

## MIRELLA-G2-S

~15° spot beam. Compatible with LEDiL HEKLA.

### TECHNICAL SPECIFICATIONS:

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

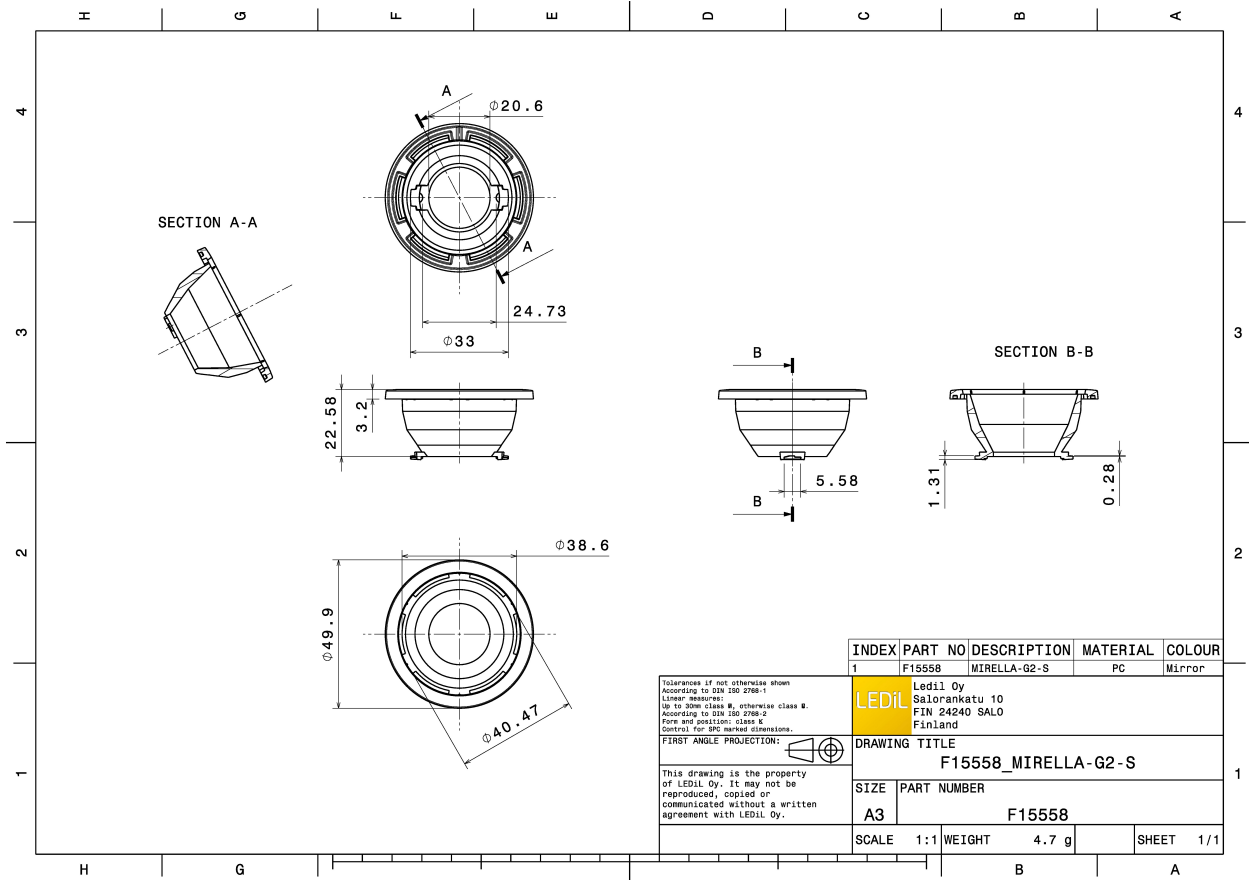
### MATERIAL SPECIFICATIONS:

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 K.  
 According to DIN ISO 2768-2  
 Form and position: class K  
 Control for DNC marked dimensions.


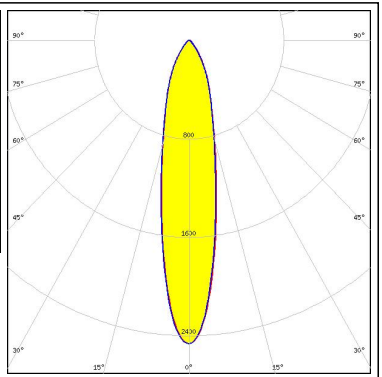

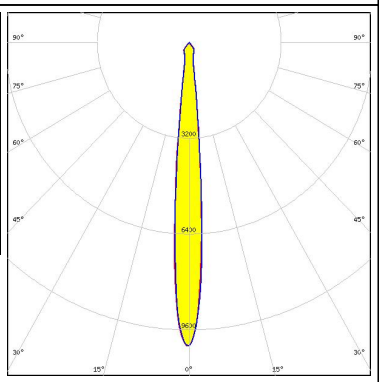
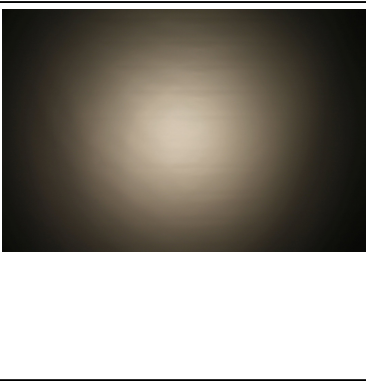
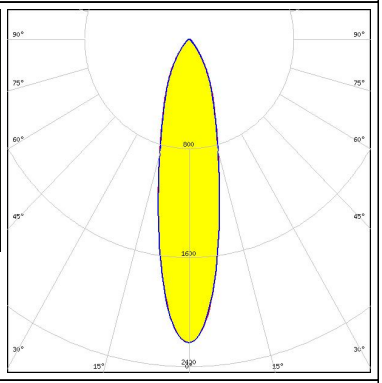

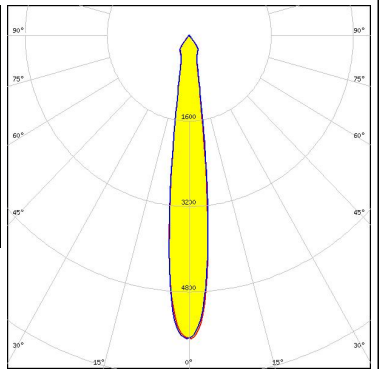
FIRST ANGLE PROJECTION:

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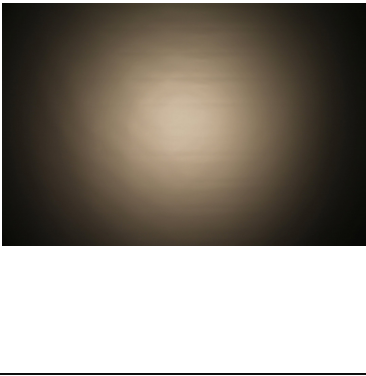
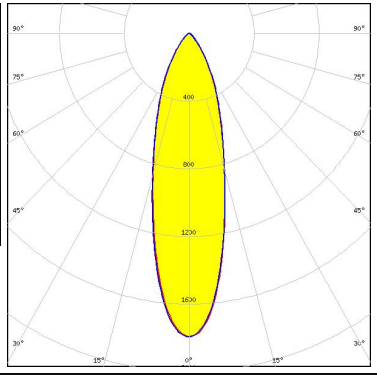

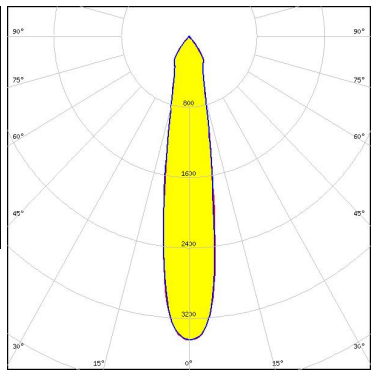

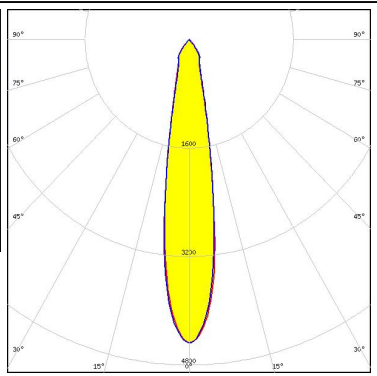

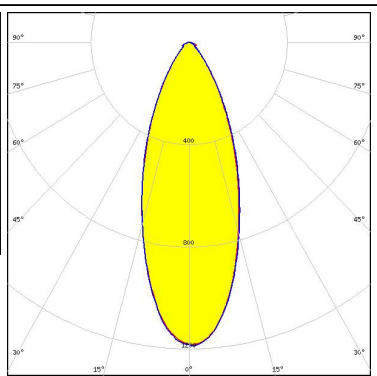
DRAWING TITLE					
F15558_MIRELLA-G2-S					
SIZE	PART NUMBER				
A3	F15558				
SCALE	1:1	WEIGHT	4.7 g	SHEET	1/1

See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)



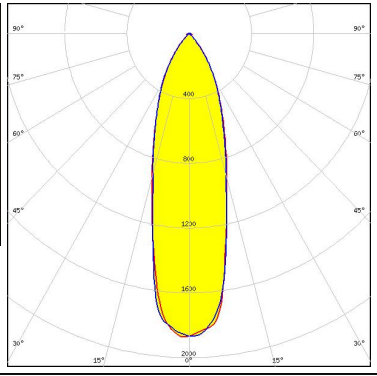


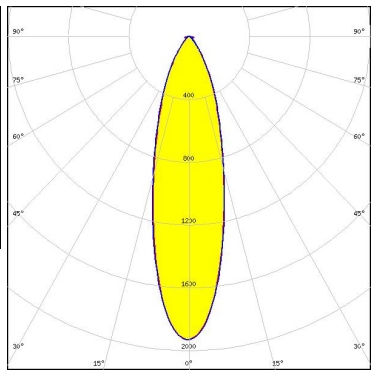


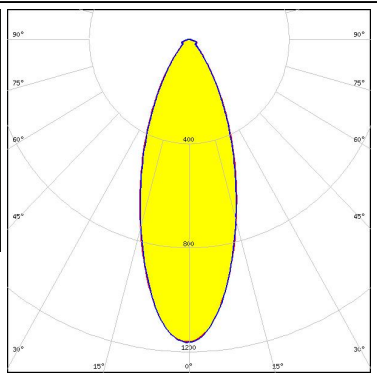

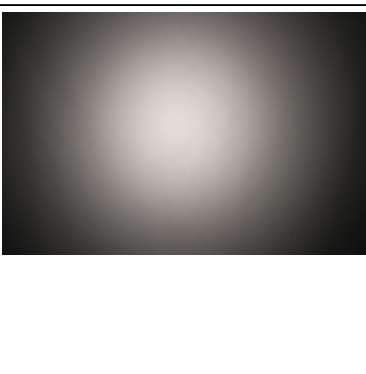
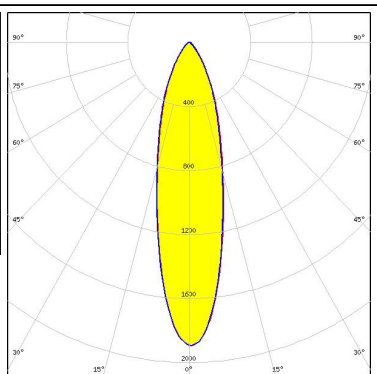
#### PHOTOMETRIC DATA (MEASURED):

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



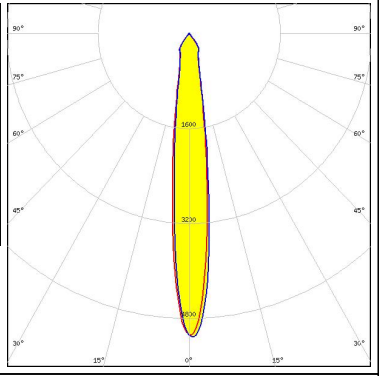


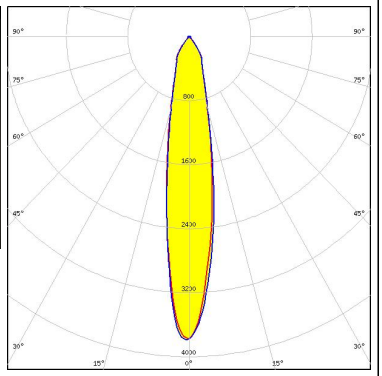


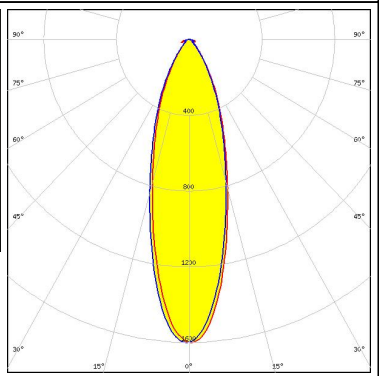

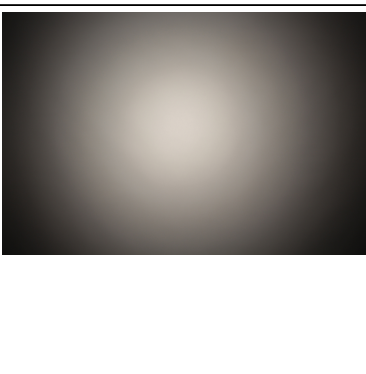
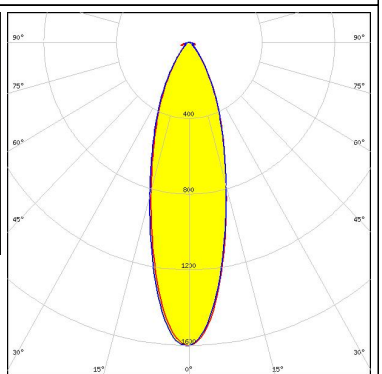
#### PHOTOMETRIC DATA (MEASURED):

<p>bridgelux.</p> <p>LED V9 HD</p> <p>FWHM / FWTM 29.0° / 69.0°</p> <p>Efficiency 77 %</p> <p>Peak intensity 1.8 cd/m</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p> <p>F15859_HEKLA-SOCKET-I</p> <p>C13723_MIRELLA-RZL</p>		
<p>bridgelux.</p> <p>LED V9 HD</p> <p>FWHM / FWTM 19.0° / 59.0°</p> <p>Efficiency 85 %</p> <p>Peak intensity 3.4 cd/m</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p> <p>F15859_HEKLA-SOCKET-I</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/m</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p> <p>F15616_HEKLA-SOCKET-F</p>		
<p>bridgelux.</p> <p>LED Vesta DTW 13mm (21W)</p> <p>FWHM / FWTM 39.0° / 78.0°</p> <p>Efficiency 74 %</p> <p>Peak intensity 1.2 cd/m</p> <p>LEDs/each optic 1</p> <p>Light colour Tunable White</p> <p>Required components:</p> <p>C16142_HEKLA-SOCKET-K</p> <p>C13723_MIRELLA-RZL</p> <p>Bender Wirth: 491 Typ L8</p>		

#### PHOTOMETRIC DATA (MEASURED):

<p></p> <p>LED Vesta DTW 13mm (21W)            FWHM / FWTM 30.0° / 72.0°            Efficiency 82 %            Peak intensity 1.9 cd/m            LEDs/each optic 1            Light colour Tunable White</p> <p>Required components:            C16142_HEKLA-SOCKET-K            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/m            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/m            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 26.0° / 66.0°            Efficiency 75 %            Peak intensity 1.9 cd/m            LEDs/each optic 1            Light colour White</p> <p>Required components:            C16142_HEKLA-SOCKET-K            C13723_MIRELLA-RZL            Bender Wirth: 504 Typ L8</p>		

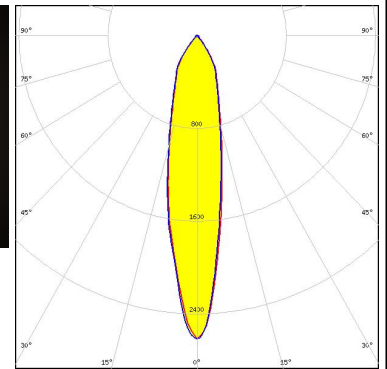
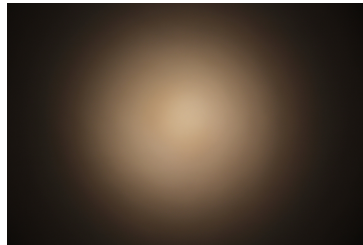
#### PHOTOMETRIC DATA (MEASURED):

<p></p> <p>LED Vesta TW 6mm DP</p> <p>FWHM / FWTM 14.0° / 37.0°</p> <p>Efficiency 82 %</p> <p>Peak intensity 5.1 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></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/m</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>		
<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/m</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: C16142_HEKLA-SOCKET-K C13723_MIRELLA-RZL 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/m</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>		

#### PHOTOMETRIC DATA (MEASURED):

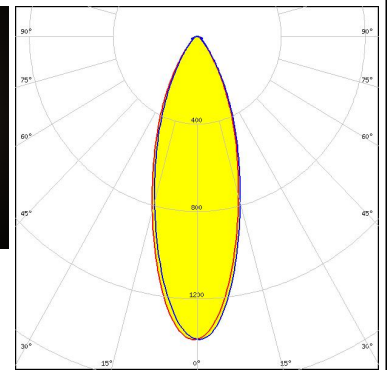
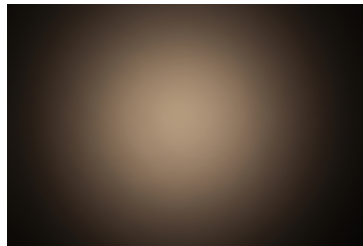
#### CITIZEN

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



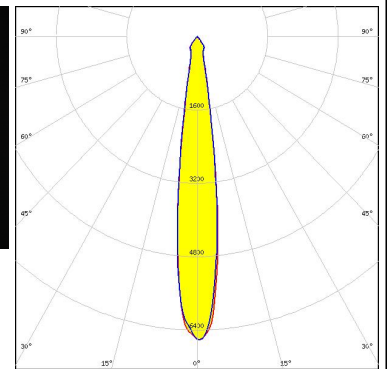
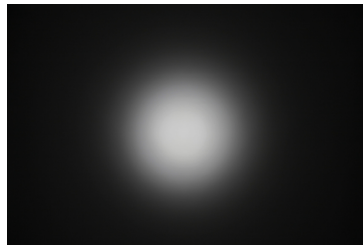
#### CITIZEN

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



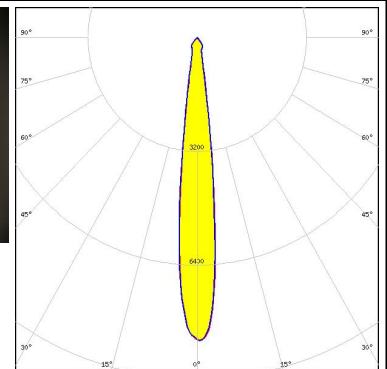
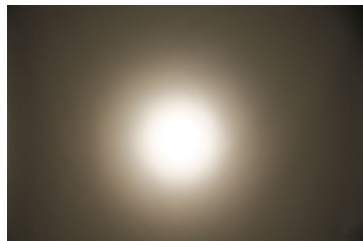
#### CITIZEN

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

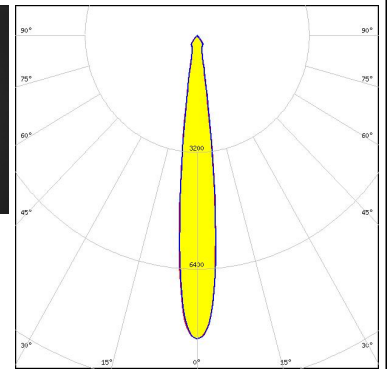
LED CLU700/701/702  
 FWHM / FWTM 13.0° / 25.0°  
 Efficiency 91 %  
 Peak intensity 8.5 cd/m  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F15255\_HEKLA-SOCKET-C



#### PHOTOMETRIC DATA (MEASURED):

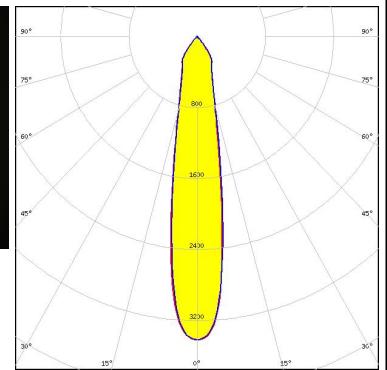
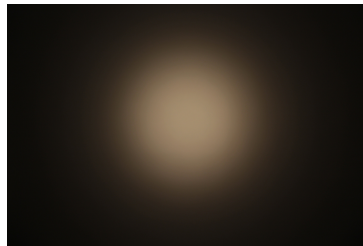
#### CITIZEN

LED CLU700/701/702  
 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



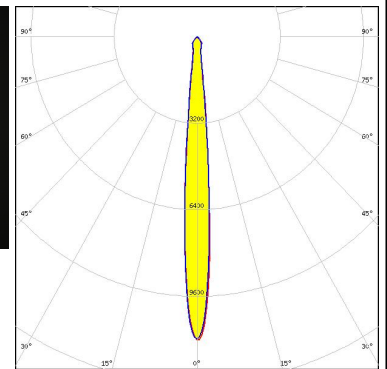
#### CITIZEN

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



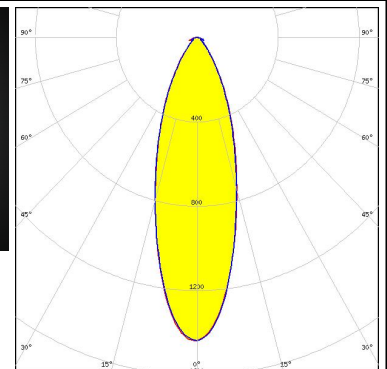
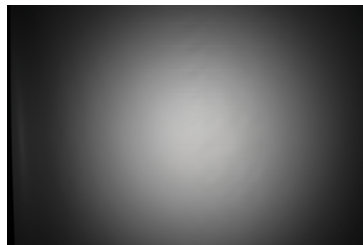
#### CITIZEN

LED CLU7A2 (LES 4.2mm)  
 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

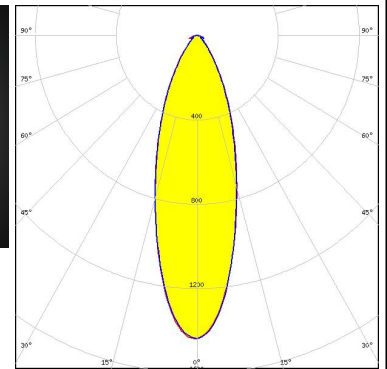
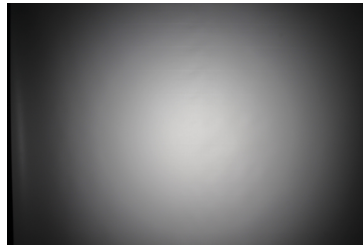




#### PHOTOMETRIC DATA (MEASURED):

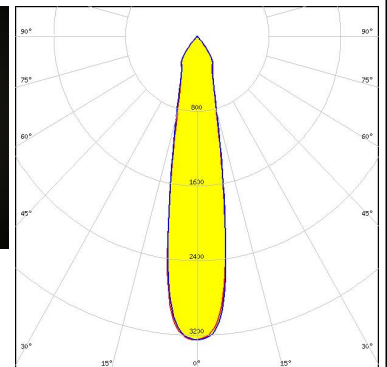
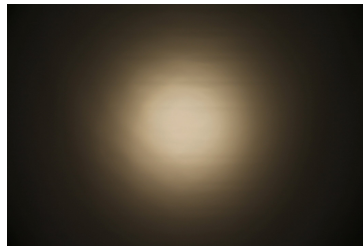
#### CITIZEN

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



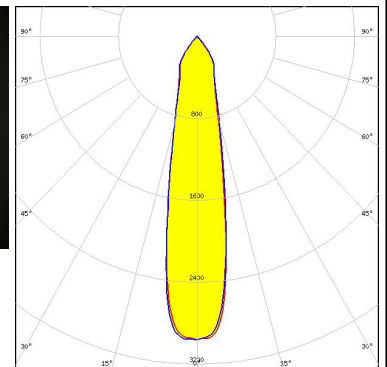
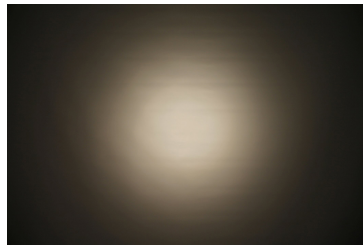
#### CREE LED

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



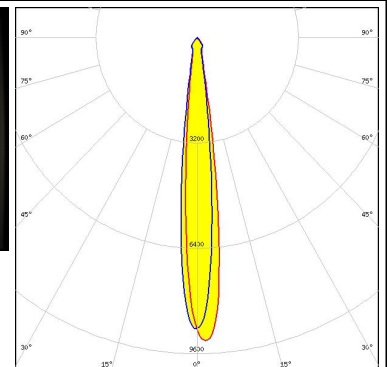
#### CREE LED

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



#### CREE LED

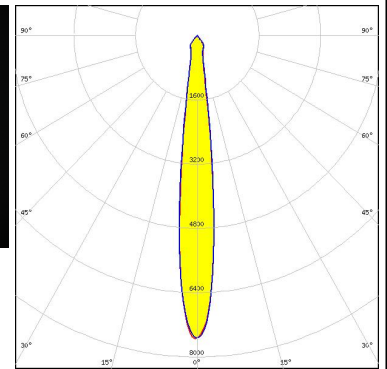
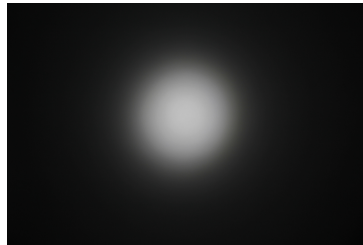
LED CXA/B 13xx  
 FWHM / FWTM 12.0° / 25.0°  
 Efficiency 93 %  
 Peak intensity 9.2 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F15956\_HEKLA-SOCKET-J  
 C13723\_MIRELLA-RZL



#### PHOTOMETRIC DATA (MEASURED):

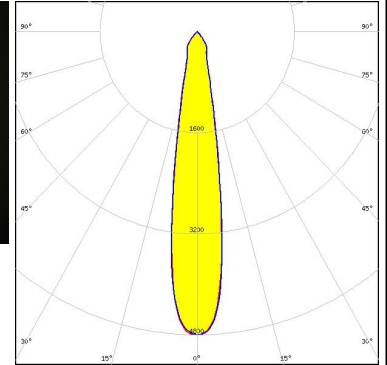
##### CREE LED

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



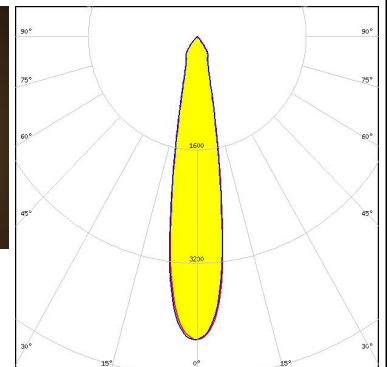
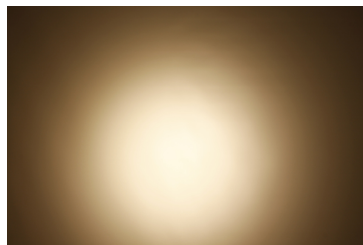
##### CREE LED

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



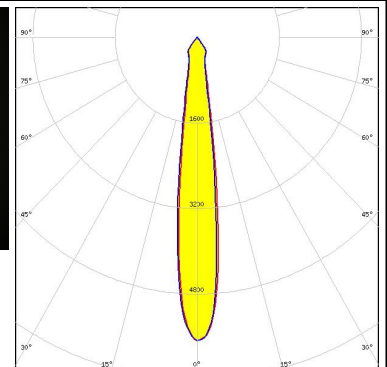
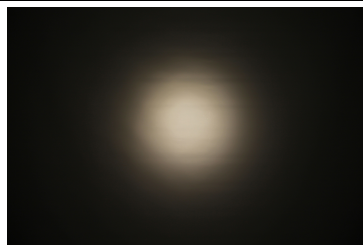
##### LUMILEDS

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


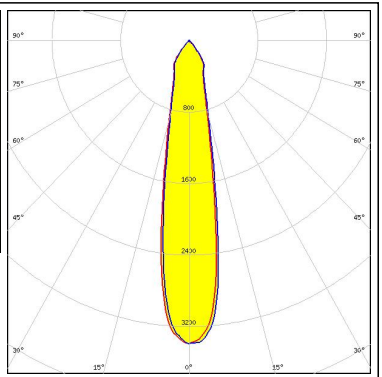
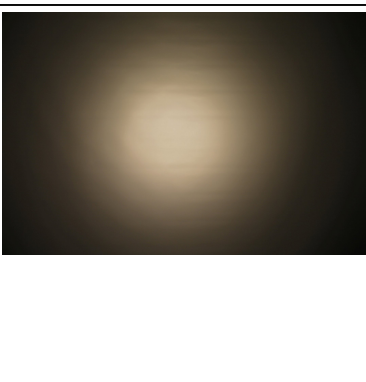
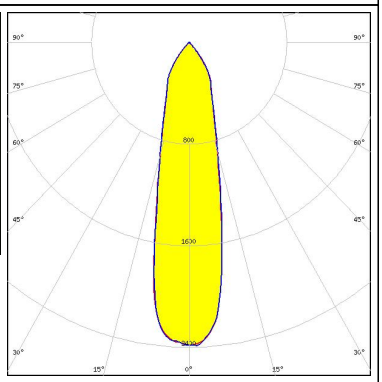

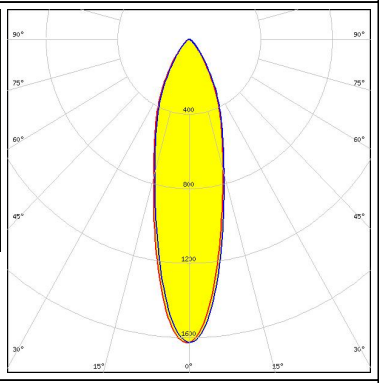

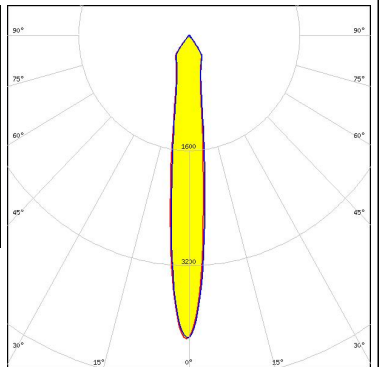


##### LUMILEDS


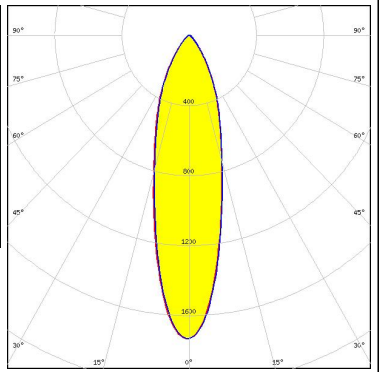

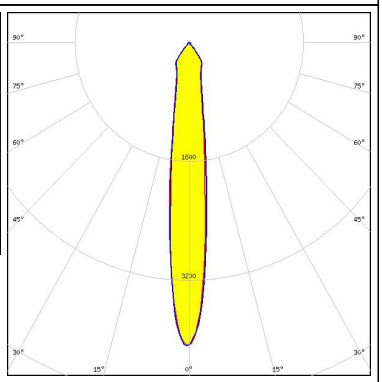

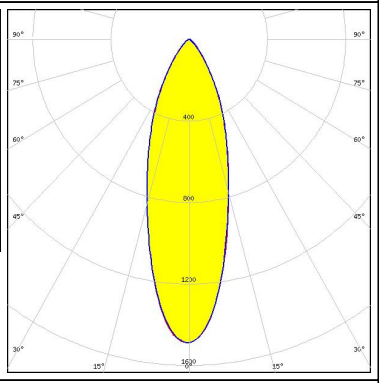

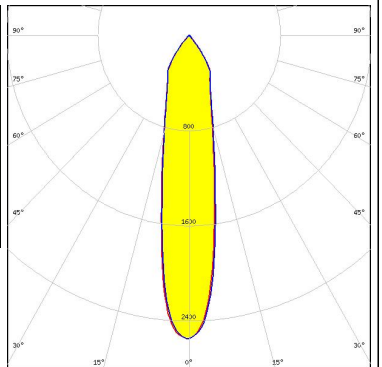
LED LUXEON CoB 1202HD  
 FWHM / FWTM 15.0° / 33.0°  
 Efficiency 87 %  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F15848\_HEKLA-SOCKET-G




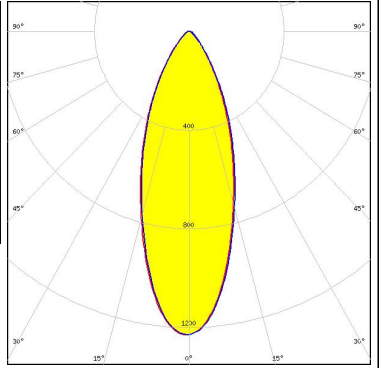

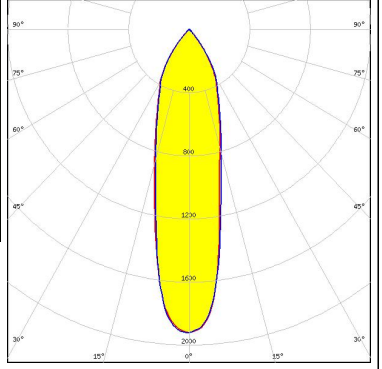

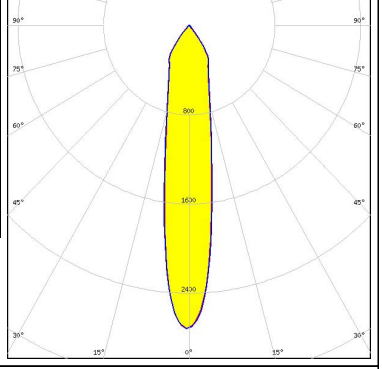

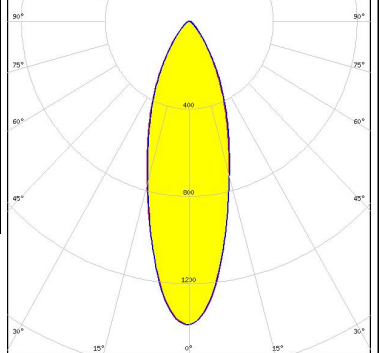
#### PHOTOMETRIC DATA (MEASURED):

<p><b>LUMILEDS</b></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><b>LUMILEDS</b></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><b>LUMILEDS</b></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><b>LUMILEDS</b></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>		


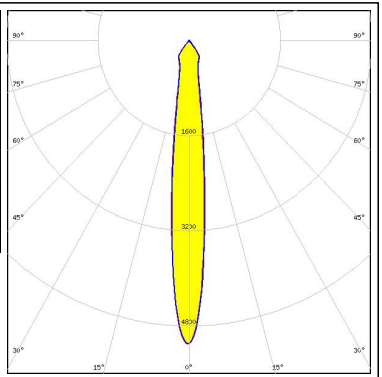

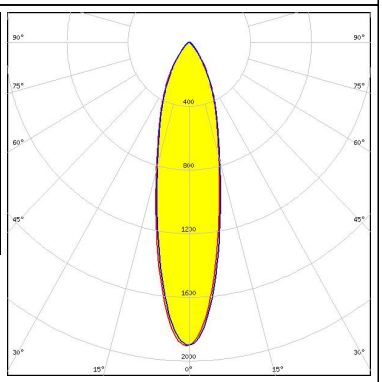
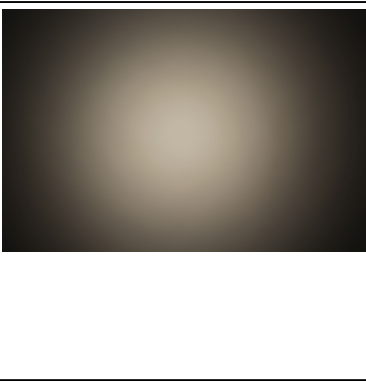
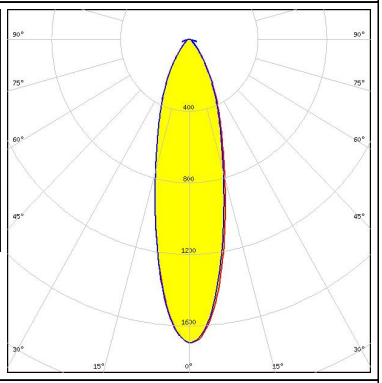

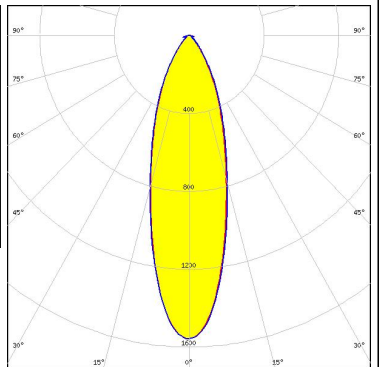
#### PHOTOMETRIC DATA (MEASURED):

<p><b>LUMILEDS</b></p> <p>LED LUXEON CX Plus CoB - HD S01H6 / 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><b>LUMILEDS</b></p> <p>LED LUXEON CX Plus CoB - HD S01H6 / 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><b>LUMILEDS</b></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><b>LUMILEDS</b></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>		


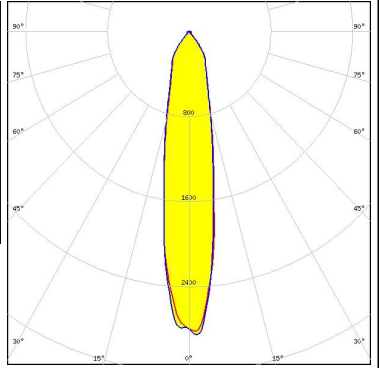
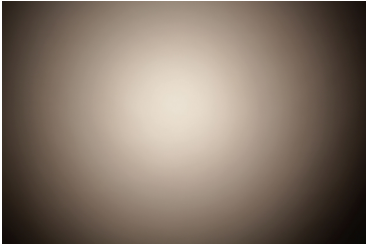
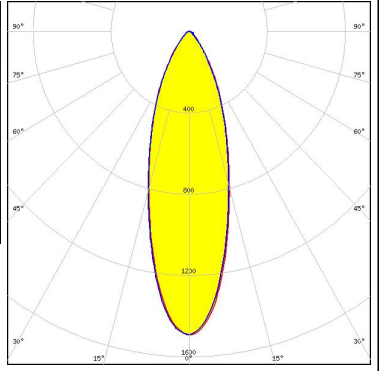
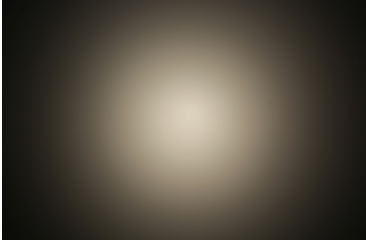
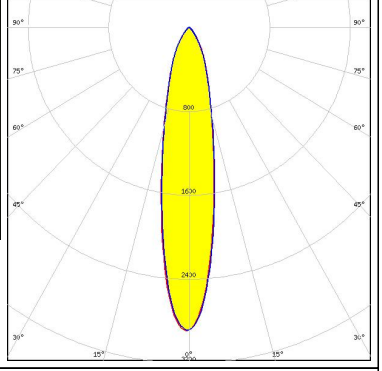
#### PHOTOMETRIC DATA (MEASURED):

<p><b>LUMILEDS</b></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><b>LUMILEDS</b></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><b>LUMILEDS</b></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>		
<p><b>LUMILEDS</b></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>		


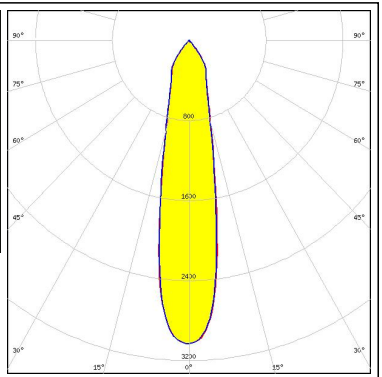

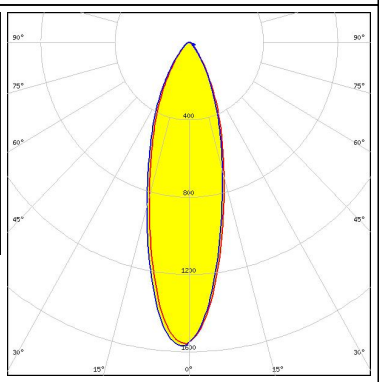

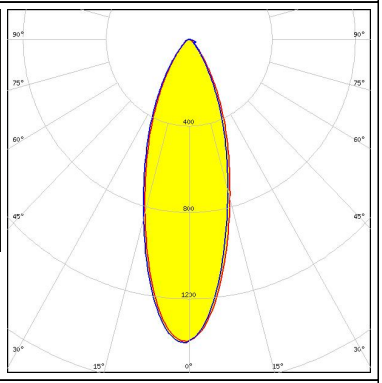

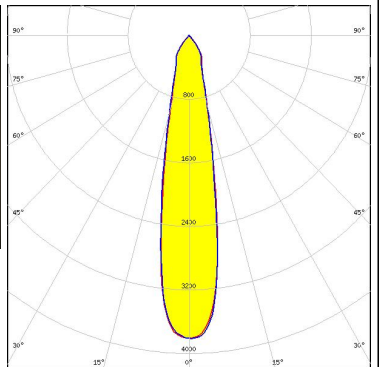
#### PHOTOMETRIC DATA (MEASURED):

<p><b>LUMILEDS</b></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><b>LUMILEDS</b></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><b>LUMINUS</b></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><b>LUMINUS</b></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: C16142_HEKLA-SOCKET-K C13723_MIRELLA-RZL Bender Wirth: 490 Typ L8</p>		

#### PHOTOMETRIC DATA (MEASURED):

<p><b>LUMINUS</b></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>		
<p><b>LUMINUS</b></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: C16142_HEKLA-SOCKET-K C13723_MIRELLA-RZL Bender Wirth: 495 Typ L8</p>		
<p><b>LUMINUS</b></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: F15255_HEKLA-SOCKET-C C13723_MIRELLA-RZL</p>		
<p><b>LUMINUS</b></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: F15255_HEKLA-SOCKET-C</p>		

#### PHOTOMETRIC DATA (MEASURED):

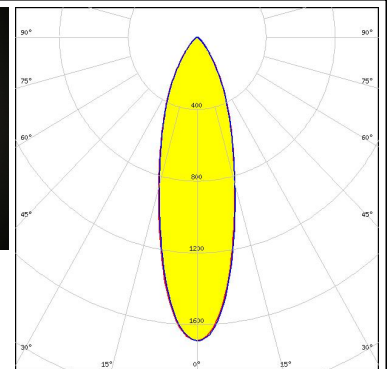
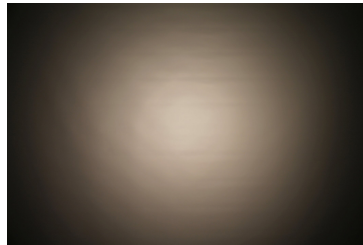
<p><b>LUMINUS</b></p> <p>LED CxM-9 (13.5x13.5)</p> <p>FWHM / FWTM 22.0° / 67.0°</p> <p>Efficiency 88 %</p> <p>Peak intensity 3 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: F15255_HEKLA-SOCKET-C</p>		
<p><b>NICHIA</b></p> <p>LED NJCWL024Z-V1MT: COB L-Type Tunable 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><b>NICHIA</b></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><b>OSRAM</b> 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>		



#### PHOTOMETRIC DATA (MEASURED):

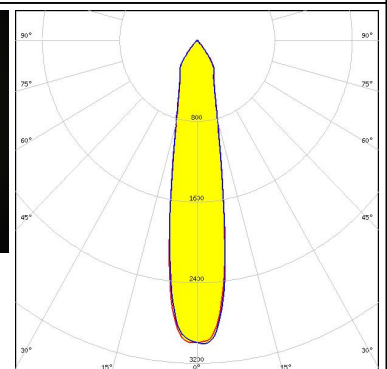
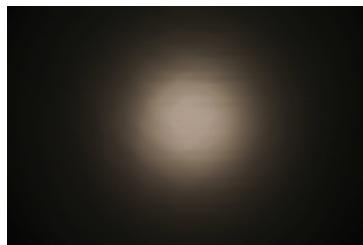
### PHILIPS

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



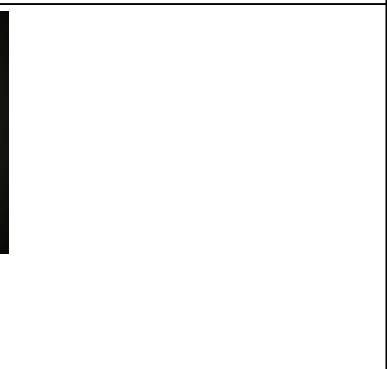
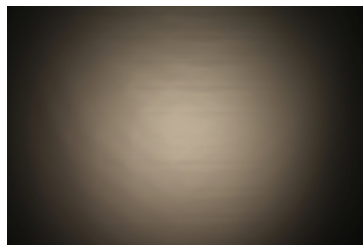
### PHILIPS

LED Fortimo SLM 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



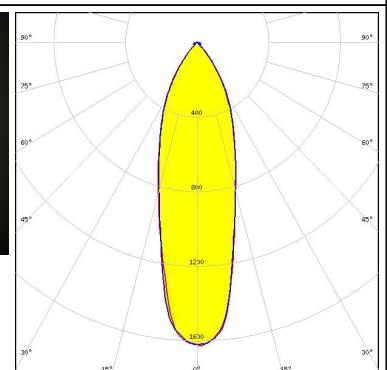
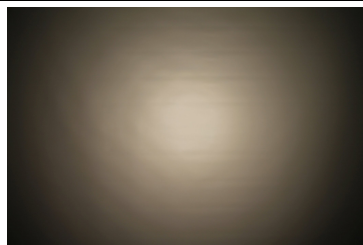
### PHILIPS

LED Fortimo SLM 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

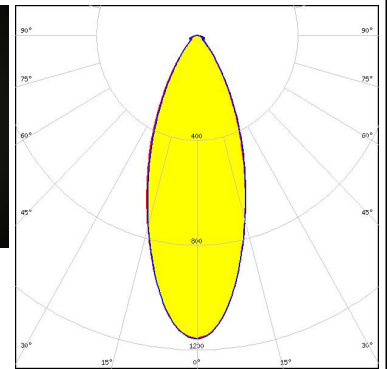
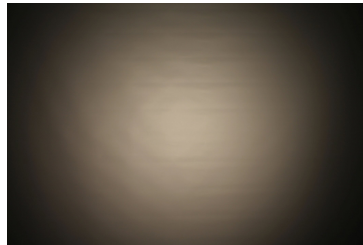
LED Fortimo SLM L13 CoB  
 FWHM / FWTM 30.0° / 75.0°  
 Efficiency 78 %  
 Peak intensity 1.6 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C16142\_HEKLA-SOCKET-K  
 Bender Wirth: 432 Typ L8



#### PHOTOMETRIC DATA (MEASURED):

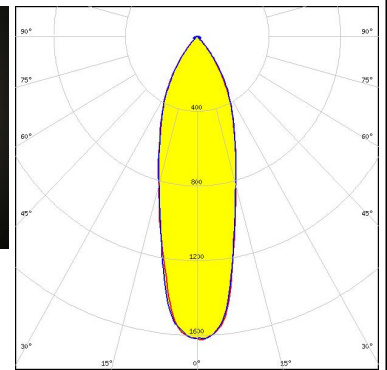
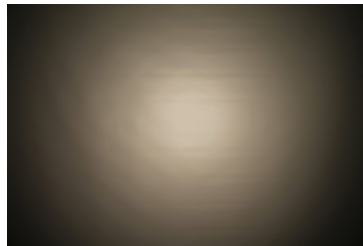
### PHILIPS

LED Fortimo SLM L13 CoB  
 FWHM / FWTM 39.0° / 78.0°  
 Efficiency 72 %  
 Peak intensity 1.2 cd/m  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C16142\_HEKLA-SOCKET-K  
 C13723\_MIRELLA-RZL  
 Bender Wirth: 432 Typ L8



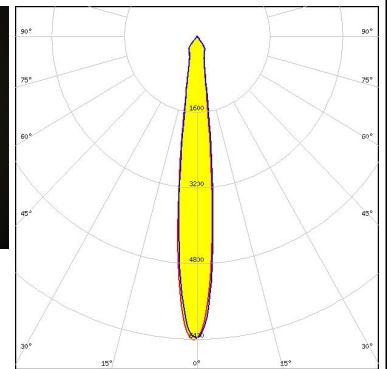
### PHILIPS

LED Fortimo SLM L13 CoB  
 FWHM / FWTM 30.0° / 75.0°  
 Efficiency 78 %  
 Peak intensity 1.6 cd/m  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C16142\_HEKLA-SOCKET-K  
 Bender Wirth: 432 Typ L8



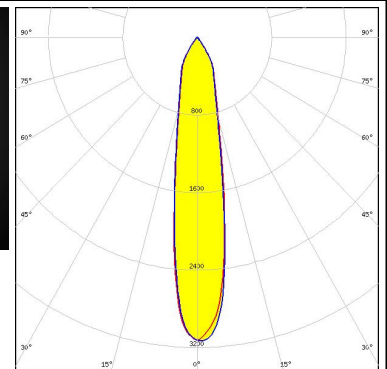
### SAMSUNG

LED LC010C G2  
 FWHM / FWTM 13.0° / 31.0°  
 Efficiency 88 %  
 Peak intensity 6.4 cd/m  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F15255\_HEKLA-SOCKET-C



### SAMSUNG

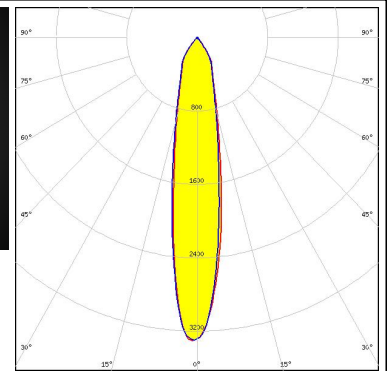
LED LC010T (Tunable White)  
 FWHM / FWTM 19.0° / 59.0°  
 Efficiency 78 %  
 Peak intensity 3.1 cd/m  
 LEDs/each optic 1  
 Light colour Tunable White  
 Required components:  
 C16142\_HEKLA-SOCKET-K  
 C14658\_BARBARA-RZ-LENS  
 Bender Wirth: 501 Typ L8



#### PHOTOMETRIC DATA (MEASURED):

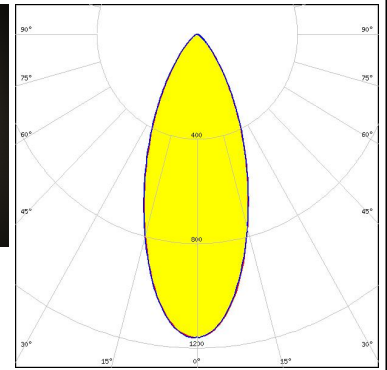
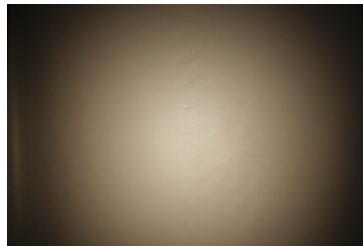
### SAMSUNG

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



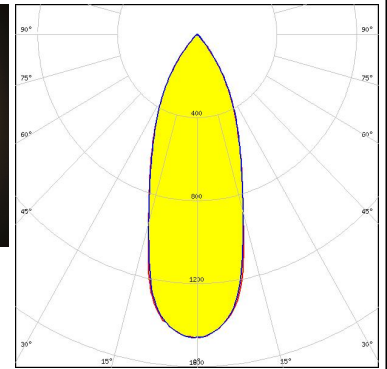
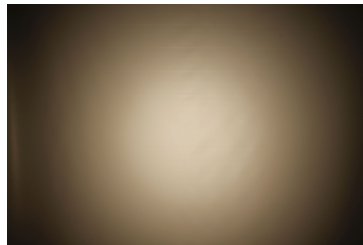
### SAMSUNG

LED LC016D / LC019D / LC026D / LC033D  
 FWHM / FWTM 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



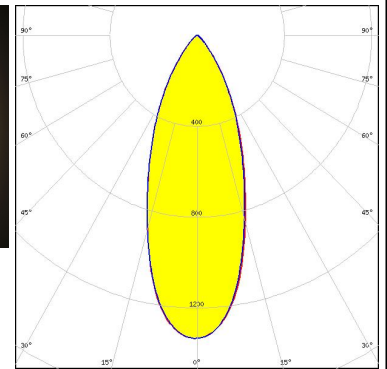
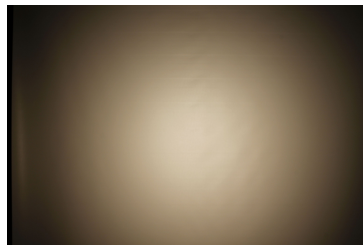
### SAMSUNG

LED LC016D / LC019D / LC026D / LC033D  
 FWHM / FWTM 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

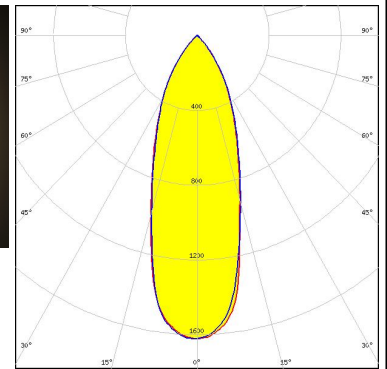
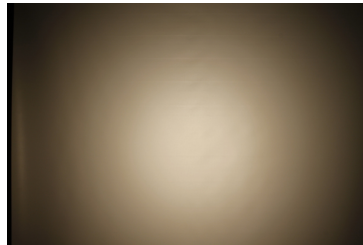
LED LC016D / LC019D / LC026D / LC033D  
 FWHM / FWTM 39.0° / 76.0°  
 Efficiency 77 %  
 Peak intensity 1.3 cd/m  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F15859\_HEKLA-SOCKET-I  
 C12479\_MIRELLA-DL



#### PHOTOMETRIC DATA (MEASURED):

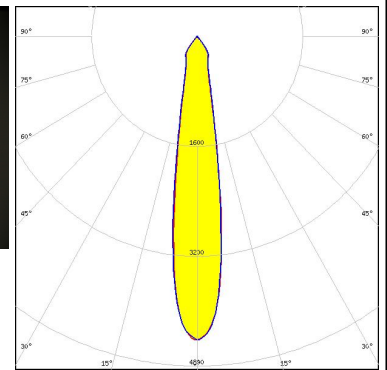
### SAMSUNG

LED LC016D / LC019D / LC026D / LC033D  
 FWHM / FWTM 35.0° / 77.0°  
 Efficiency 84 %  
 Peak intensity 1.6 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F15859\_HEKLA-SOCKET-I



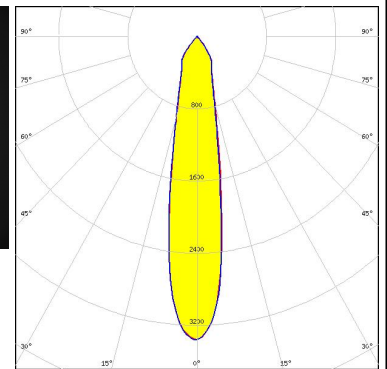
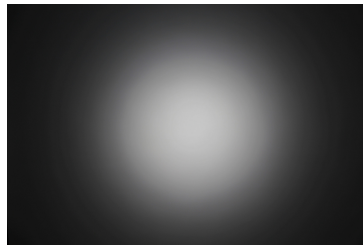
### SAMSUNG

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



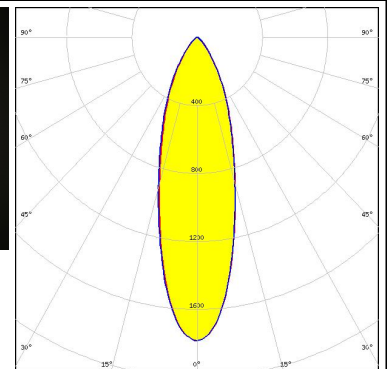
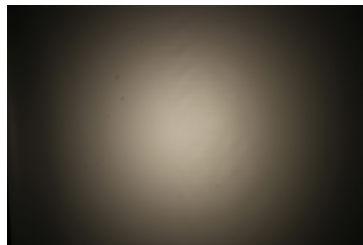
### SAMSUNG

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

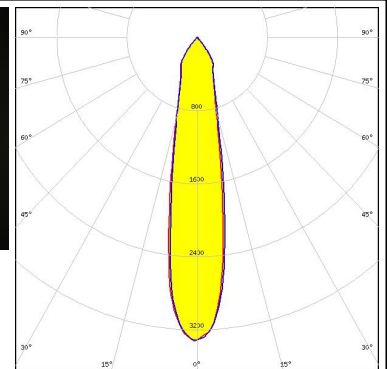
LED SLE G7 LES09  
 FWHM / FWTM 30.0° / 71.0°  
 Efficiency 83 %  
 Peak intensity 1.8 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F15255\_HEKLA-SOCKET-C  
 C13723\_MIRELLA-RZL



#### PHOTOMETRIC DATA (MEASURED):

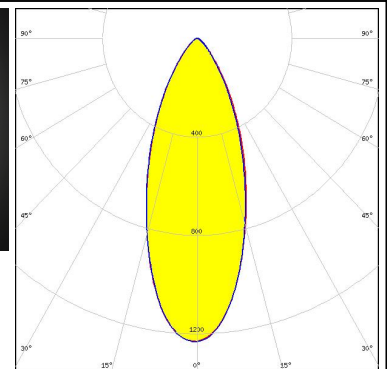
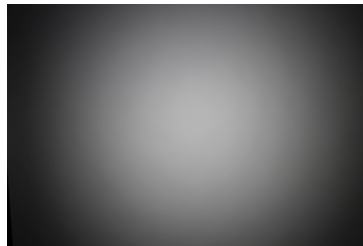
#### TRIDONIC

LED SLE G7 LES09  
 FWHM / FWTM 21.0° / 66.0°  
 Efficiency 90 %  
 Peak intensity 3.3 cd/m  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F15255\_HEKLA-SOCKET-C



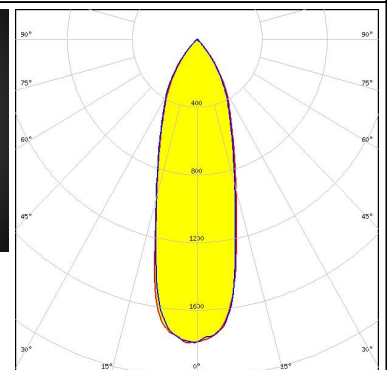
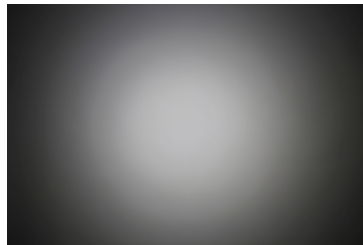
#### TRIDONIC

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



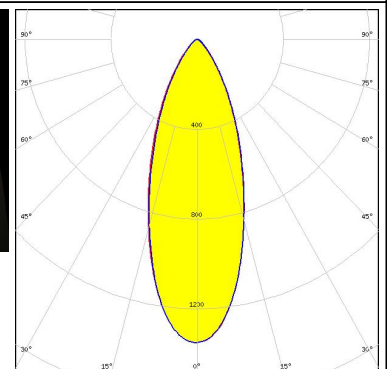
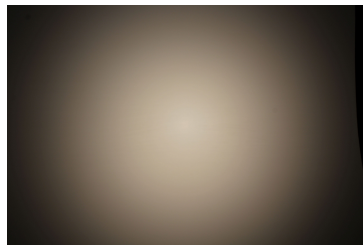
#### TRIDONIC

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



#### XICATO

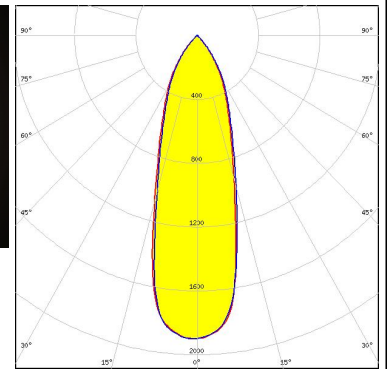
LED XOB 14.5 mm  
 FWHM / FWTM 38.0° / 77.0°  
 Efficiency 78 %  
 Peak intensity 1.4 cd/m  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F15859\_HEKLA-SOCKET-I  
 C13723\_MIRELLA-RZL



#### PHOTOMETRIC DATA (MEASURED):

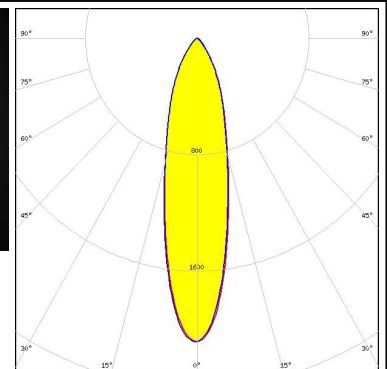
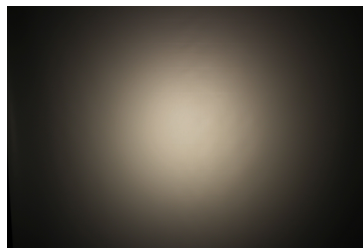
#### XICATO

LED XOB 14.5 mm  
 FWHM / FWTM 31.0° / 74.0°  
 Efficiency 86 %  
 Peak intensity 1.9 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F15859\_HEKLA-SOCKET-I



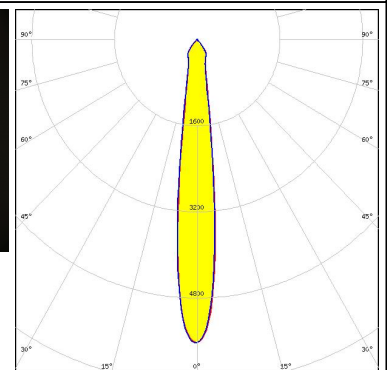
#### XICATO

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



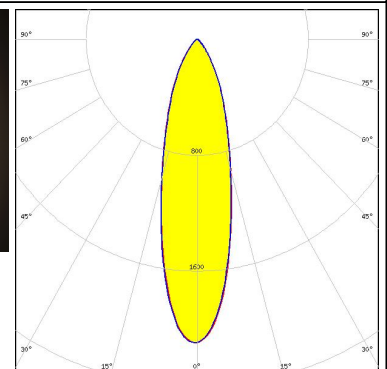
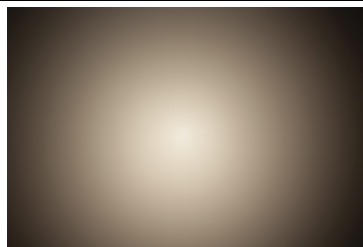
#### XICATO

LED XOB 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

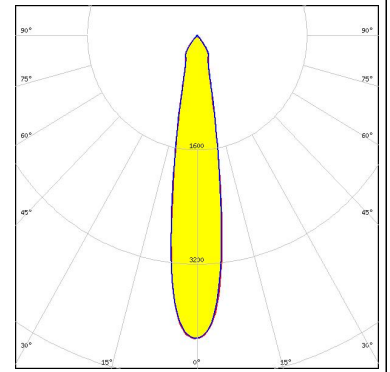
LED XOB 9.8 mm  
 FWHM / FWTM 28.0° / 67.0°  
 Efficiency 84 %  
 Peak intensity 2.1 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F15255\_HEKLA-SOCKET-C  
 C13723\_MIRELLA-RZL




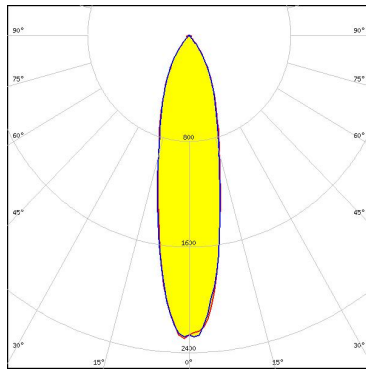
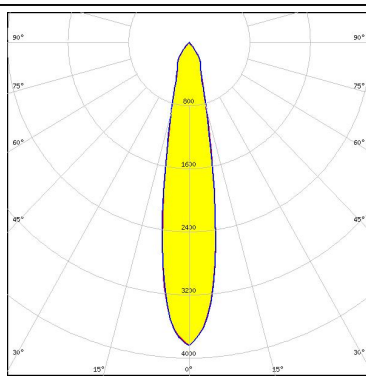

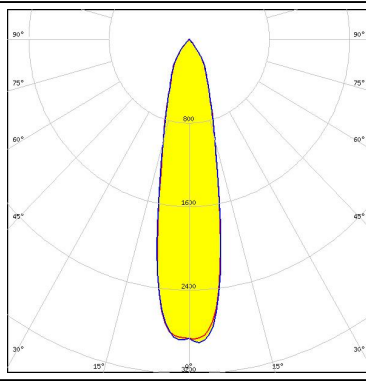

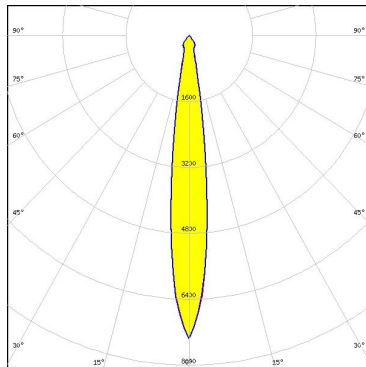
## PHOTOMETRIC DATA (MEASURED):

### 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



#### PHOTOMETRIC DATA (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><b>CITIZEN</b></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>	



### 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.

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