

RONDA-S-C

~25° spot beam with holder C compatible with LEDiL HEKLA

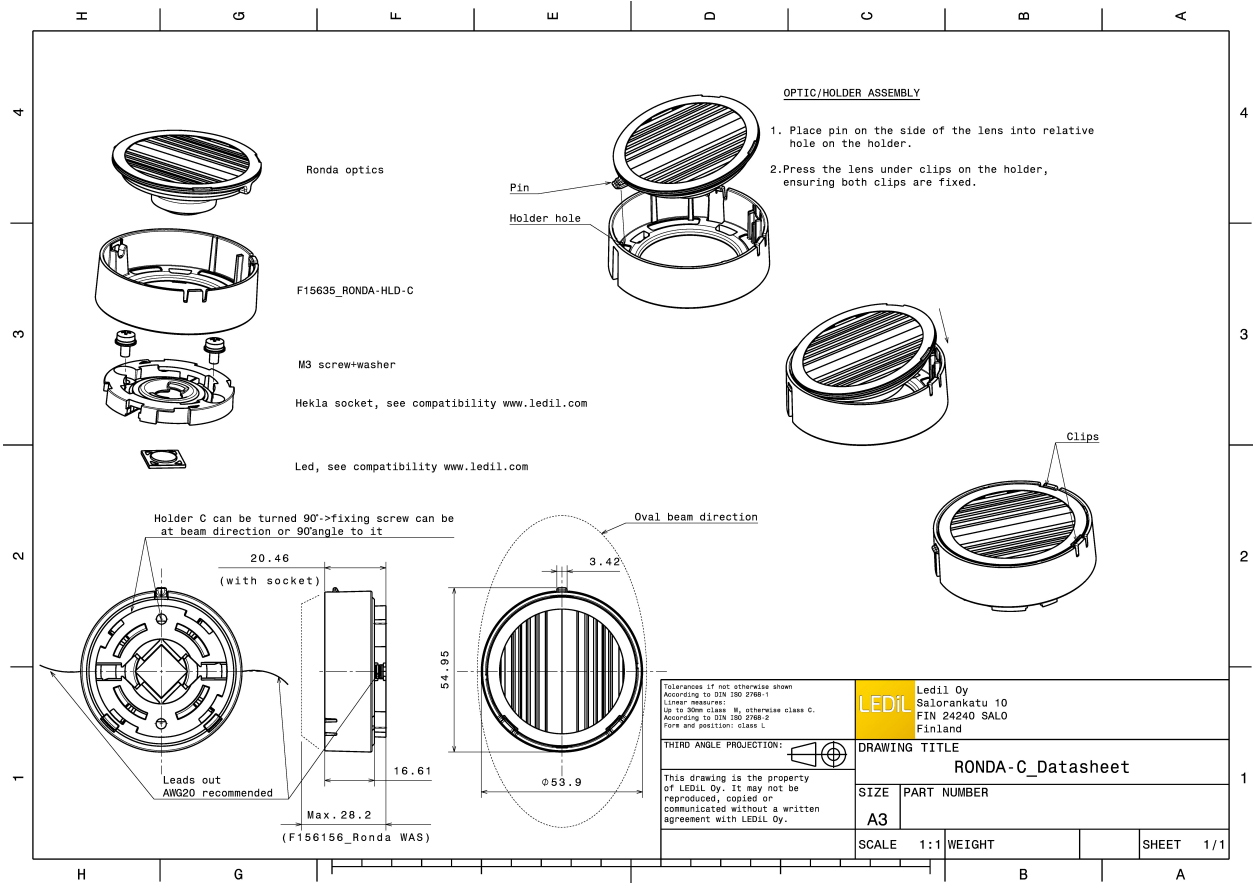
TECHNICAL SPECIFICATIONS:

Dimensions	Ø 52.1 mm
Height	17.2 mm
Fastening	socket
Colour	clear
Box size	
Box weight	0 kg
Quantity in Box	420 pcs
ROHS compliant	yes ⓘ


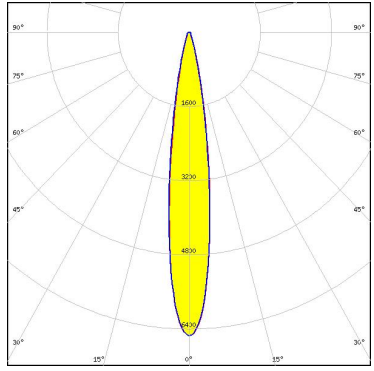

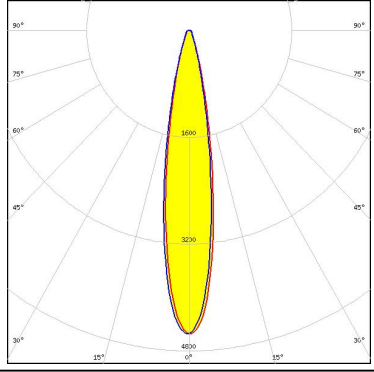

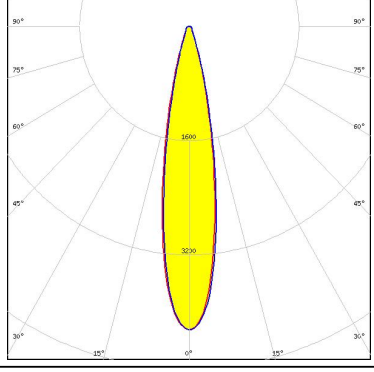
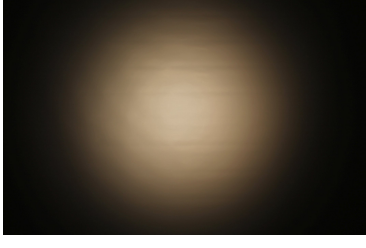
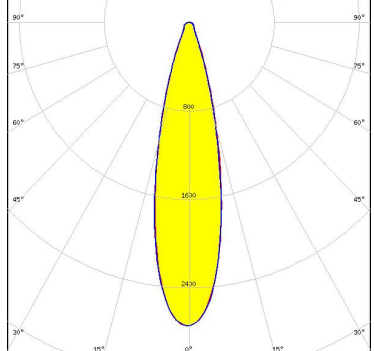


MATERIAL SPECIFICATIONS:


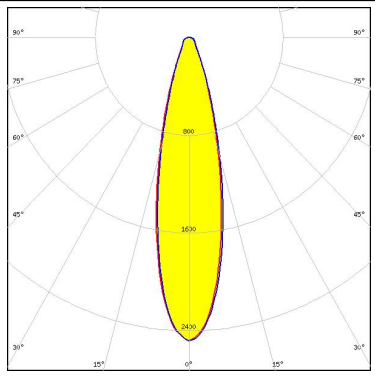

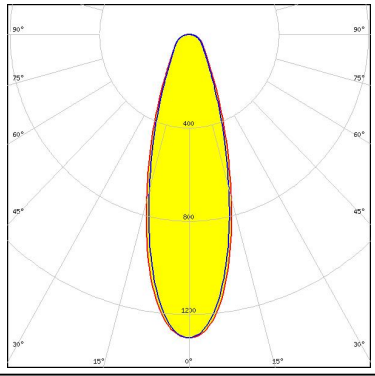
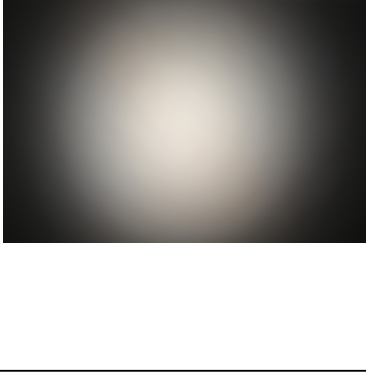
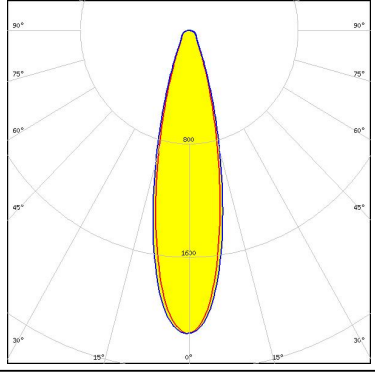
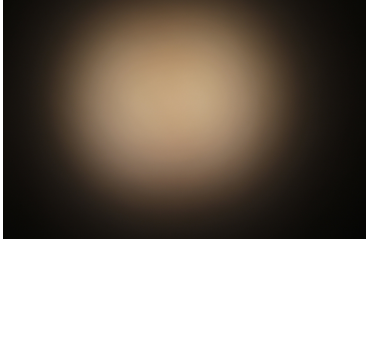
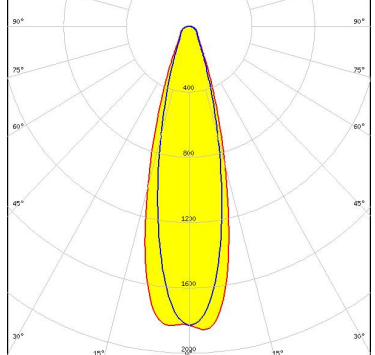
Component	Type	Material	Colour
RONDA-S	Single lens	PMMA	
RONDA-HLD-C	Holder	PC	



PHOTOMETRIC DATA (MEASURED):

<p>bridgelux.</p> <p>LED V4 HD</p> <p>FWHM 16.0°</p> <p>Efficiency 90 %</p> <p>Peak intensity 6.600 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: F15253_HEKLA-SOCKET-A</p>		
<p>bridgelux.</p> <p>LED V6 Gen6</p> <p>FWHM 18.0°</p> <p>Efficiency 89 %</p> <p>Peak intensity 4.500 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: F15253_HEKLA-SOCKET-A</p>		
<p>bridgelux.</p> <p>LED V6 HD</p> <p>FWHM 20.0°</p> <p>Efficiency 89 %</p> <p>Peak intensity 4.300 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: F15255_HEKLA-SOCKET-C</p>		
<p>bridgelux.</p> <p>LED V9 HD</p> <p>FWHM 25.0°</p> <p>Efficiency 87 %</p> <p>Peak intensity 2.700 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: F15859_HEKLA-SOCKET-I</p>		

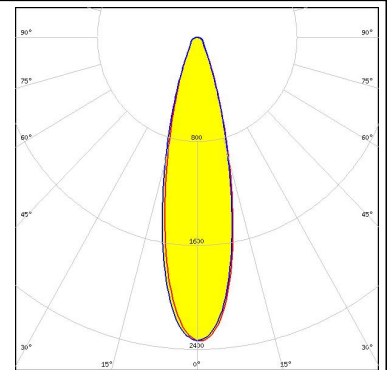
PHOTOMETRIC DATA (MEASURED):

<p>bridgelux.</p> <p>LED VERO10</p> <p>FWHM 25.0°</p> <p>Efficiency 87 %</p> <p>Peak intensity 2.500 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: F15616_HEKLA-SOCKET-F</p>		
<p>bridgelux.</p> <p>LED Vesta TW 13mm (25W) CSP</p> <p>FWHM 32.0°</p> <p>Efficiency 79 %</p> <p>Peak intensity 1.300 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: C16142_HEKLA-SOCKET-K Bender Wirth: 492 Typ L8</p>		
<p>bridgelux.</p> <p>LED Vesta TW 9mm (12W) CSP</p> <p>FWHM 26.0°</p> <p>Efficiency 82 %</p> <p>Peak intensity 2.100 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: C16142_HEKLA-SOCKET-K Bender Wirth: 489 Typ L8</p>		
<p>CITIZEN</p> <p>LED CLC020 Series (Dim-To-Warm)</p> <p>FWHM 28.0°</p> <p>Efficiency 81 %</p> <p>Peak intensity 1.900 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: C16142_HEKLA-SOCKET-K</p>		

PHOTOMETRIC DATA (MEASURED):

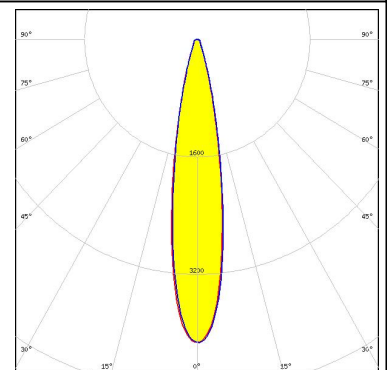
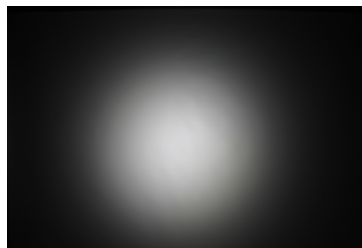
CITIZEN

LED CLL02x/CLU02x (LES10)
 FWHM 26.0°
 Efficiency 86 %
 Peak intensity 2.300 cd/m
 LEDs/each optic 1
 Light colour White
 Required components:
 F15255_HEKLA-SOCKET-C



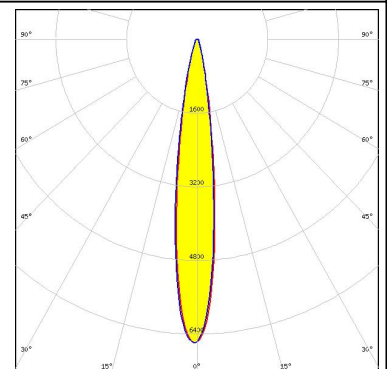
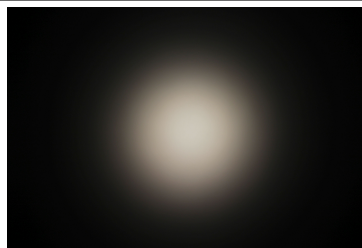
CITIZEN

LED CLU700/701
 FWHM 19.0°
 Efficiency 87 %
 Peak intensity 4.100 cd/m
 LEDs/each optic 1
 Light colour White
 Required components:
 F15255_HEKLA-SOCKET-C



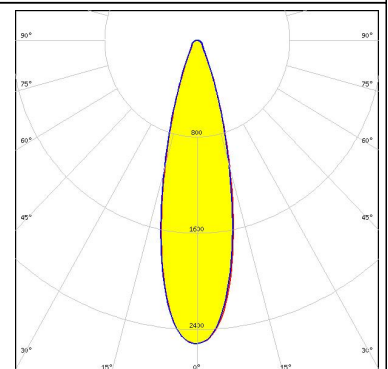
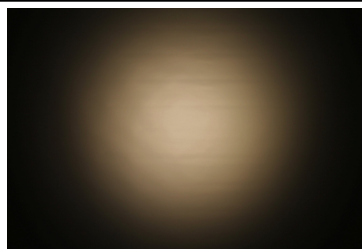
CITIZEN

LED CLU7A2 (LES 4.2mm)
 FWHM 15.0°
 Efficiency 89 %
 Peak intensity 6.600 cd/m
 LEDs/each optic 1
 Light colour White
 Required components:
 F15255_HEKLA-SOCKET-C



CREE

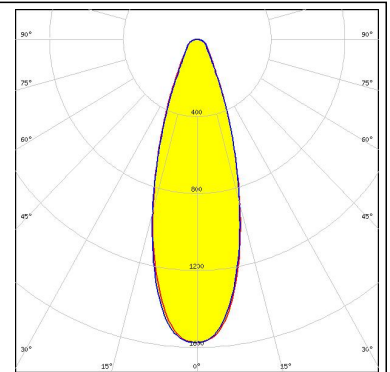
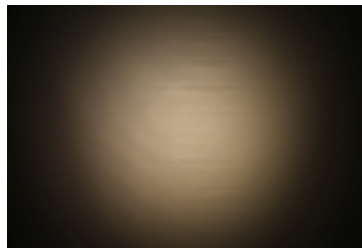
LED CMA1516
 FWHM 27.0°
 Efficiency 89 %
 Peak intensity 2.500 cd/m
 LEDs/each optic 1
 Light colour White
 Required components:
 F15256_HEKLA-SOCKET-D



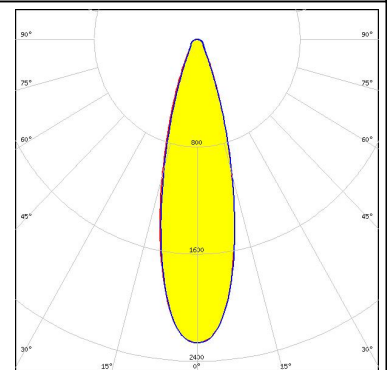
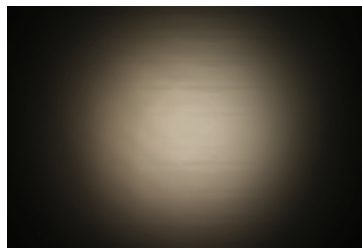
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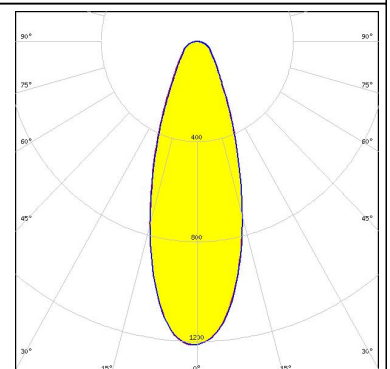
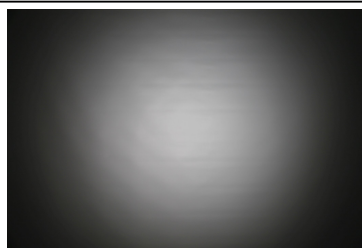
LED CMA1825
 FWHM 33.0°
 Efficiency 87 %
 Peak intensity 1.600 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15254_HEKLA-SOCKET-B



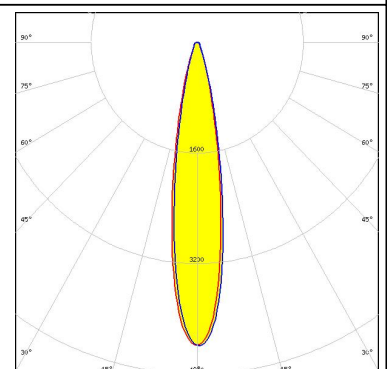
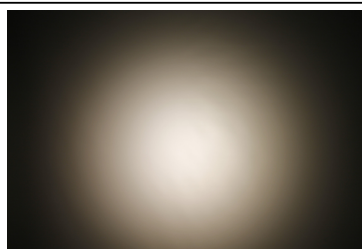
LED CMT14xx
 FWHM 28.0°
 Efficiency 88 %
 Peak intensity 2.250 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15255_HEKLA-SOCKET-C



LED CMT19xx
 FWHM 35.0°
 Efficiency 82 %
 Peak intensity 1.214 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15859_HEKLA-SOCKET-I



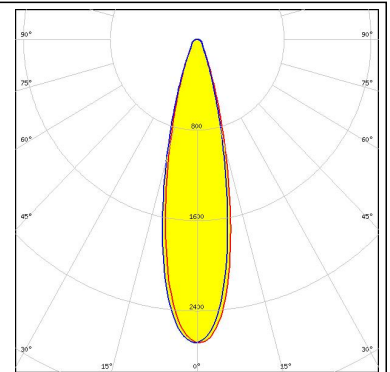
LED CXA/B 13xx
 FWHM 19.0°
 Efficiency 88 %
 Peak intensity 4.400 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15956_HEKLA-SOCKET-J



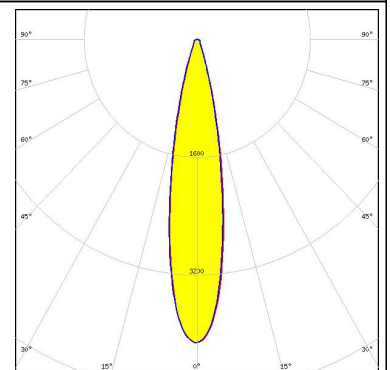
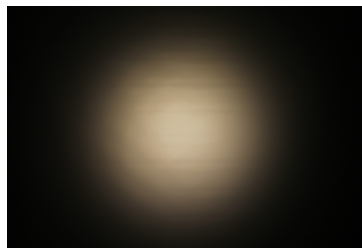
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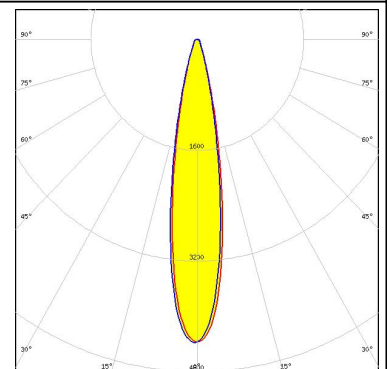
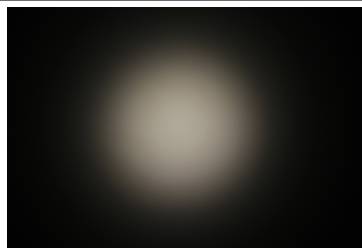
LED CXA/B 15xx
 FWHM 25.0°
 Efficiency 88 %
 Peak intensity 2.700 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15256_HEKLA-SOCKET-D



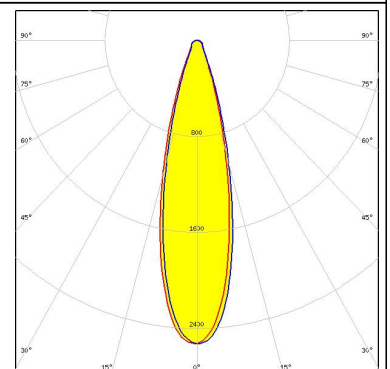
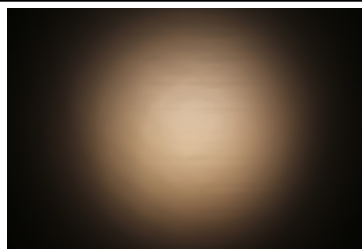
LED LUXEON CoB 1202HD
 FWHM 21.0°
 Efficiency 89 %
 Peak intensity 4.130 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15848_HEKLA-SOCKET-G



LED LUXEON CoB 1202s
 FWHM 19.0°
 Efficiency 89 %
 Peak intensity 4.400 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15848_HEKLA-SOCKET-G



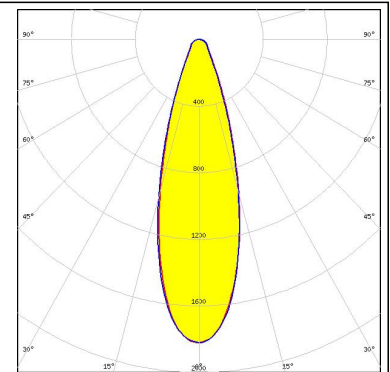
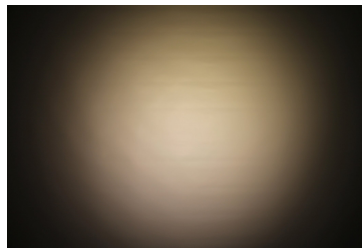
LED LUXEON CoB 1204HD
 FWHM 27.0°
 Efficiency 88 %
 Peak intensity 2.500 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15858_HEKLA-SOCKET-H



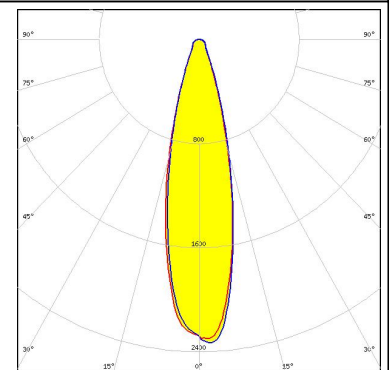
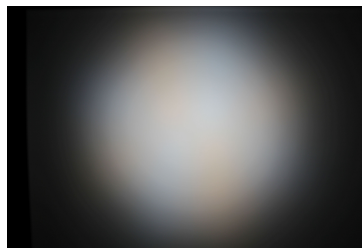
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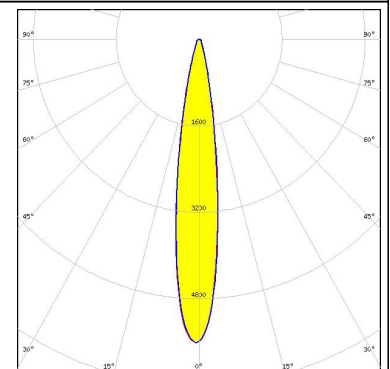
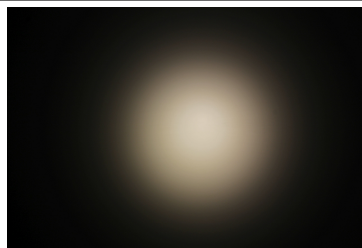
LED LUXEON CoB 1205HD
 FWHM 31.0°
 Efficiency 86 %
 Peak intensity 1.800 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15858_HEKLA-SOCKET-H



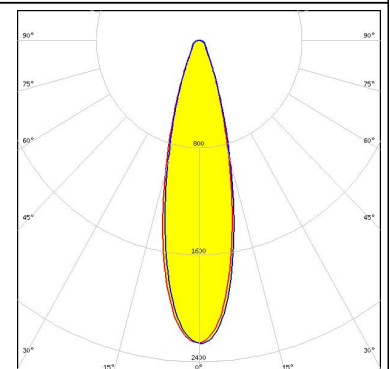
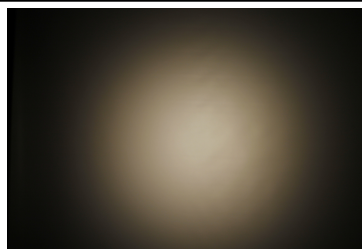
LED CDM-9 (Dim-To-Warm)
 FWHM 26.0°
 Efficiency 82 %
 Peak intensity 2.300 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C16142_HEKLA-SOCKET-K
 Bender Wirth: 490 Typ L8



LED CXM-4
 FWHM 16.0°
 Efficiency 88 %
 Peak intensity 5.632 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15255_HEKLA-SOCKET-C



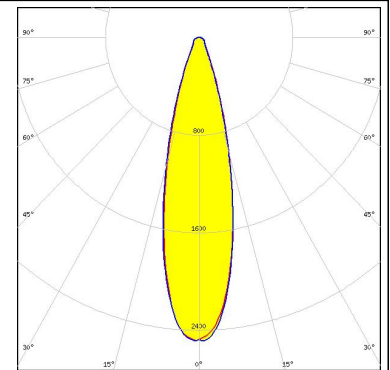
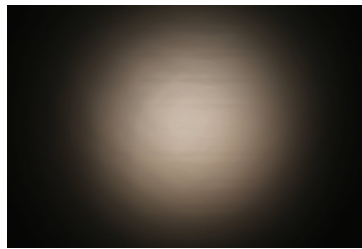
LED CxM-9 (13.5x13.5)
 FWHM 27.0°
 Efficiency 86 %
 Peak intensity 2.300 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15255_HEKLA-SOCKET-C



PHOTOMETRIC DATA (MEASURED):

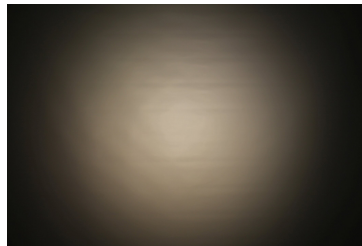
PHILIPS

LED Fortimo SLM L09 CoB
FWHM 26.0°
Efficiency 87 %
Peak intensity 2.490 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F15858_HEKLA-SOCKET-H



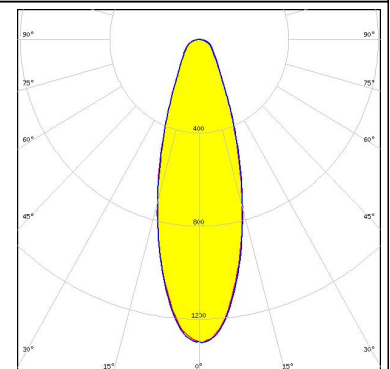
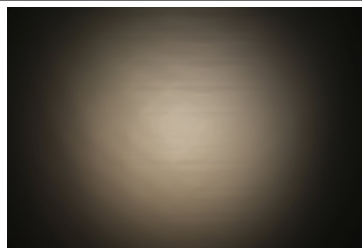
PHILIPS

LED Fortimo SLM L13 CoB
FWHM 33.0°
Efficiency 80 %
Peak intensity 1.300 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C16142_HEKLA-SOCKET-K
Bender Wirth: 432 Typ L8



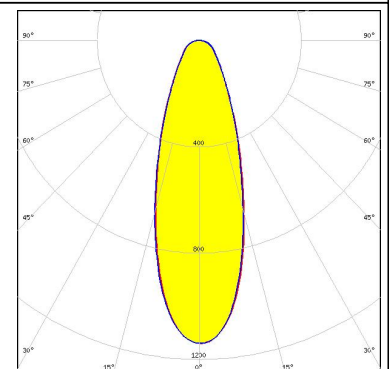
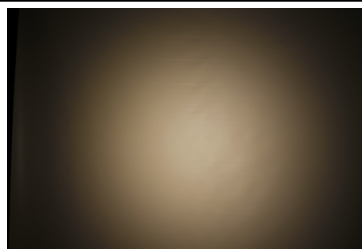
PHILIPS

LED Fortimo SLM L13 CoB
FWHM 33.0°
Efficiency 80 %
Peak intensity 1.300 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C16140_CLAMP-VERO29
Bender Wirth: 432 Typ L8



SAMSUNG

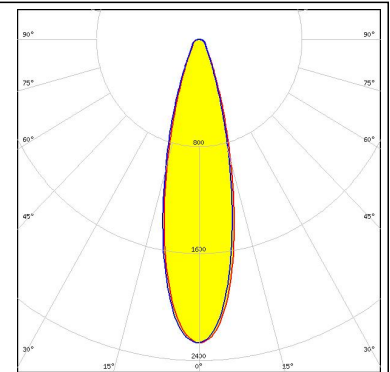
LED COB D Series LES 14.5 mm
FWHM 34.0°
Efficiency 79 %
Peak intensity 1.100 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F15859_HEKLA-SOCKET-I



PHOTOMETRIC DATA (MEASURED):

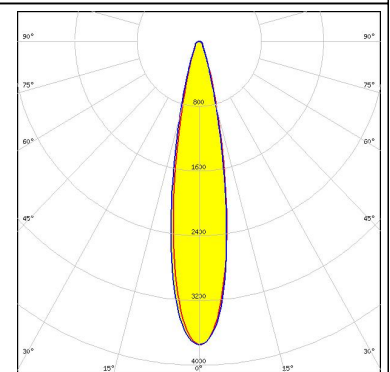
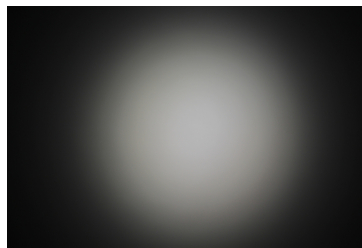
SAMSUNG

LED COB D Series LES 9.8 mm
 FWHM 27.0°
 Efficiency 87 %
 Peak intensity 2.300 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15255_HEKLA-SOCKET-C



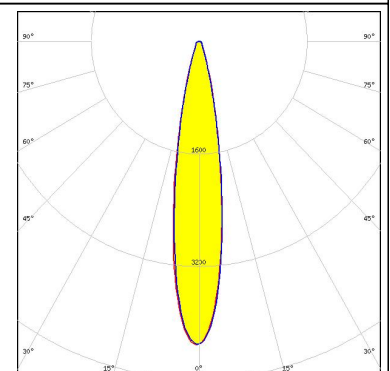
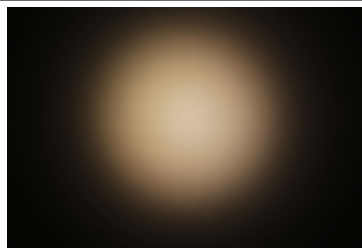
SAMSUNG

LED LC010C
 FWHM 20.0°
 Efficiency 88 %
 Peak intensity 3.800 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15848_HEKLA-SOCKET-G



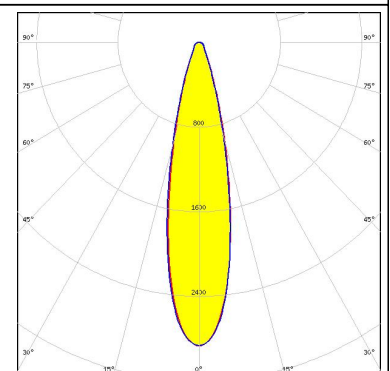
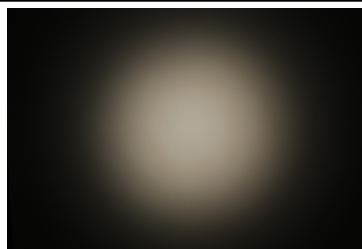
SAMSUNG

LED LC010C G2
 FWHM 19.0°
 Efficiency 87 %
 Peak intensity 4.300 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15255_HEKLA-SOCKET-C



SAMSUNG

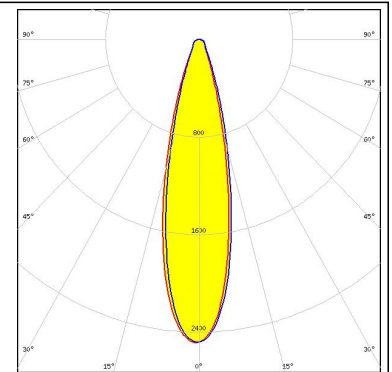
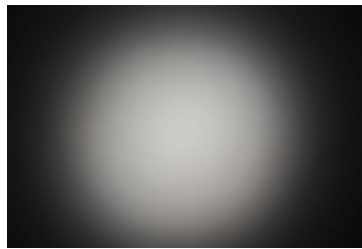
LED LC020C
 FWHM 24.0°
 Efficiency 88 %
 Peak intensity 2.900 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15848_HEKLA-SOCKET-G



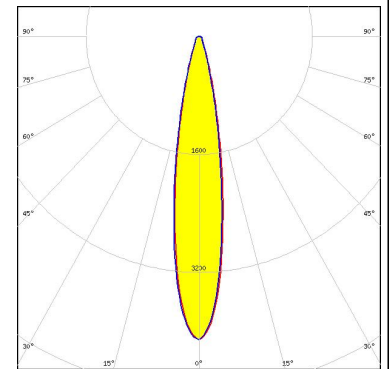
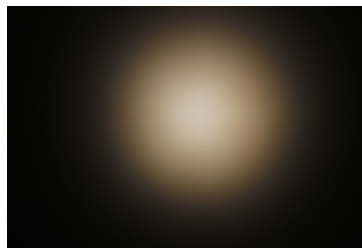
PHOTOMETRIC DATA (MEASURED):

SAMSUNG

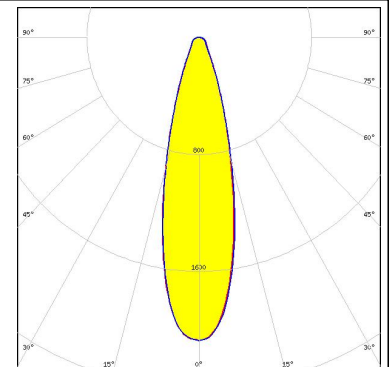
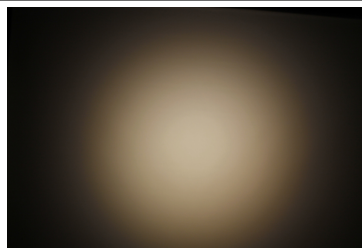
LED LC020C G2
 FWHM 25.0°
 Efficiency 85 %
 Peak intensity 2.488 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15859_HEKLA-SOCKET-I



SEOUL SEMICONDUCTOR
 LED MJT COB LES 6
 FWHM 19.0°
 Efficiency 85 %
 Peak intensity 4.100 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15255_HEKLA-SOCKET-C

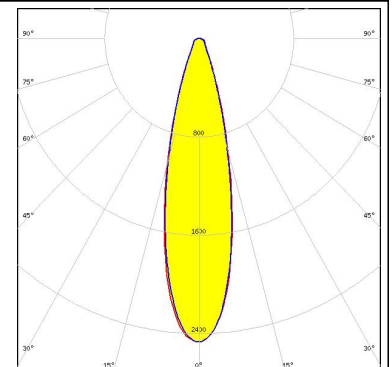
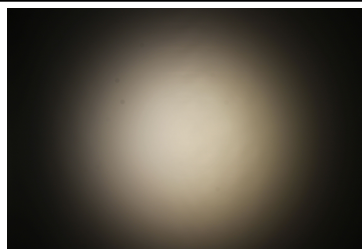


SEOUL SEMICONDUCTOR
 LED MJT COB LES 9.8
 FWHM 27.0°
 Efficiency 83 %
 Peak intensity 2.100 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15255_HEKLA-SOCKET-C



TRIDONIC

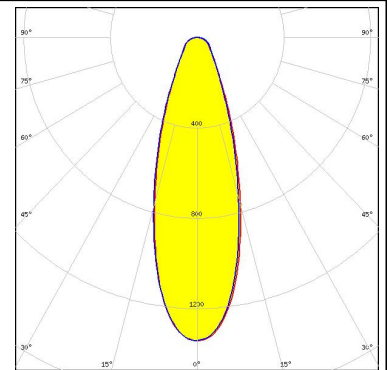
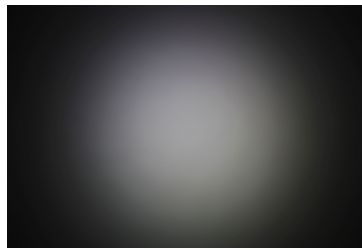
LED SLE G7 LES09
 FWHM 26.0°
 Efficiency 86 %
 Peak intensity 2.500 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15255_HEKLA-SOCKET-C



PHOTOMETRIC DATA (MEASURED):

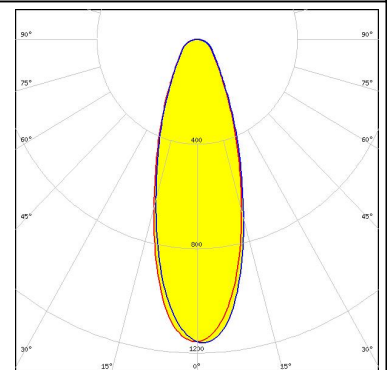
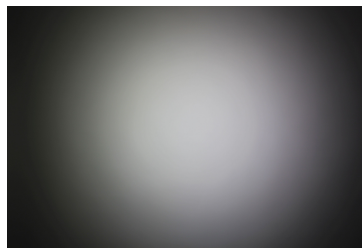
TRIDONIC

LED SLE G7 LES13
 FWHM 33.0°
 Efficiency 81 %
 Peak intensity 1.300 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15859_HEKLA-SOCKET-I



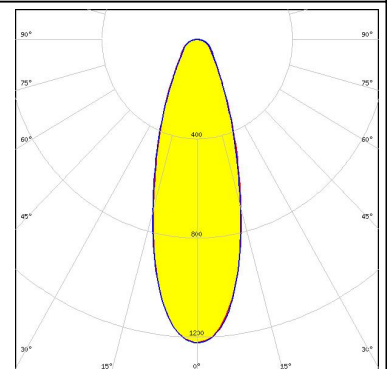
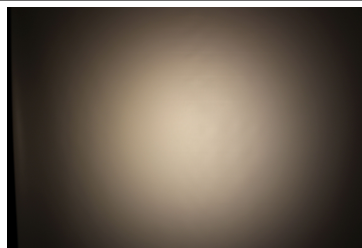
TRIDONIC

LED SLE G7 LES15
 FWHM 34.0°
 Efficiency 80 %
 Peak intensity 1.200 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15859_HEKLA-SOCKET-I



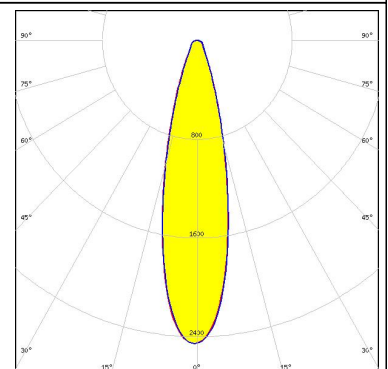
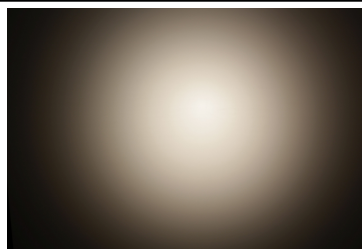
XICATO

LED XOB 14.5 mm
 FWHM 34.0°
 Efficiency 80 %
 Peak intensity 1.223 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15859_HEKLA-SOCKET-I



XICATO

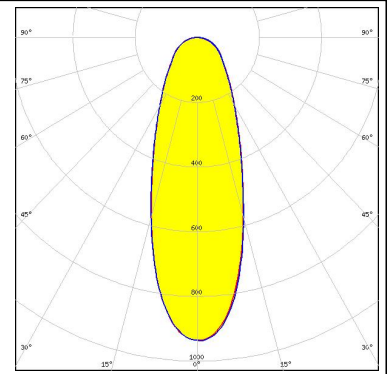
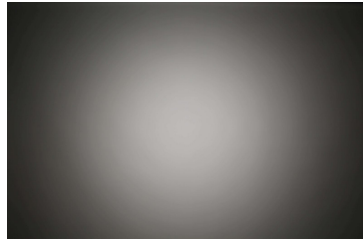
LED XOB 9.8 mm
 FWHM 25.0°
 Efficiency 87 %
 Peak intensity 2.458 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15255_HEKLA-SOCKET-C



PHOTOMETRIC DATA (MEASURED):

XICATO

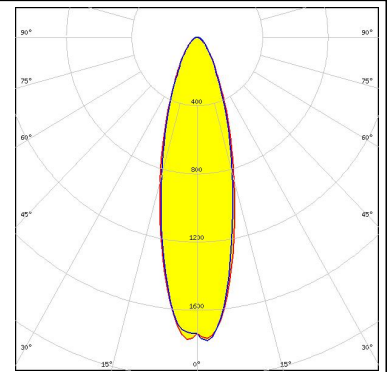
LED XTM - 19mm LES
FWHM 36.0°
Efficiency 80 %
Peak intensity 0.940 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C16058_XTM-ADAPTER-50-C



PHOTOMETRIC DATA (SIMULATED):

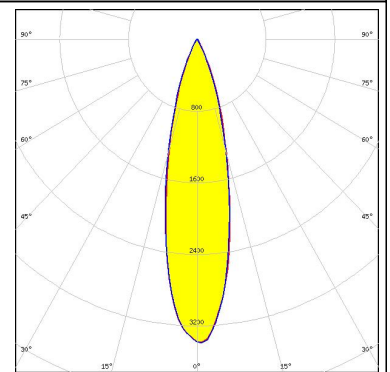
CITIZEN

LED CLL03x/CLU03x
 FWHM 28.0°
 Efficiency 82 %
 Peak intensity 1.820 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15859_HEKLA-SOCKET-I



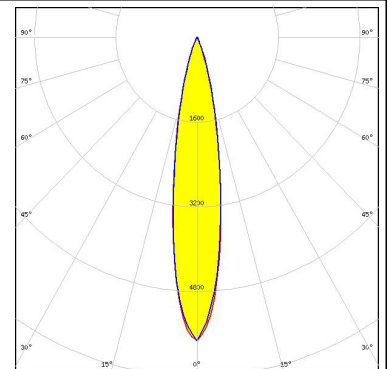
CREE

LED CMT14xx
 FWHM 16.0°
 Efficiency 83 %
 Peak intensity 3.390 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15255_HEKLA-SOCKET-C



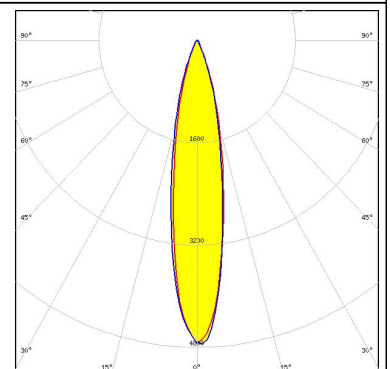
NICHIA

LED COB T-Type
 FWHM 19.0°
 Efficiency 85 %
 Peak intensity 5.730 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15848_HEKLA-SOCKET-G



TRIDONIC

LED SLE G6 LES10
 FWHM 20.0°
 Efficiency 93 %
 Peak intensity 4.760 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15255_HEKLA-SOCKET-C



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.

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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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