/each optic 1
Light colour IR
Required components:
 F15255_HEKLA-SOCKET-C



LED LZ4-00XX08
FWHM / FWTM 52.0° / 70.0°
Efficiency 95 %
Peak intensity 1.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:
 F15255_HEKLA-SOCKET-C



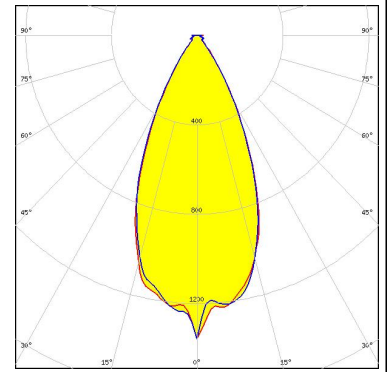
LED COB S-Type (LES 7)
FWHM / FWTM 56.0° / 81.0°
Efficiency 94 %
Peak intensity 1 cd/lm
LEDs/each optic 1
Light colour White
Required components:
 F15848_HEKLA-SOCKET-G



OPTICAL RESULTS (SIMULATED):

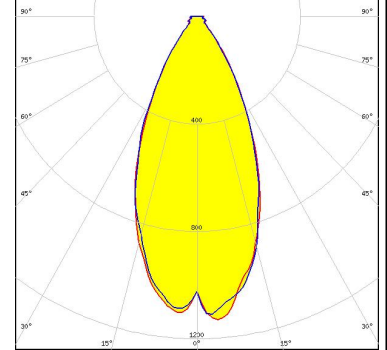
PHILIPS

LED Fortimo SLM L09 CoB
 FWHM / FWTM 46.0° / 74.0°
 Efficiency 92 %
 Peak intensity 1.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F17437_HEKLA-G2-H



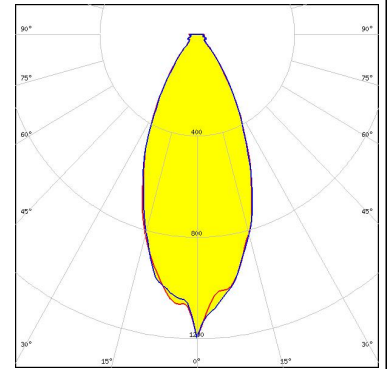
PHILIPS

LED Fortimo SLM L13 CoB
 FWHM / FWTM 48.0° / 81.0°
 Efficiency 89 %
 Peak intensity 1.1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 Bender Wirth: 632a Hekla XL



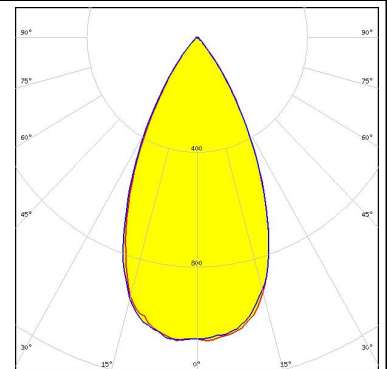
PHILIPS

LED Fortimo SLM L15 CoB
 FWHM / FWTM 44.0° / 82.0°
 Efficiency 87 %
 Peak intensity 1.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 Bender Wirth: 632a Hekla XL



SAMSUNG

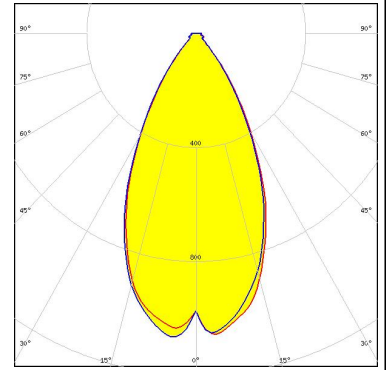
LED LC003D / LC006D / LC009D / LC013D
 FWHM / FWTM 51.0° / 79.0°
 Efficiency 79 %
 Peak intensity 1.1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15255_HEKLA-SOCKET-C



OPTICAL RESULTS (SIMULATED):

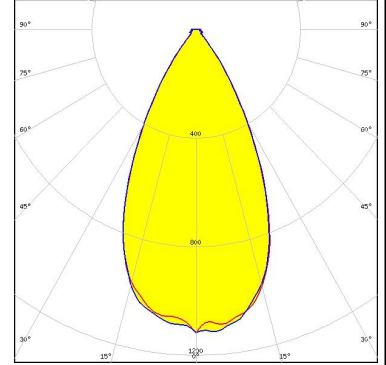
SAMSUNG

LED LC020T (Tunable white)
FWHM / FWTM 52.0° / 84.0°
Efficiency 91 %
Peak intensity 1.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F15859_HEKLA-SOCKET-I



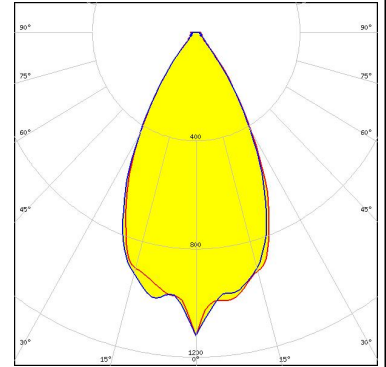
XICATO

LED XOB 9.8 mm
FWHM / FWTM 52.0° / 80.0°
Efficiency 91 %
Peak intensity 1.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F17435_HEKLA-G2-C



XICATO

LED XTM - 9mm LES
FWHM / FWTM 54.0° / 82.0°
Efficiency 93 %
Peak intensity 1.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C15743_XTM-ADAPTER-50-B



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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LEDiL Oy

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