

MIRELLA-G2-S

~15° spot beam. Compatible with LEDiL HEKLA.

SPECIFICATION:

Dimensions	Ø 49.9 mm
Height	22.6 mm
Fastening	socket
ROHS compliant	yes ⓘ

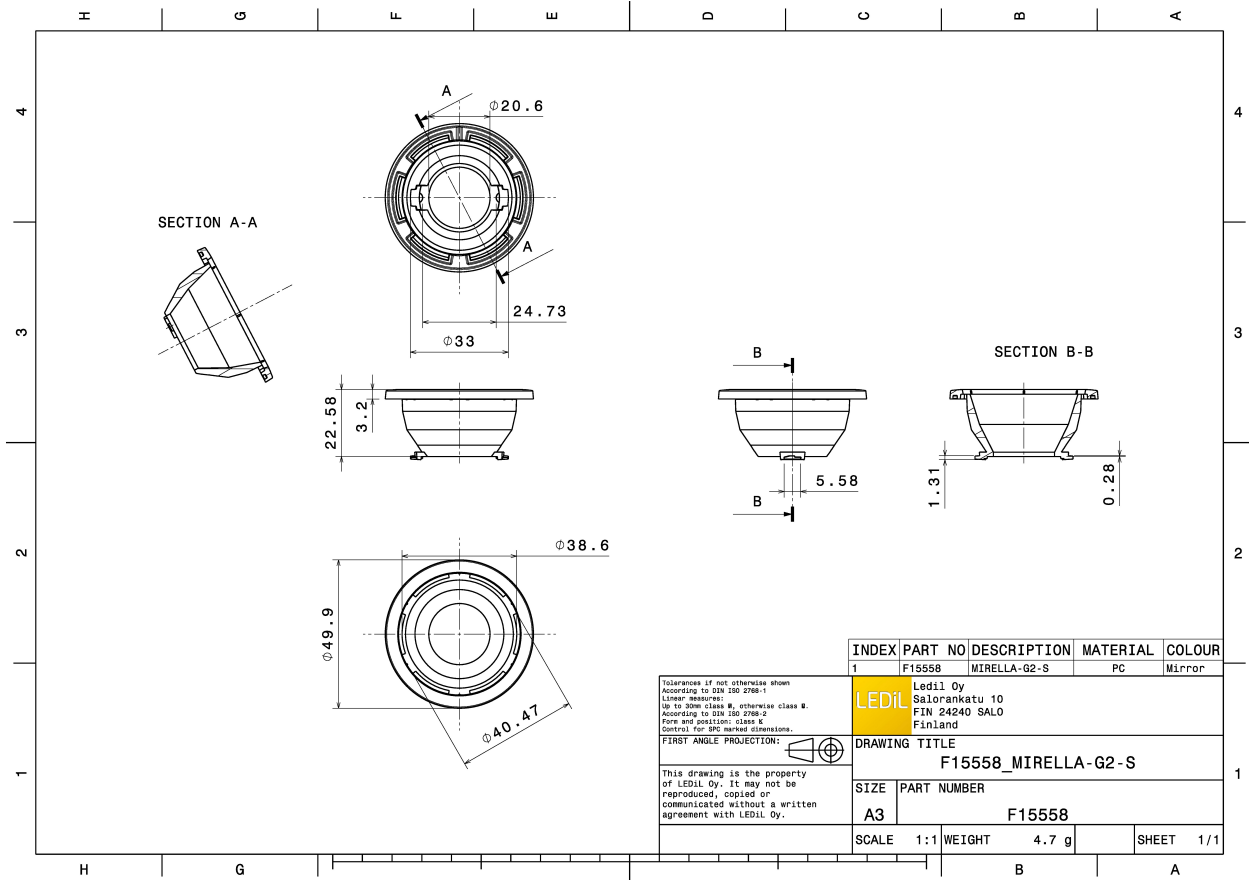
MATERIALS:

Component	Type	Material	Colour	Finish	Coating
MIRELLA-G2-S	Reflector	PC	metal		

ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
F15558_MIRELLA-G2-S » Box size: 480 x 280 x 300 mm	336		28	3.2





INDEX	PART NO	DESCRIPTION	MATERIAL	COLOUR
1	F15558	MIRELLA-G2-S	PC	Mirror

Tolerances if not otherwise shown according to DIN ISO 2768-1
 Linear measures:
 up to 30mm class M, otherwise class N.
 According to DIN ISO 2768-2
 Form and position: class K
 Control: for DPC marked dimensions.



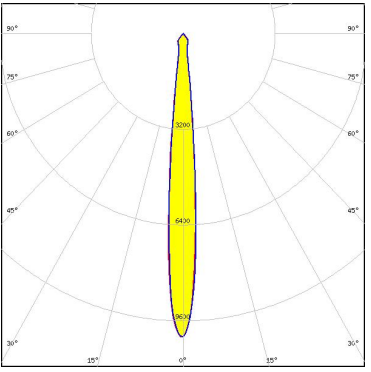


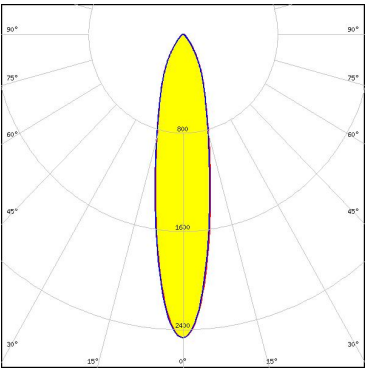


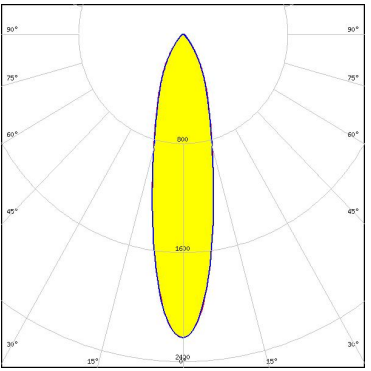


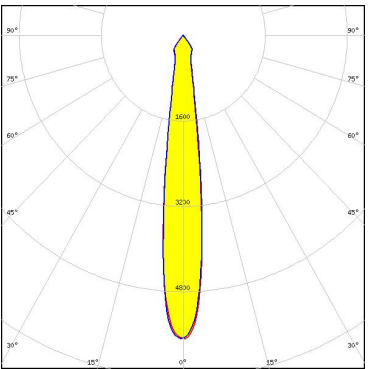
FIRST ANGLE PROJECTION:

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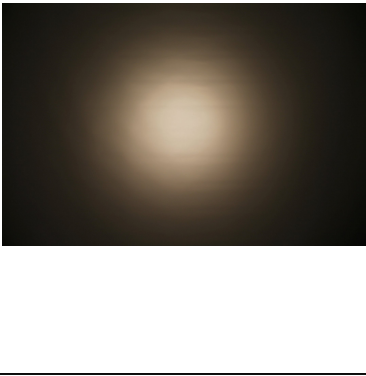
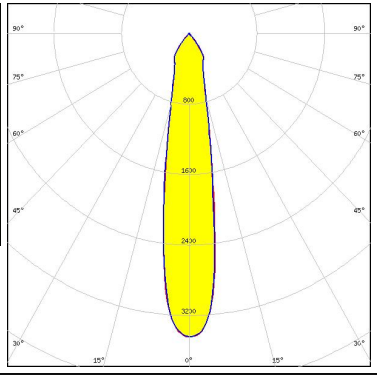

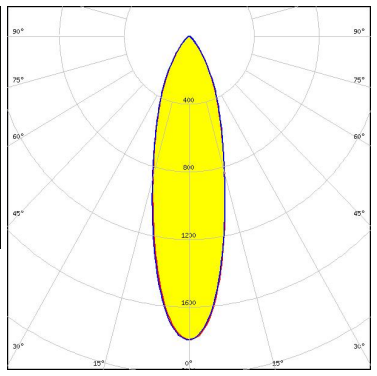

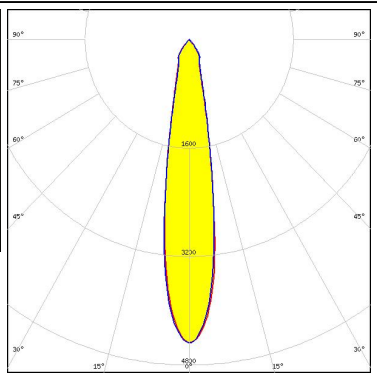

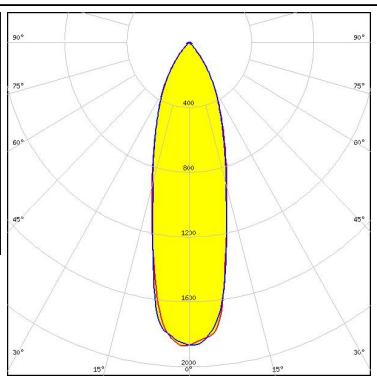
DRAWING TITLE					
F15558_MIRELLA-G2-S					
SIZE	PART NUMBER				
A3	F15558				
SCALE	1:1	WEIGHT	4.7 g	SHEET	1/1

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



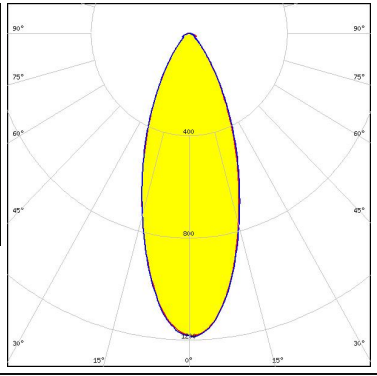


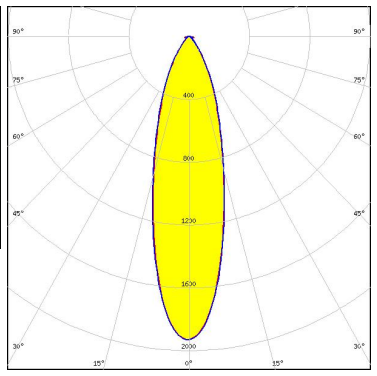


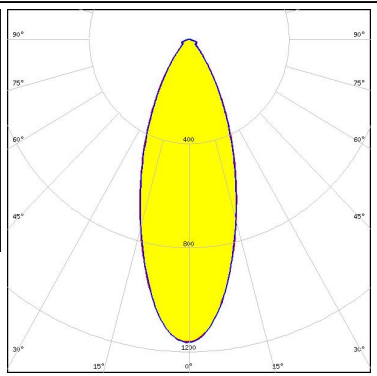


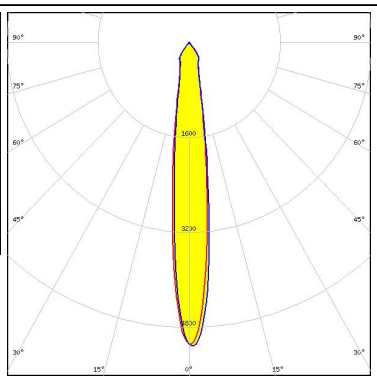
OPTICAL RESULTS (MEASURED):

<p></p> <p>LED V4 HD Gen 7 FWHM / FWTM 10.0° / 21.0° Efficiency 89 % Peak intensity 10.1 cd/lm LEDs/each optic 1 Light colour White Required components: F15253_HEKLA-SOCKET-A</p>		
<p></p> <p>LED V4 HD Gen 7 FWHM / FWTM 22.0° / 62.0° Efficiency 80 % Peak intensity 2.5 cd/lm LEDs/each optic 1 Light colour White Required components: F15253_HEKLA-SOCKET-A C13723_MIRELLA-RZL</p>		
<p></p> <p>LED V6 HD Gen 7 FWHM / FWTM 24.0° / 65.0° Efficiency 80 % Peak intensity 2.3 cd/lm LEDs/each optic 1 Light colour White Required components: F15255_HEKLA-SOCKET-C C13723_MIRELLA-RZL</p>		
<p></p> <p>LED V6 HD Gen 7 FWHM / FWTM 14.0° / 33.0° Efficiency 87 % Peak intensity 5.7 cd/lm LEDs/each optic 1 Light colour White Required components: F15255_HEKLA-SOCKET-C</p>		


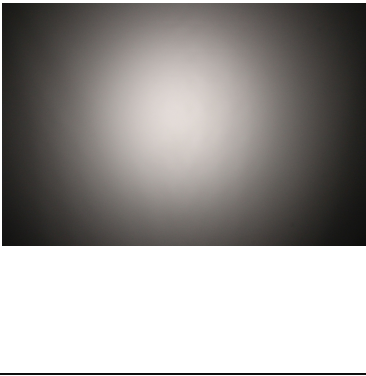
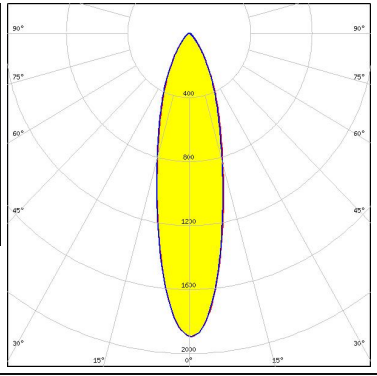


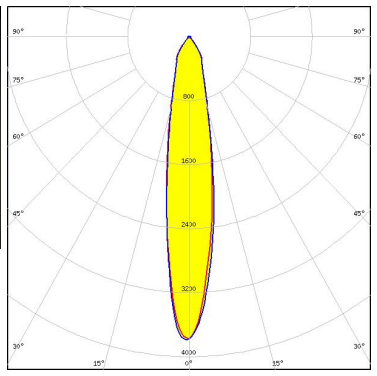


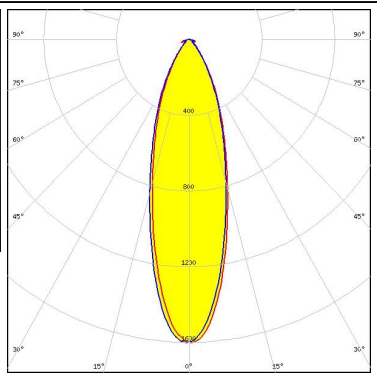

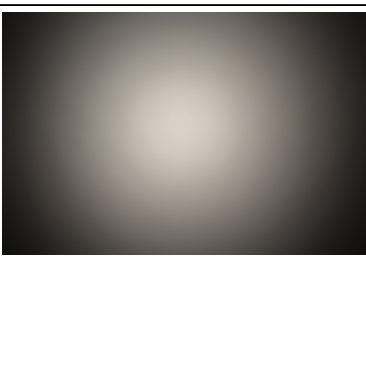
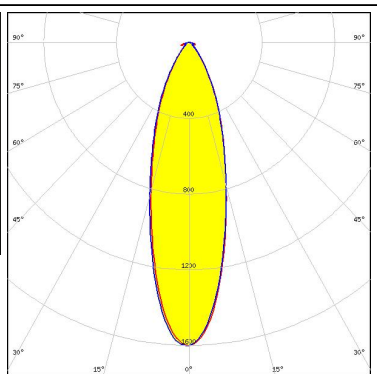
OPTICAL RESULTS (MEASURED):

<p>bridgelux.</p> <p>LED V9 HD Gen7</p> <p>FWHM / FWTM 19.0° / 59.0°</p> <p>Efficiency 85 %</p> <p>Peak intensity 3.4 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: F15859_HEKLA-SOCKET-I</p>		
<p>bridgelux.</p> <p>LED V9 HD Gen7</p> <p>FWHM / FWTM 29.0° / 69.0°</p> <p>Efficiency 77 %</p> <p>Peak intensity 1.8 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: F15859_HEKLA-SOCKET-I C13723_MIRELLA-RZL</p>		
<p>bridgelux.</p> <p>LED VERO10</p> <p>FWHM / FWTM 19.0° / 44.0°</p> <p>Efficiency 91 %</p> <p>Peak intensity 4.5 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 DTW 13mm (21W)</p> <p>FWHM / FWTM 30.0° / 72.0°</p> <p>Efficiency 82 %</p> <p>Peak intensity 1.9 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></p> <p>LED Vesta DTW 13mm (21W) FWHM / FWTM 39.0° / 78.0° Efficiency 74 % Peak intensity 1.2 cd/lm LEDs/each optic 1 Light colour Tunable White</p> <p>Required components: C16142_HEKLA-SOCKET-K C13723_MIRELLA-RZL Bender Wirth: 491 Typ L8</p>		
<p></p> <p>LED Vesta DTW 9mm (4W/6W/12W) FWHM / FWTM 28.0° / 66.0° Efficiency 79 % Peak intensity 1.9 cd/lm LEDs/each optic 1 Light colour White</p> <p>Required components: C16142_HEKLA-SOCKET-K C13723_MIRELLA-RZL Bender Wirth: 490 Typ L8</p>		
<p></p> <p>LED Vesta TW 13mm (25W) CSP FWHM / FWTM 39.0° / 77.0° Efficiency 72 % Peak intensity 1.2 cd/lm LEDs/each optic 1 Light colour White</p> <p>Required components: C16142_HEKLA-SOCKET-K C13723_MIRELLA-RZL Bender Wirth: 492 Typ L8</p>		
<p></p> <p>LED Vesta TW 6mm DP FWHM / FWTM 14.0° / 37.0° Efficiency 82 % Peak intensity 5.1 cd/lm LEDs/each optic 1 Light colour White</p> <p>Required components: C16142_HEKLA-SOCKET-K Bender Wirth: 504 Typ L8</p>		

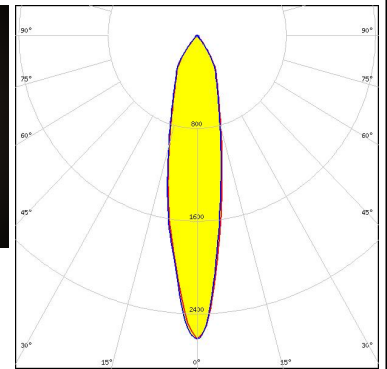
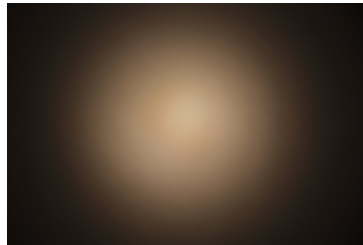
OPTICAL RESULTS (MEASURED):

<p></p> <p>LED Vesta TW 6mm DP</p> <p>FWHM / FWTM 26.0° / 66.0°</p> <p>Efficiency 75 %</p> <p>Peak intensity 1.9 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p> <ul style="list-style-type: none"> C16142_HEKLA-SOCKET-K C13723_MIRELLA-RZL <p>Bender Wirth: 504 Typ L8</p>		
<p></p> <p>LED Vesta TW 9mm (12W) CSP</p> <p>FWHM / FWTM 18.0° / 52.0°</p> <p>Efficiency 85 %</p> <p>Peak intensity 3.8 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p> <ul style="list-style-type: none"> C16142_HEKLA-SOCKET-K <p>Bender Wirth: 490 Typ L8</p>		
<p></p> <p>LED Vesta TW 9mm (12W) CSP</p> <p>FWHM / FWTM 30.0° / 69.0°</p> <p>Efficiency 75 %</p> <p>Peak intensity 1.6 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p> <ul style="list-style-type: none"> C16142_HEKLA-SOCKET-K C13723_MIRELLA-RZL <p>Bender Wirth: 489 Typ L8</p>		
<p></p> <p>LED Vesta TW 9mm (12W) CSP</p> <p>FWHM / FWTM 30.0° / 69.0°</p> <p>Efficiency 75 %</p> <p>Peak intensity 1.6 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p> <ul style="list-style-type: none"> C16142_HEKLA-SOCKET-K <p>Bender Wirth: 489 Typ L8</p>		

OPTICAL RESULTS (MEASURED):

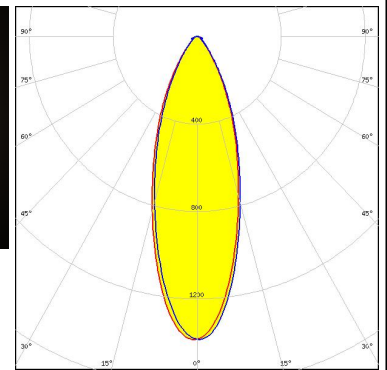
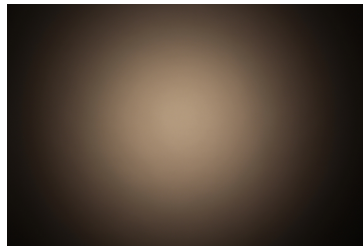
CITIZEN

LED CLC020 Series (Dim-To-Warm)
 FWHM / FWTM 21.0° / 67.0°
 Efficiency 81 %
 Peak intensity 2.6 cd/m
 LEDs/each optic 1
 Light colour White
 Required components:
 C16142_HEKLA-SOCKET-K



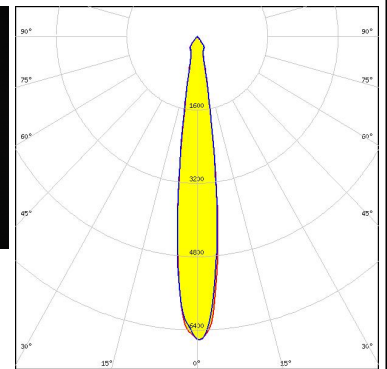
CITIZEN

LED CLC020 Series (Dim-To-Warm)
 FWHM / FWTM 34.0° / 73.0°
 Efficiency 74 %
 Peak intensity 1.4 cd/m
 LEDs/each optic 1
 Light colour White
 Required components:
 C16142_HEKLA-SOCKET-K
 C13723_MIRELLA-RZL
 Bender Wirth: 487 Typ L8



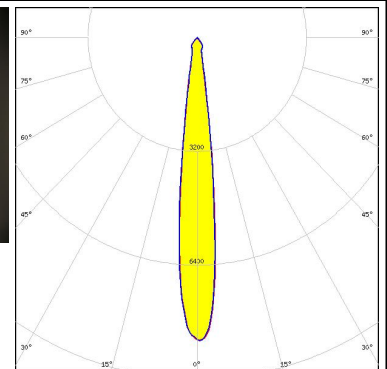
CITIZEN

LED CLU025/CLU027 (LES 6)
 FWHM / FWTM 15.0° / 30.0°
 Efficiency 88 %
 Peak intensity 6.6 cd/m
 LEDs/each optic 1
 Light colour White
 Required components:
 F15255_HEKLA-SOCKET-C



CITIZEN

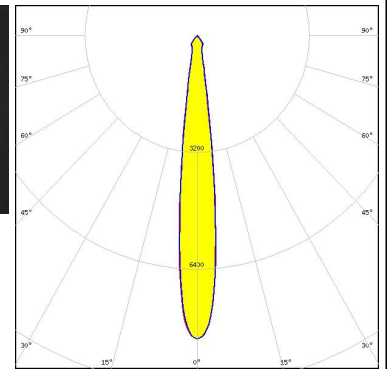
LED CLU700/701/702/703
 FWHM / FWTM 13.0° / 25.0°
 Efficiency 91 %
 Peak intensity 8.5 cd/m
 LEDs/each optic 1
 Light colour White
 Required components:
 F15255_HEKLA-SOCKET-C



OPTICAL RESULTS (MEASURED):

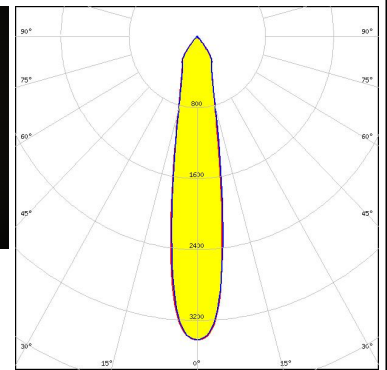
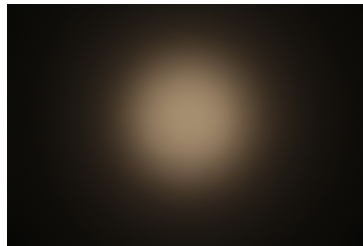
CITIZEN

LED CLU700/701/702/703
 FWHM / FWTM 13.0° / 26.0°
 Efficiency 92 %
 Peak intensity 8.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15255_HEKLA-SOCKET-C



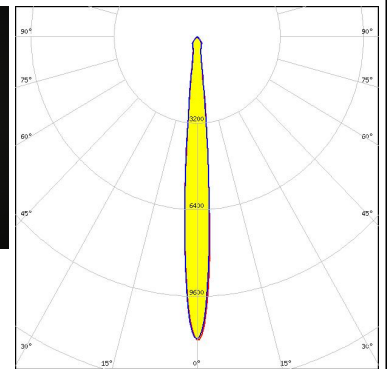
CITIZEN

LED CLU710/711
 FWHM / FWTM 19.0° / 61.0°
 Efficiency 86 %
 Peak intensity 3.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15859_HEKLA-SOCKET-I



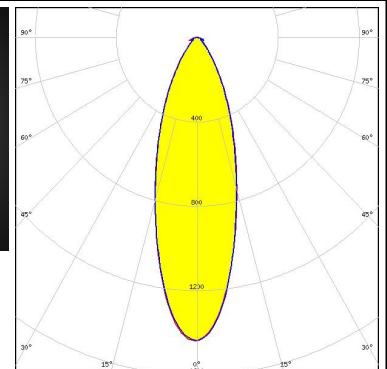
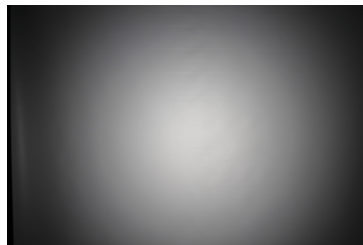
CITIZEN

LED CLU7A2/7A3
 FWHM / FWTM 9.0° / 20.0°
 Efficiency 89 %
 Peak intensity 11 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15255_HEKLA-SOCKET-C



CITIZEN

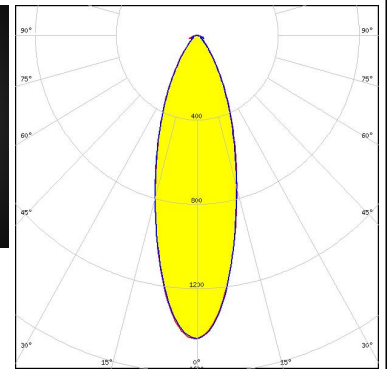
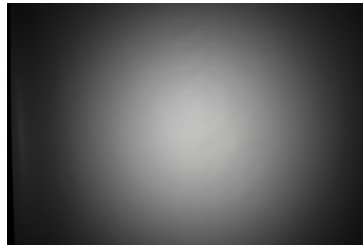
LED LCN-C01B (Tunable White)
 FWHM / FWTM 32.0° / 72.0°
 Efficiency 74 %
 Peak intensity 1.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C16142_HEKLA-SOCKET-K
 C13723_MIRELLA-RZL
 Bender Wirth: 481 Typ L8



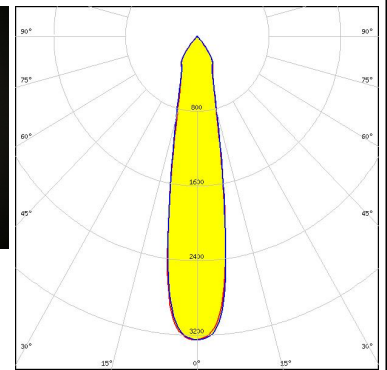
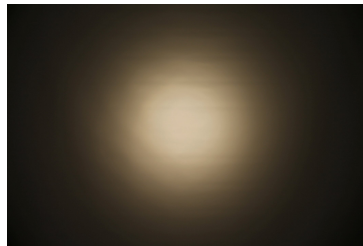
OPTICAL RESULTS (MEASURED):

CITIZEN

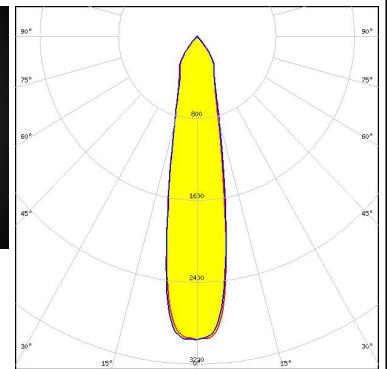
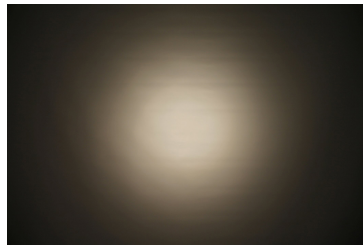
LED LCN-C01B (Tunable White)
 FWHM / FWTM 32.0° / 72.0°
 Efficiency 74 %
 Peak intensity 1.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C16142_HEKLA-SOCKET-K
 C13723_MIRELLA-RZL
 Bender Wirth: 481 Typ L8



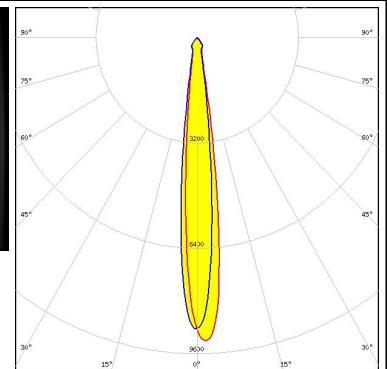
LED CMA1516
 FWHM / FWTM 21.0° / 65.0°
 Efficiency 88 %
 Peak intensity 3.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15256_HEKLA-SOCKET-D




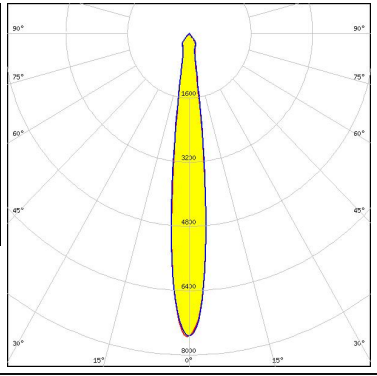

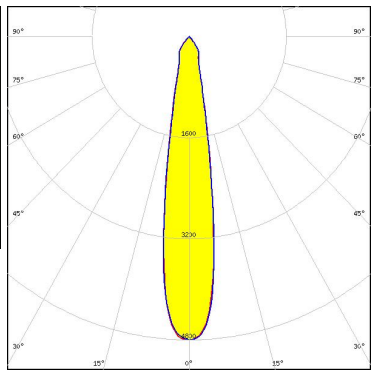

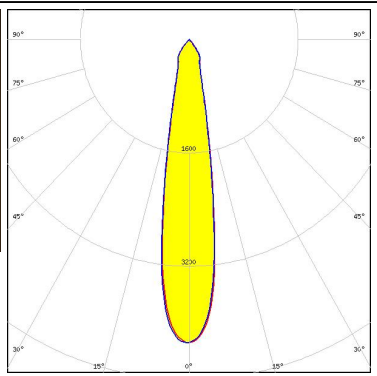
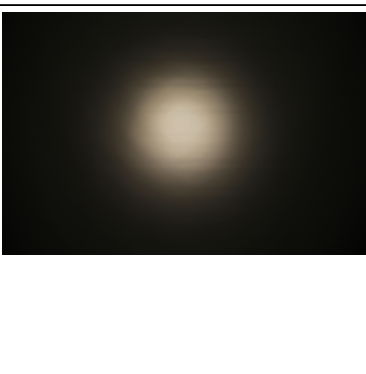
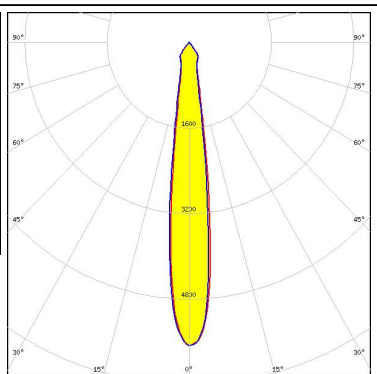
LED CMT14xx
 FWHM / FWTM 22.0° / 67.0°
 Efficiency 87 %
 Peak intensity 3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15255_HEKLA-SOCKET-C




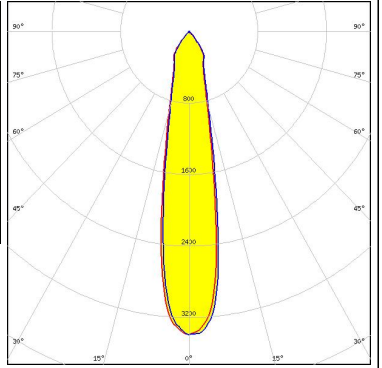

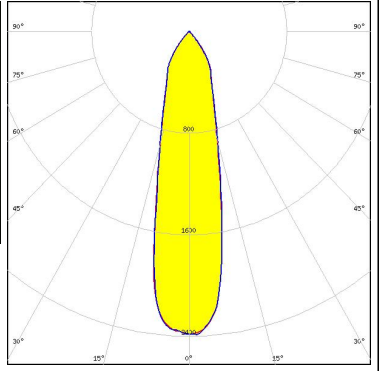
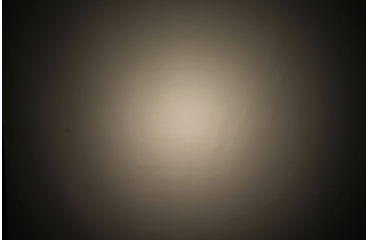
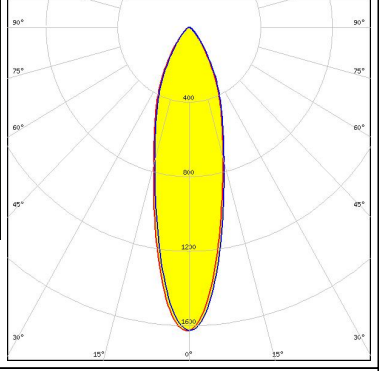

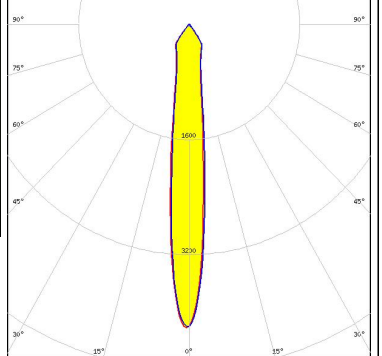
LED CXA/B 13xx
 FWHM / FWTM 12.0° / 25.0°
 Efficiency 93 %
 Peak intensity 9.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15956_HEKLA-SOCKET-J
 C13723_MIRELLA-RZL




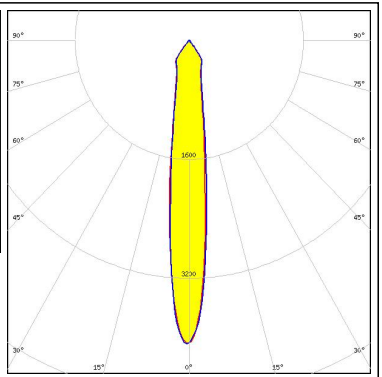

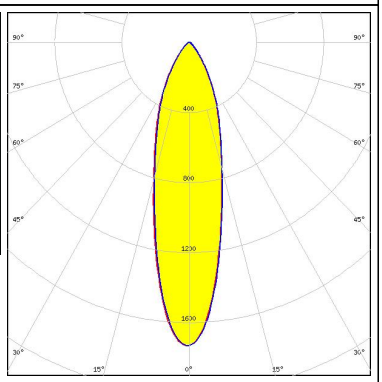

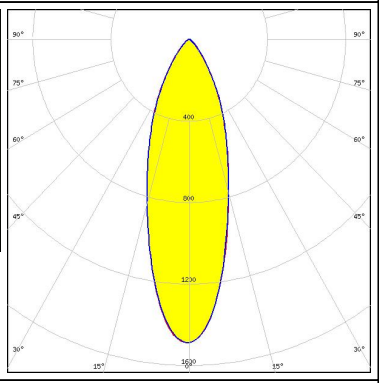

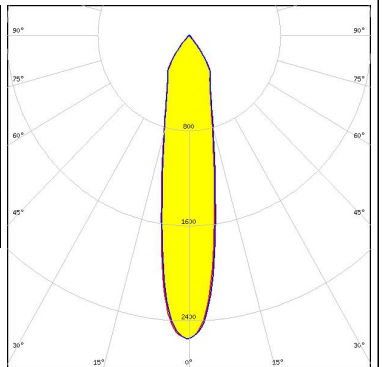
OPTICAL RESULTS (MEASURED):

<p>CREE LEDs</p> <p>LED CXA/B 13xx FWHM / FWTM 13.0° / 27.0° Efficiency 91 % Peak intensity 7.6 cd/lm LEDs/each optic 1 Light colour White Required components: F15956_HEKLA-SOCKET-J</p>		
<p>CREE LEDs</p> <p>LED CXA/B 15xx FWHM / FWTM 18.0° / 40.0° Efficiency 93 % Peak intensity 4.8 cd/lm LEDs/each optic 1 Light colour White Required components: F15256_HEKLA-SOCKET-D</p>		
<p>LUMILEDS</p> <p>LED LUXEON CoB 1202/1203 FWHM / FWTM 19.0° / 44.0° Efficiency 90 % Peak intensity 4.3 cd/lm LEDs/each optic 1 Light colour White Required components: F15858_HEKLA-SOCKET-H</p>		
<p>LUMILEDS</p> <p>LED LUXEON CoB 1202HD FWHM / FWTM 15.0° / 33.0° Efficiency 87 % LEDs/each optic 1 Light colour White Required components: F15848_HEKLA-SOCKET-G</p>		


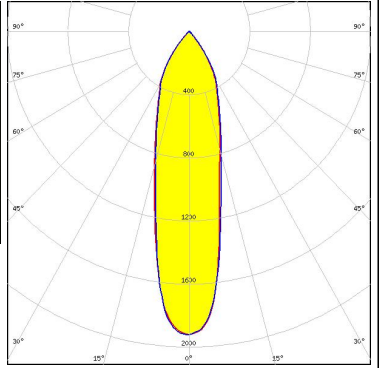
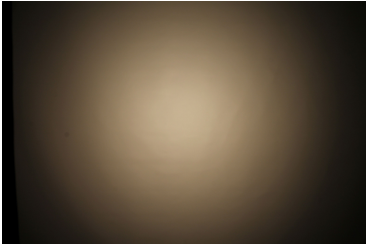
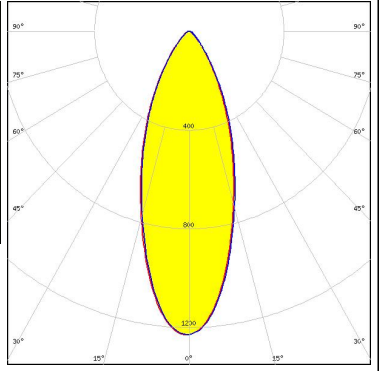
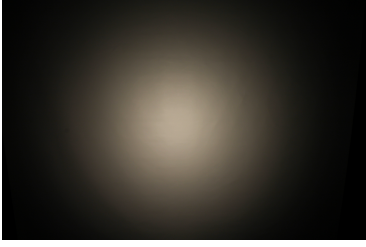
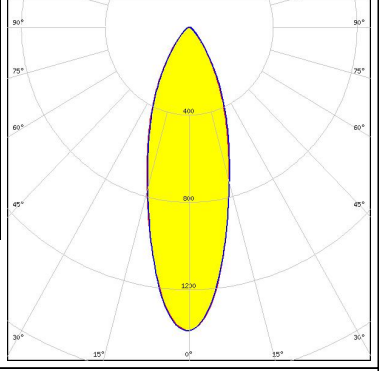

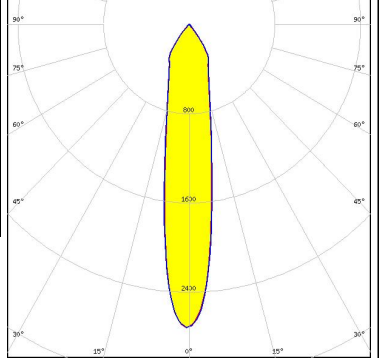
OPTICAL RESULTS (MEASURED):

<p>LUMILEDS</p> <p>LED LUXEON CoB 1204HD</p> <p>FWHM / FWTM 20.0° / 62.0°</p> <p>Efficiency 88 %</p> <p>Peak intensity 3.4 cd/m</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: F15858_HEKLA-SOCKET-H</p>		
<p>LUMILEDS</p> <p>LED LUXEON CoB 1205HD</p> <p>FWHM / FWTM 25.0° / 71.0°</p> <p>Efficiency 85 %</p> <p>Peak intensity 2.4 cd/m</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: F15858_HEKLA-SOCKET-H</p>		
<p>LUMILEDS</p> <p>LED LUXEON CX Plus CoB - HD S01H4</p> <p>FWHM / FWTM 28.0° / 72.0°</p> <p>Efficiency 73 %</p> <p>Peak intensity 1.6 cd/m</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: C13723_MIRELLA-RZL Bender Wirth: 634c Hekla</p>		
<p>LUMILEDS</p> <p>LED LUXEON CX Plus CoB - HD S01H4</p> <p>FWHM / FWTM 13.0° / 51.0°</p> <p>Efficiency 81 %</p> <p>Peak intensity 4.2 cd/m</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: Bender Wirth: 634c Hekla</p>		


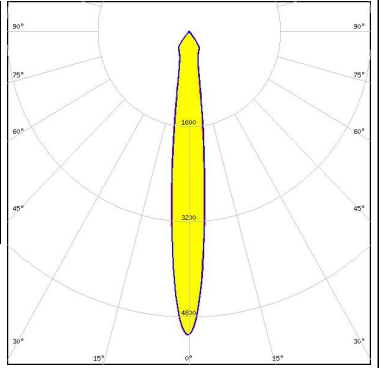

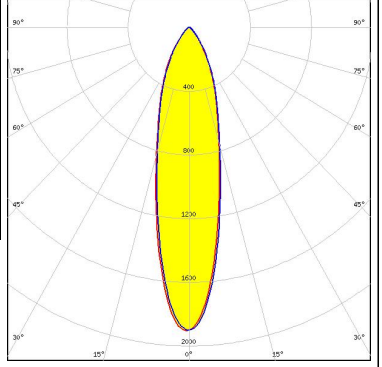
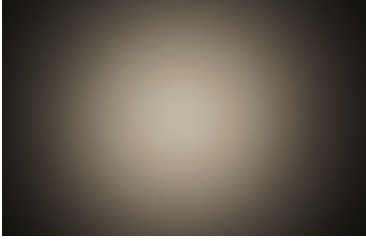
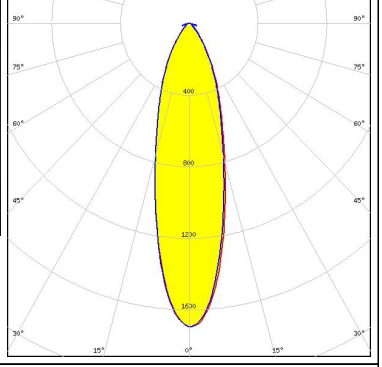

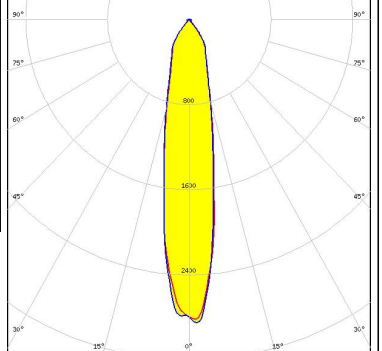
OPTICAL RESULTS (MEASURED):

<p>LUMILEDS</p> <p>LED LUXEON CX Plus CoB - HD S02H6</p> <p>FWHM / FWTM 15.0° / 50.0°</p> <p>Efficiency 81 %</p> <p>Peak intensity 4.1 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: Bender Wirth: 634c Hekla</p>		
<p>LUMILEDS</p> <p>LED LUXEON CX Plus CoB - HD S02H6</p> <p>FWHM / FWTM 27.0° / 70.0°</p> <p>Efficiency 74 %</p> <p>Peak intensity 1.7 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: C13723_MIRELLA-RZL Bender Wirth: 634c Hekla</p>		
<p>LUMILEDS</p> <p>LED LUXEON CX Plus CoB - HD S04H9</p> <p>FWHM / FWTM 32.0° / 74.0°</p> <p>Efficiency 75 %</p> <p>Peak intensity 1.5 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: C13723_MIRELLA-RZL Bender Wirth: 634c Hekla</p>		
<p>LUMILEDS</p> <p>LED LUXEON CX Plus CoB - HD S04H9</p> <p>FWHM / FWTM 21.0° / 71.0°</p> <p>Efficiency 82 %</p> <p>Peak intensity 2.6 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: Bender Wirth: 634c Hekla</p>		

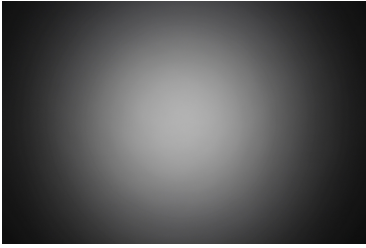
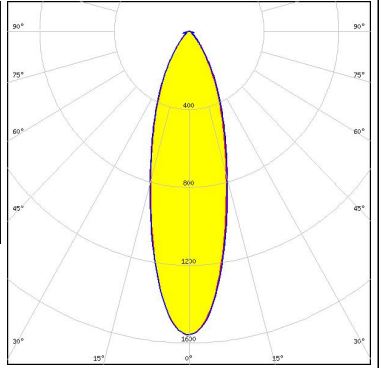
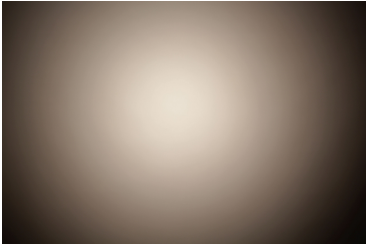
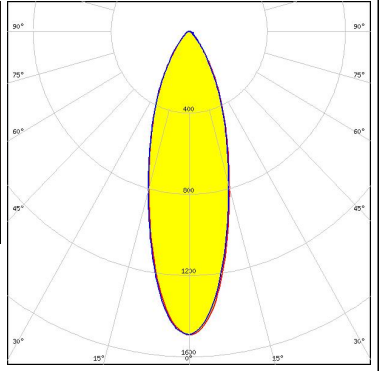

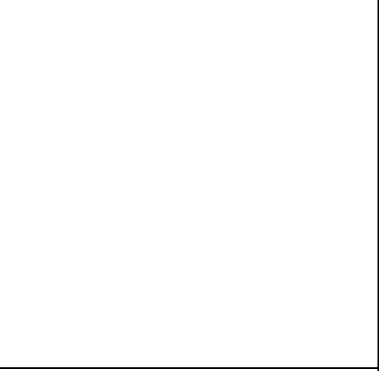

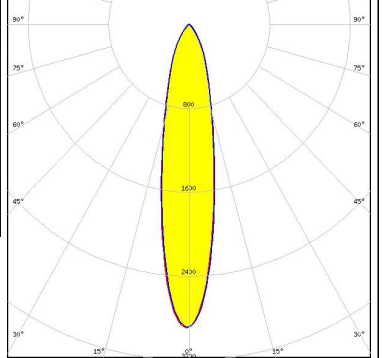
OPTICAL RESULTS (MEASURED):

<p>LUMILEDS</p> <p>LED LUXEON CX Plus CoB L04 / L05 (Gen2)</p> <p>FWHM / FWTM 26.0° / 74.0°</p> <p>Efficiency 80 %</p> <p>Peak intensity 1.9 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: Bender Wirth: 637a Hekla</p>		
<p>LUMILEDS</p> <p>LED LUXEON CX Plus CoB L04 / L05 (Gen2)</p> <p>FWHM / FWTM 38.0° / 77.0°</p> <p>Efficiency 72 %</p> <p>Peak intensity 1.2 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: C13723_MIRELLA-RZL Bender Wirth: 637a Hekla</p>		
<p>LUMILEDS</p> <p>LED LUXEON CX Plus CoB M02 / M03 (Gen2)</p> <p>FWHM / FWTM 33.0° / 75.0°</p> <p>Efficiency 72 %</p> <p>Peak intensity 1.4 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: C13723_MIRELLA-RZL Bender Wirth: 641a Hekla</p>		
<p>LUMILEDS</p> <p>LED LUXEON CX Plus CoB M02 / M03 (Gen2)</p> <p>FWHM / FWTM 19.0° / 70.0°</p> <p>Efficiency 80 %</p> <p>Peak intensity 2.7 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: Bender Wirth: 641a Hekla</p>		

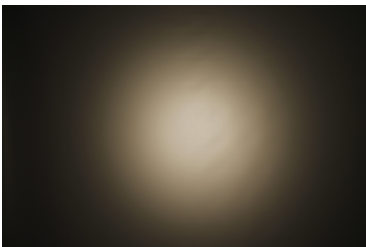
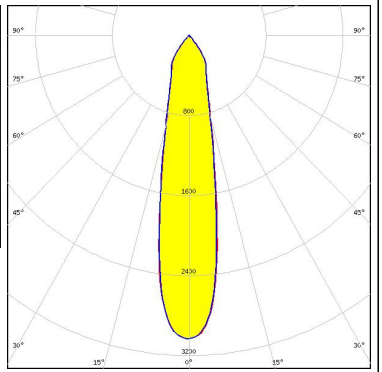

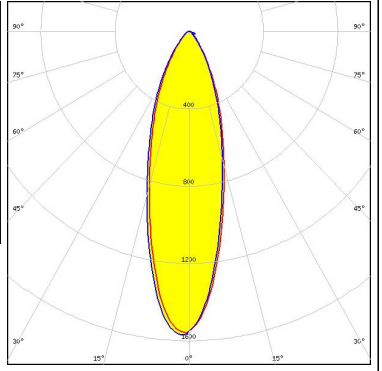
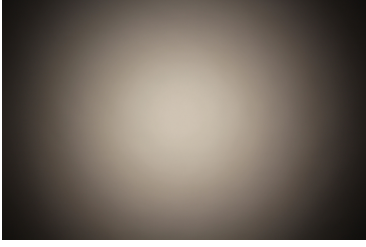
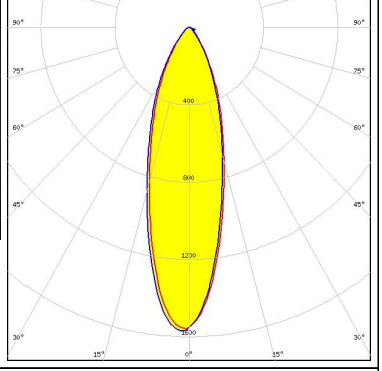

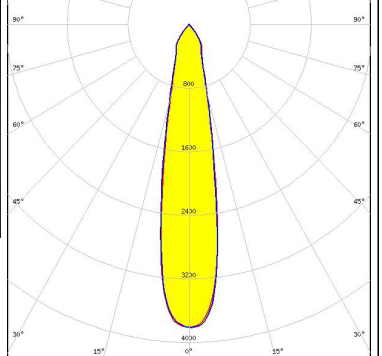
OPTICAL RESULTS (MEASURED):

<p>LUMILEDS</p> <p>LED LUXEON CX Plus CoB S01 (Gen2)</p> <p>FWHM / FWTM 13.0° / 37.0°</p> <p>Efficiency 82 %</p> <p>Peak intensity 5.1 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: Bender Wirth: 634c Hekla</p>		
<p>LUMILEDS</p> <p>LED LUXEON CX Plus CoB S01 (Gen2)</p> <p>FWHM / FWTM 25.0° / 68.0°</p> <p>Efficiency 74 %</p> <p>Peak intensity 1.9 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: C13723_MIRELLA-RZL Bender Wirth: 634c Hekla</p>		
<p>LUMINUS</p> <p>LED CDM-6 (Dim-To-Warm)</p> <p>FWHM / FWTM 28.0° / 69.0°</p> <p>Efficiency 74 %</p> <p>Peak intensity 1.7 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: C16142_HEKLA-SOCKET-K C13723_MIRELLA-RZL Bender Wirth: 490 Typ L8</p>		
<p>LUMINUS</p> <p>LED CDM-9 (Dim-To-Warm)</p> <p>FWHM / FWTM 20.0° / 65.0°</p> <p>Efficiency 80 %</p> <p>Peak intensity 2.9 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: C16142_HEKLA-SOCKET-K Bender Wirth: 490 Typ L8</p>		

OPTICAL RESULTS (MEASURED):

<p>LUMINUS</p> <p>LED CDM-9 (Dim-To-Warm)</p> <p>FWHM / FWTM 30.0° / 71.0°</p> <p>Efficiency 74 %</p> <p>Peak intensity 1.6 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p> <ul style="list-style-type: none"> C16142_HEKLA-SOCKET-K C13723_MIRELLA-RZL Bender Wirth: 490 Typ L8 		
<p>LUMINUS</p> <p>LED CTM-9 (Tunable White)</p> <p>FWHM / FWTM 32.0° / 72.0°</p> <p>Efficiency 73 %</p> <p>Peak intensity 1.5 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p> <ul style="list-style-type: none"> C16142_HEKLA-SOCKET-K C13723_MIRELLA-RZL Bender Wirth: 495 Typ L8 		
<p>LUMINUS</p> <p>LED CXM-4</p> <p>FWHM / FWTM 11.0° / 19.0°</p> <p>Efficiency 90 %</p> <p>Peak intensity 12.4 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p> <ul style="list-style-type: none"> F15255_HEKLA-SOCKET-C 		
<p>LUMINUS</p> <p>LED CXM-4</p> <p>FWHM / FWTM 21.0° / 57.0°</p> <p>Efficiency 83 %</p> <p>Peak intensity 2.9 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p> <ul style="list-style-type: none"> F15255_HEKLA-SOCKET-C C13723_MIRELLA-RZL 		

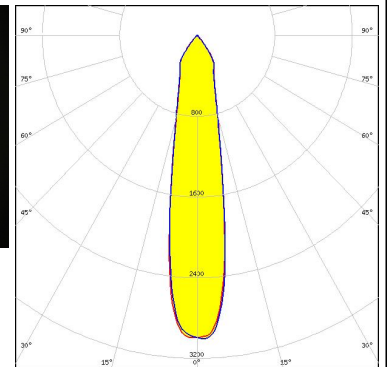
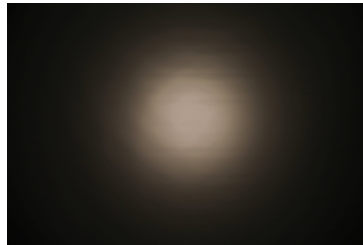
OPTICAL RESULTS (MEASURED):

<p>LUMINUS</p> <p>LED CxM-9 (13.5x13.5)</p> <p>FWHM / FWTM 22.0° / 67.0°</p> <p>Efficiency 88 %</p> <p>Peak intensity 3 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: F15255_HEKLA-SOCKET-C</p>		
<p>NICHIA</p> <p>LED NJCWL024Z-V1MT: COB L-Type Tunable White</p> <p>FWHM / FWTM 30.0° / 69.0°</p> <p>Efficiency 73 %</p> <p>Peak intensity 1.6 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: C16142_HEKLA-SOCKET-K C13723_MIRELLA-RZL Bender Wirth: 497 Typ L8</p>		
<p>NICHIA</p> <p>LED NVCWJ024Z-V1MT: COB J-Type Tunable White</p> <p>FWHM / FWTM 34.0° / 73.0°</p> <p>Efficiency 74 %</p> <p>Peak intensity 1.4 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: C16142_HEKLA-SOCKET-K C13723_MIRELLA-RZL Bender Wirth: 498 Typ L8</p>		
<p>OSRAM Opto Semiconductors</p> <p>LED Soleriq S9</p> <p>FWHM / FWTM 21.0° / 51.0°</p> <p>Efficiency 91 %</p> <p>Peak intensity 3.8 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: F15255_HEKLA-SOCKET-C C12479_MIRELLA-DL</p>		

OPTICAL RESULTS (MEASURED):

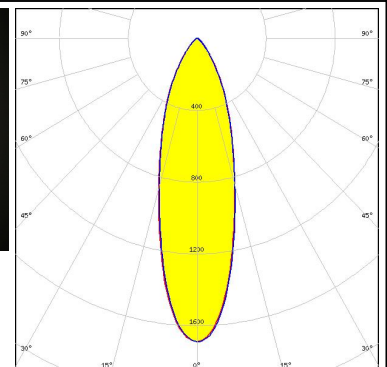
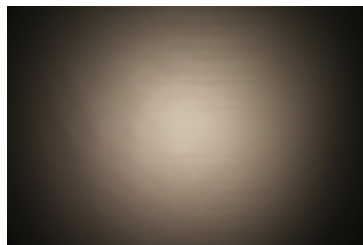
PHILIPS

LED Fortimo SLM L09 CoB
 FWHM / FWTM 20.0° / 67.0°
 Efficiency 85 %
 Peak intensity 3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15858_HEKLA-SOCKET-H



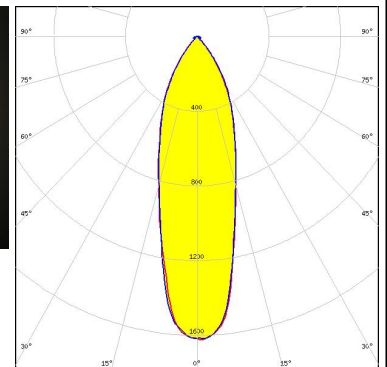
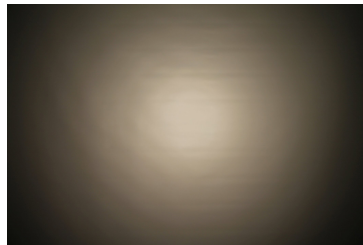
PHILIPS

LED Fortimo SLM L09 CoB
 FWHM / FWTM 30.0° / 71.0°
 Efficiency 78 %
 Peak intensity 1.7 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15858_HEKLA-SOCKET-H
 C13723_MIRELLA-RZL



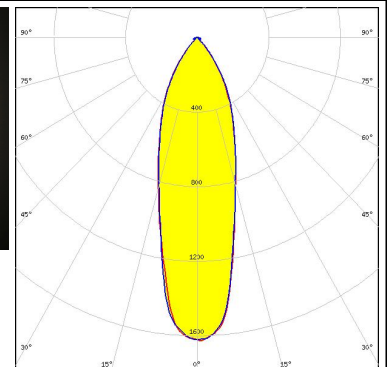
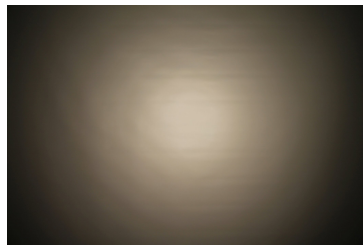
PHILIPS

LED Fortimo SLM L13 CoB
 FWHM / FWTM 30.0° / 75.0°
 Efficiency 78 %
 Peak intensity 1.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C16142_HEKLA-SOCKET-K
 Bender Wirth: 432 Typ L8



PHILIPS

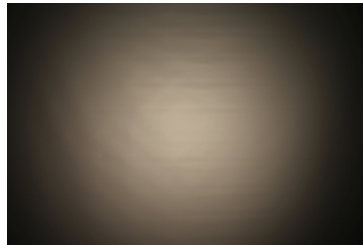
LED Fortimo SLM L13 CoB
 FWHM / FWTM 30.0° / 75.0°
 Efficiency 78 %
 Peak intensity 1.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C16142_HEKLA-SOCKET-K
 Bender Wirth: 432 Typ L8



OPTICAL RESULTS (MEASURED):

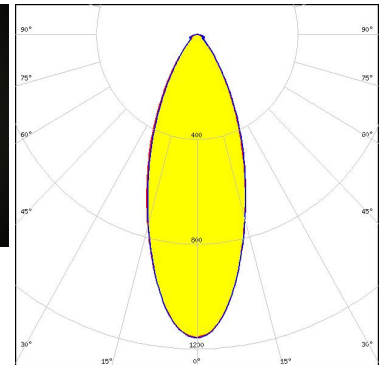
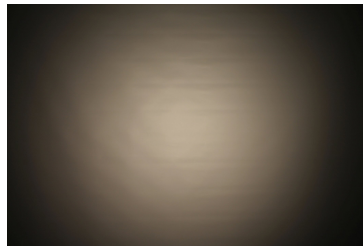
PHILIPS

LED Fortimo SLM L13 CoB
 FWHM / FWTM 39.0° / 78.0°
 Efficiency 72 %
 Peak intensity 1.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C16142_HEKLA-SOCKET-K
 C13723_MIRELLA-RZL
 Bender Wirth: 432 Typ L8



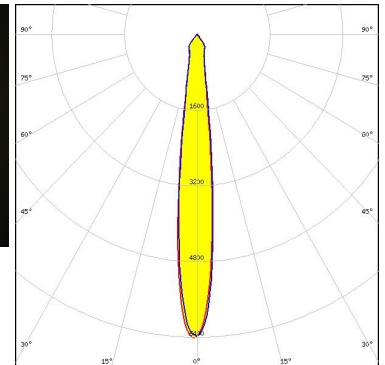
PHILIPS

LED Fortimo SLM L13 CoB
 FWHM / FWTM 39.0° / 78.0°
 Efficiency 72 %
 Peak intensity 1.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C16142_HEKLA-SOCKET-K
 C13723_MIRELLA-RZL
 Bender Wirth: 432 Typ L8



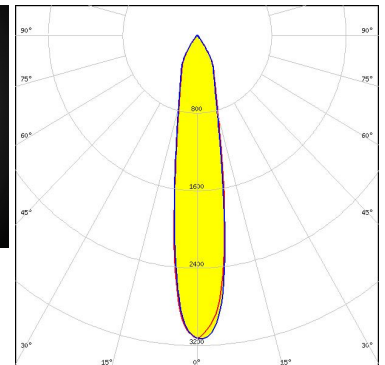
SAMSUNG

LED LC010C G2
 FWHM / FWTM 13.0° / 31.0°
 Efficiency 88 %
 Peak intensity 6.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15255_HEKLA-SOCKET-C



SAMSUNG

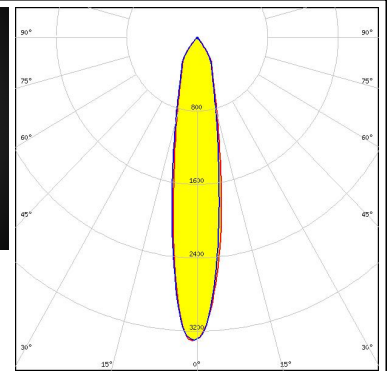
LED LC010T (Tunable White)
 FWHM / FWTM 19.0° / 59.0°
 Efficiency 78 %
 Peak intensity 3.1 cd/lm
 LEDs/each optic 1
 Light colour Tunable White
 Required components:
 C16142_HEKLA-SOCKET-K
 C14658_BARBARA-RZ-LENS
 Bender Wirth: 501 Typ L8



OPTICAL RESULTS (MEASURED):

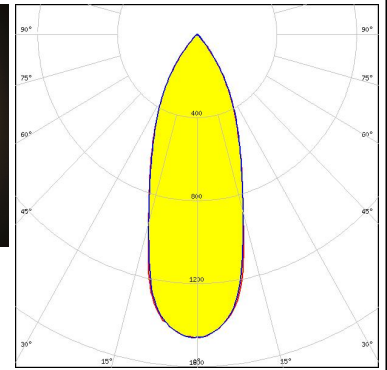
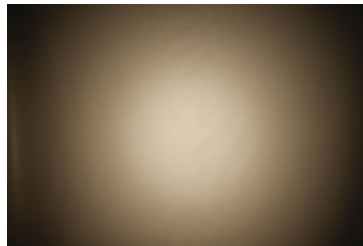
SAMSUNG

LED LC010T (Tunable White)
 FWHM / FWTM 19.0° / 61.0°
 Efficiency 83 %
 Peak intensity 3.3 cd/m
 LEDs/each optic 1
 Light colour Tunable White
 Required components:
 C16142_HEKLA-SOCKET-K
 Bender Wirth: 501 Typ L8



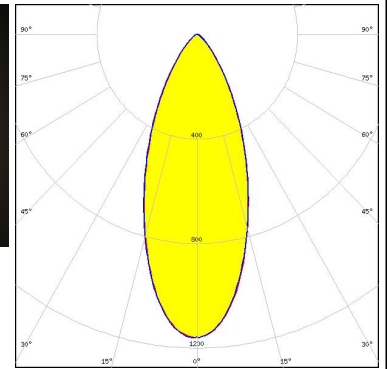
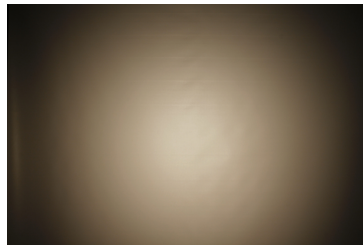
SAMSUNG

LED LC016D / LC019D / LC026D / LC033D
 FWHM / FWTM 37.0° / 75.0°
 Efficiency 79 %
 Peak intensity 1.5 cd/m
 LEDs/each optic 1
 Light colour White
 Required components:
 F15859_HEKLA-SOCKET-I
 C13333_MIRELLA-CL



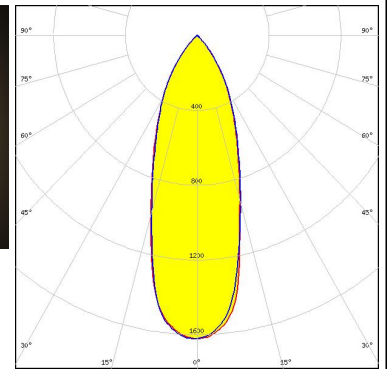
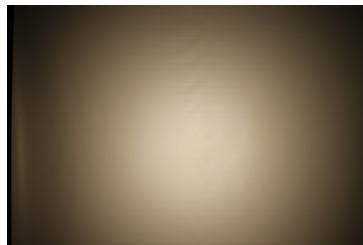
SAMSUNG

LED LC016D / LC019D / LC026D / LC033D
 FWHM / FWTM 41.0° / 80.0°
 Efficiency 75 %
 Peak intensity 1.2 cd/m
 LEDs/each optic 1
 Light colour White
 Required components:
 F15859_HEKLA-SOCKET-I
 C13723_MIRELLA-RZL



SAMSUNG

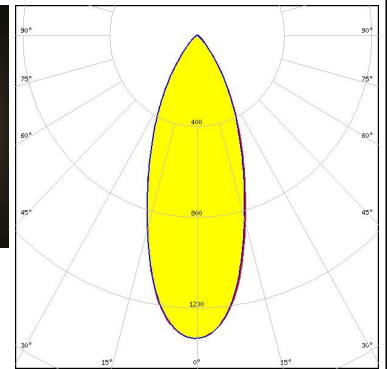
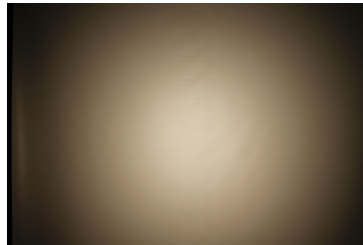
LED LC016D / LC019D / LC026D / LC033D
 FWHM / FWTM 35.0° / 77.0°
 Efficiency 84 %
 Peak intensity 1.6 cd/m
 LEDs/each optic 1
 Light colour White
 Required components:
 F15859_HEKLA-SOCKET-I



OPTICAL RESULTS (MEASURED):

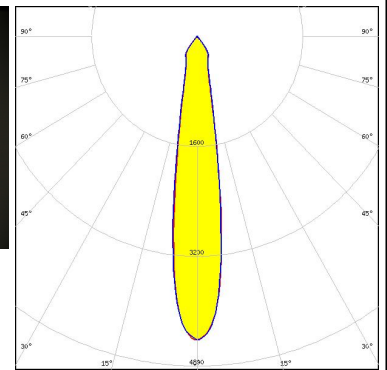
SAMSUNG

LED LC016D / LC019D / LC026D / LC033D
 FWHM / FWTM 39.0° / 76.0°
 Efficiency 77 %
 Peak intensity 1.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15859_HEKLA-SOCKET-I
 C12479_MIRELLA-DL



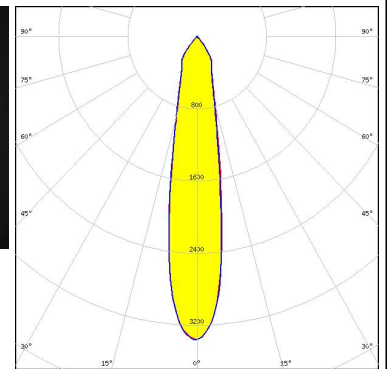
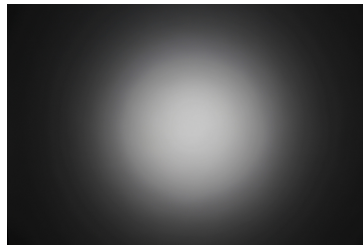
SAMSUNG

LED LC020C
 FWHM / FWTM 18.0° / 44.0°
 Efficiency 90 %
 Peak intensity 4.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15848_HEKLA-SOCKET-G



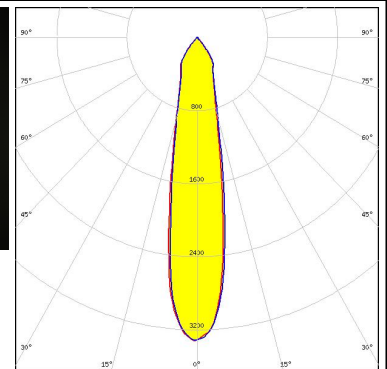
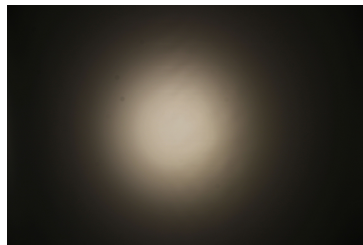
SAMSUNG

LED LC020C G2
 FWHM / FWTM 20.0° / 62.0°
 Efficiency 86 %
 Peak intensity 3.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15859_HEKLA-SOCKET-I



TRIDONIC

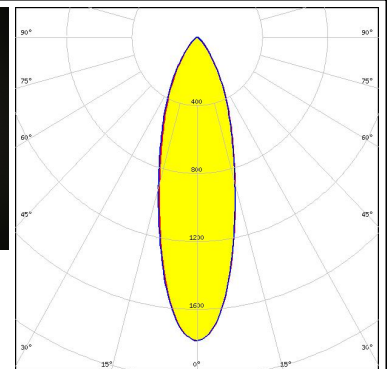
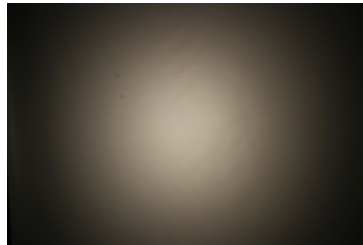
LED SLE G7 LES09
 FWHM / FWTM 21.0° / 66.0°
 Efficiency 90 %
 Peak intensity 3.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15255_HEKLA-SOCKET-C



OPTICAL RESULTS (MEASURED):

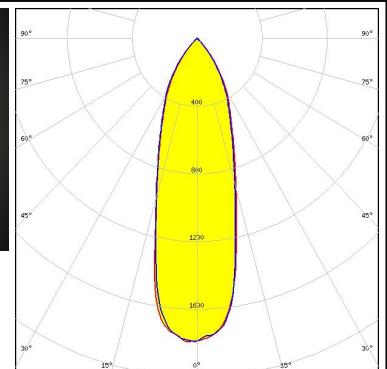
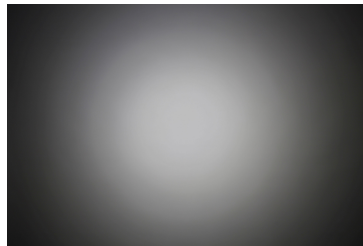
TRIDONIC

LED SLE G7 LES09
 FWHM / FWTM 30.0° / 71.0°
 Efficiency 83 %
 Peak intensity 1.8 cd/m
 LEDs/each optic 1
 Light colour White
 Required components:
 F15255_HEKLA-SOCKET-C
 C13723_MIRELLA-RZL



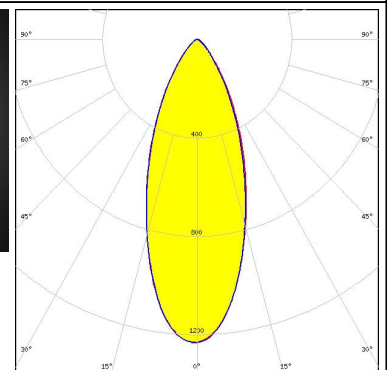
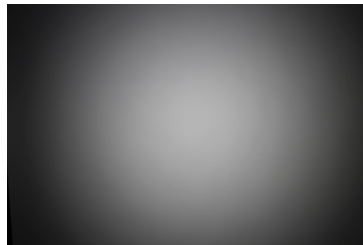
TRIDONIC

LED SLE G7 LES13
 FWHM / FWTM 31.0° / 76.0°
 Efficiency 84 %
 Peak intensity 1.8 cd/m
 LEDs/each optic 1
 Light colour White
 Required components:
 F15859_HEKLA-SOCKET-I



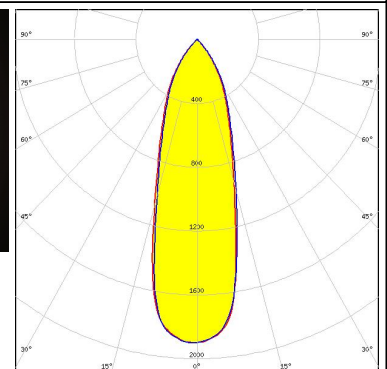
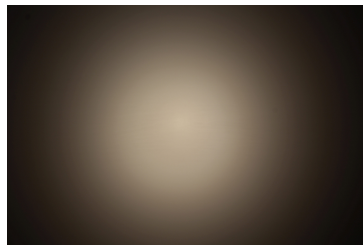
TRIDONIC

LED SLE G7 LES13
 FWHM / FWTM 39.0° / 79.0°
 Efficiency 76 %
 Peak intensity 1.2 cd/m
 LEDs/each optic 1
 Light colour White
 Required components:
 F15859_HEKLA-SOCKET-I
 C13723_MIRELLA-RZL



XICATO

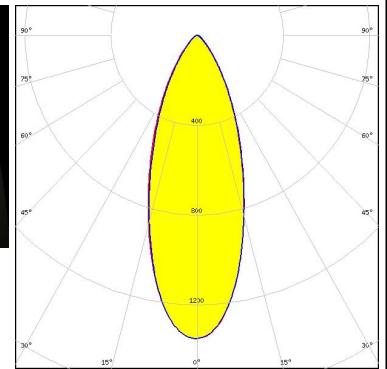
LED XOB 14.5 mm
 FWHM / FWTM 31.0° / 74.0°
 Efficiency 86 %
 Peak intensity 1.9 cd/m
 LEDs/each optic 1
 Light colour White
 Required components:
 F15859_HEKLA-SOCKET-I



OPTICAL RESULTS (MEASURED):

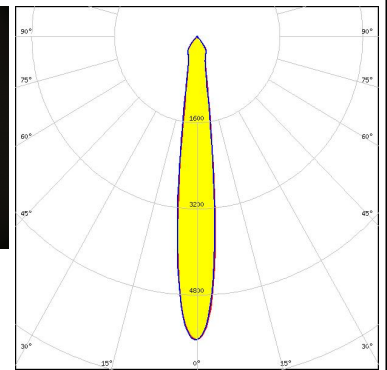
XICATO

LED XOB 14.5 mm
 FWHM / FWTM 38.0° / 77.0°
 Efficiency 78 %
 Peak intensity 1.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15859_HEKLA-SOCKET-I
 C13723_MIRELLA-RZL



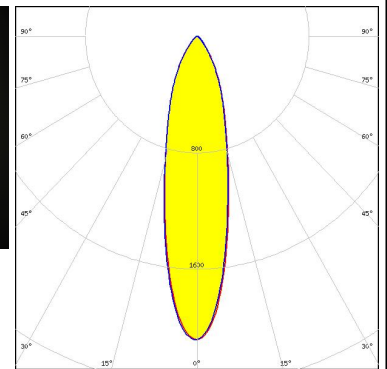
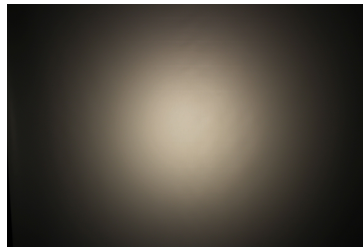
XICATO

LED XOB 6 mm
 FWHM / FWTM 14.0° / 34.0°
 Efficiency 87 %
 Peak intensity 5.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15255_HEKLA-SOCKET-C



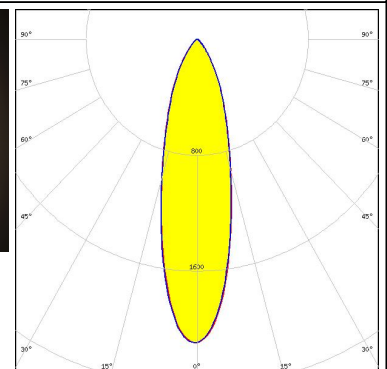
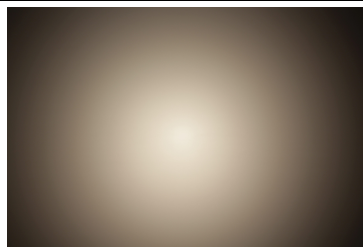
XICATO

LED XOB 6 mm
 FWHM / FWTM 25.0° / 66.0°
 Efficiency 80 %
 Peak intensity 2.1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15255_HEKLA-SOCKET-C
 C13723_MIRELLA-RZL



XICATO

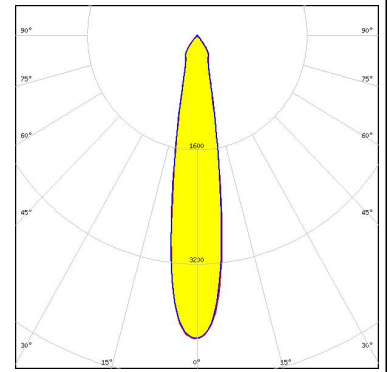
LED XOB 9.8 mm
 FWHM / FWTM 28.0° / 67.0°
 Efficiency 84 %
 Peak intensity 2.1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15255_HEKLA-SOCKET-C
 C13723_MIRELLA-RZL




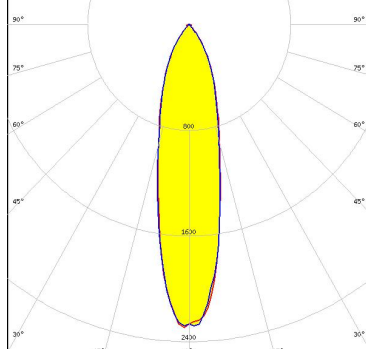
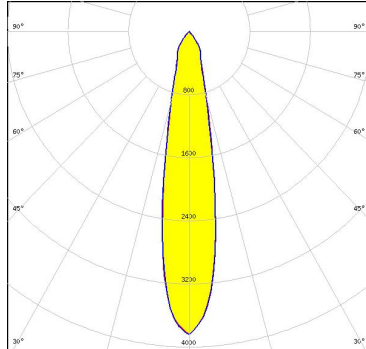

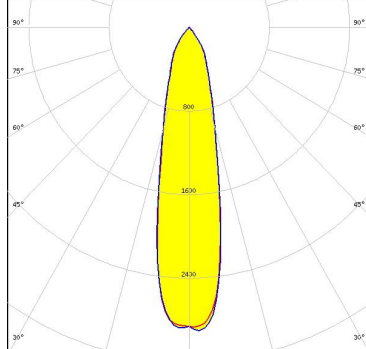

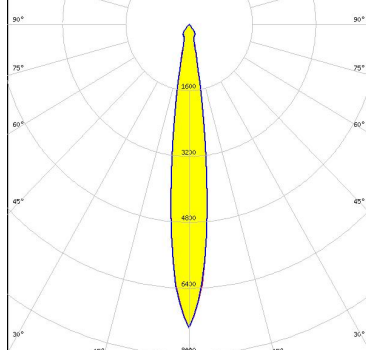
OPTICAL RESULTS (MEASURED):

XICATO


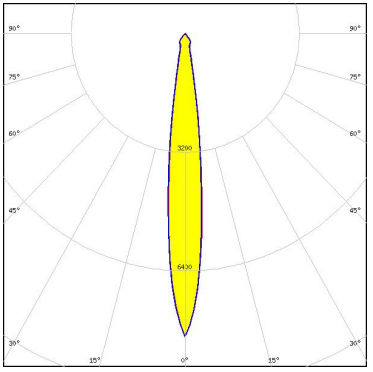

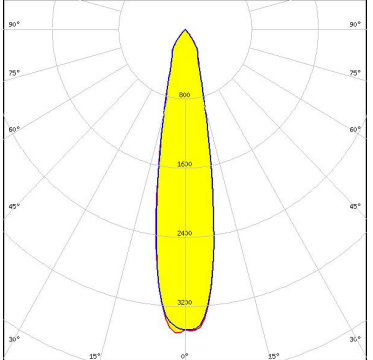
LED XOB 9.8 mm
FWHM / FWTM 19.0° / 46.0°
Efficiency 91 %
Peak intensity 4.2 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F15255_HEKLA-SOCKET-C



OPTICAL RESULTS (SIMULATED):

<p> LED VERO13</p> <p>FWHM / FWTM 25.0° / 66.0°</p> <p>Efficiency 82 %</p> <p>Peak intensity 2.3 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: C16142_HEKLA-SOCKET-K</p>	
<p>CITIZEN</p> <p>LED CLL02x/CLU02x (LES10)</p> <p>FWHM / FWTM 20.0° / 47.7°</p> <p>Efficiency 86 %</p> <p>Peak intensity 3.9 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: F15255_HEKLA-SOCKET-C</p>	
<p> LED COB L-Type (LES 11)</p> <p>FWHM / FWTM 23.0° / 63.0°</p> <p>Efficiency 88 %</p> <p>Peak intensity 2.9 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: F15858_HEKLA-SOCKET-H</p>	
<p> LED COB T-Type</p> <p>FWHM / FWTM 14.0° / 29.0°</p> <p>Efficiency 88 %</p> <p>Peak intensity 7.4 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: F15848_HEKLA-SOCKET-G</p>	

OPTICAL RESULTS (SIMULATED):

<p> SEUL SEMICONDUCTOR</p> <p>LED MJT COB LES 6</p> <p>FWHM / FWTM 13.0° / 27.0°</p> <p>Efficiency 88 %</p> <p>Peak intensity 8.2 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: F15255_HEKLA-SOCKET-C</p>	
<p> SEUL SEMICONDUCTOR</p> <p>LED MJT COB LES 9.8</p> <p>FWHM / FWTM 22.0° / 53.0°</p> <p>Efficiency 87 %</p> <p>Peak intensity 3.5 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: F15255_HEKLA-SOCKET-C</p>	

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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