

## YASMEEN-50-W-C

~36° wide beam. Assembly with holder C compatible with LEDiL HEKLA. Black version.

### SPECIFICATION:

Dimensions	Ø 49.9 mm
Height	28.1 mm
ROHS compliant	yes ⓘ

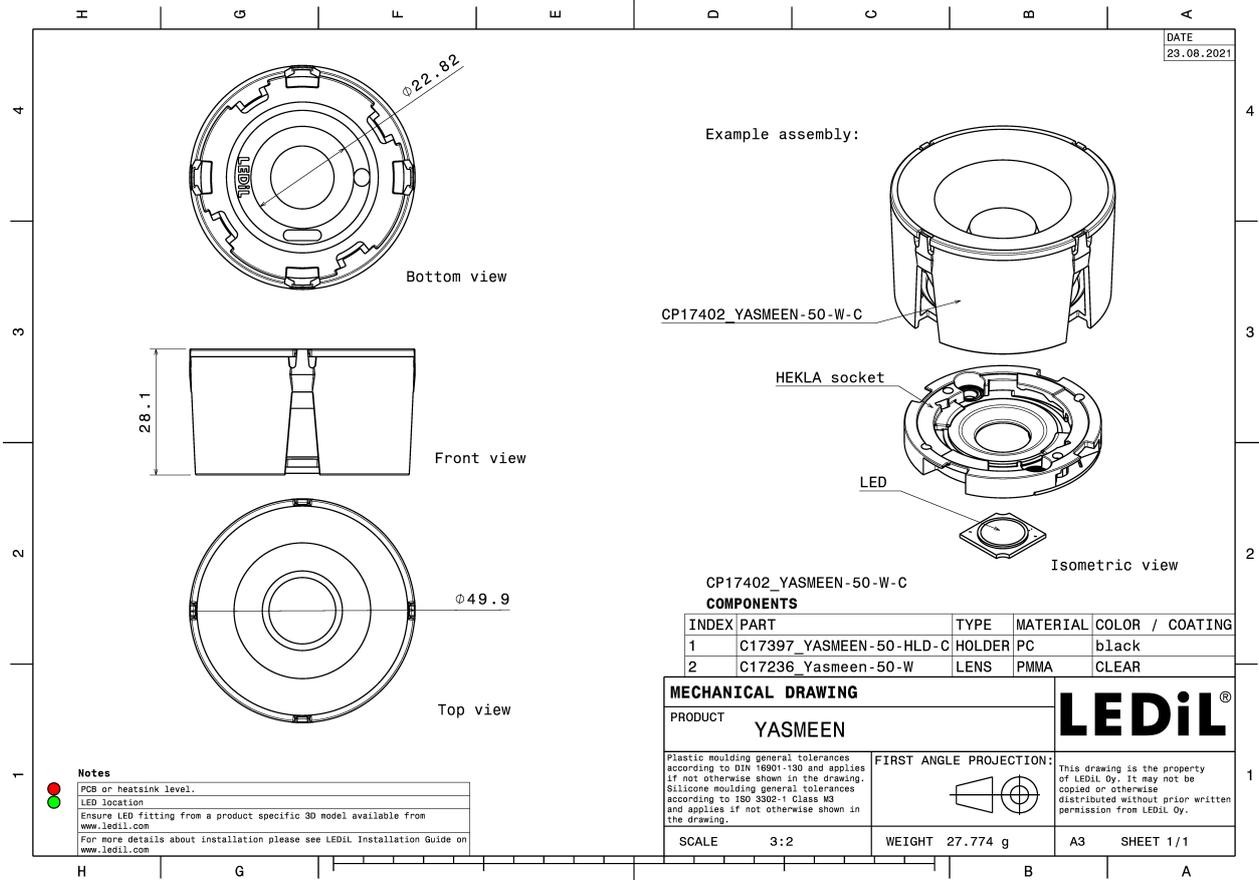


### MATERIALS:

Component	Type	Material	Colour	Finish
YASMEEN-50-W	Single lens	PMMA	clear	
YASMEEN-50-HLD-C	Holder	PC	black	

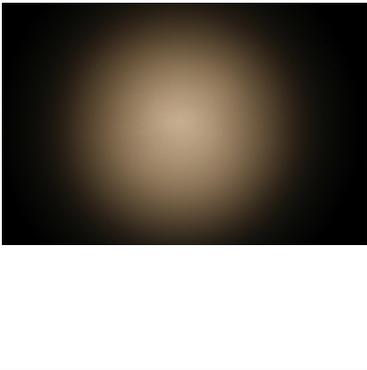
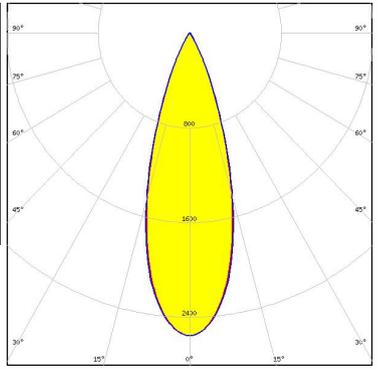
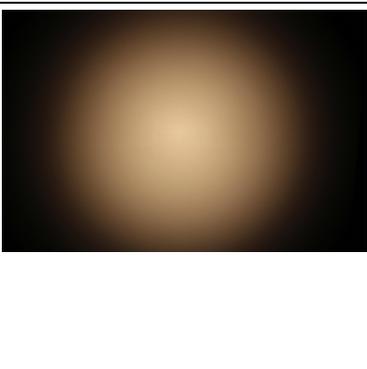
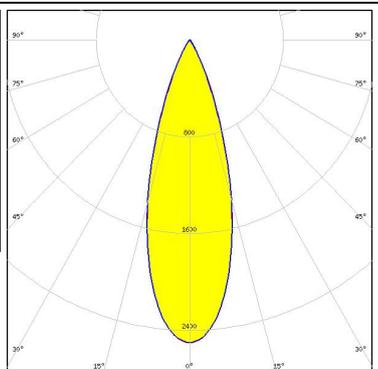
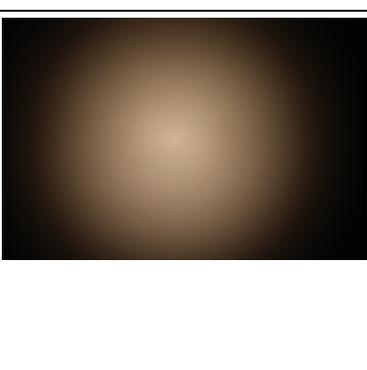
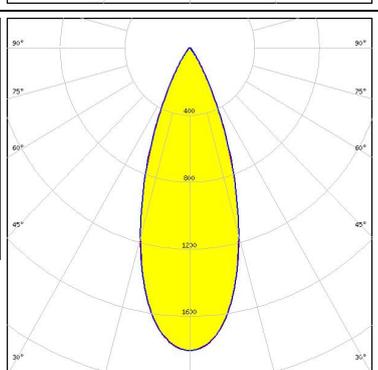
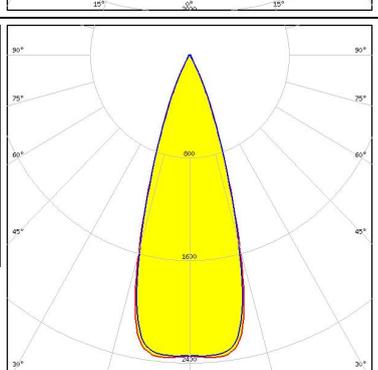
### ORDERING INFORMATION:

Component	Type	Qty in box	MOQ	MPQ	Box weight (kg)
CP17402_YASMEEN-50-W-C » Box size: 476 x 273 x 305 mm	Single lens	252	112	28	9.2

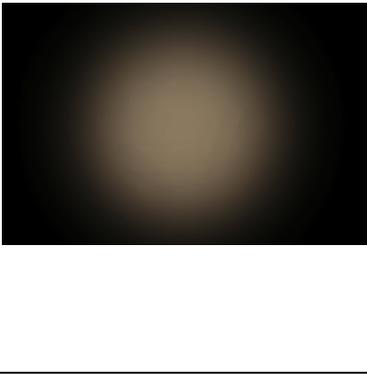
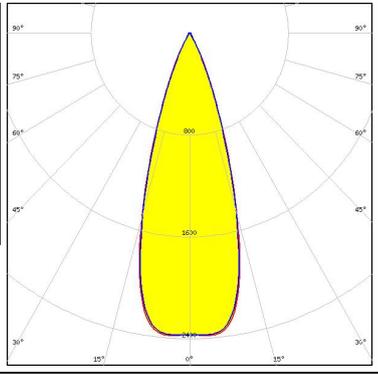
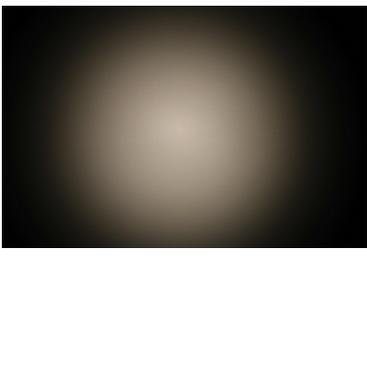
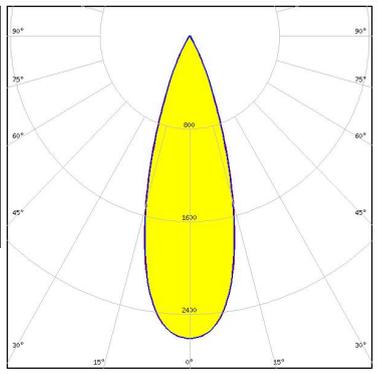
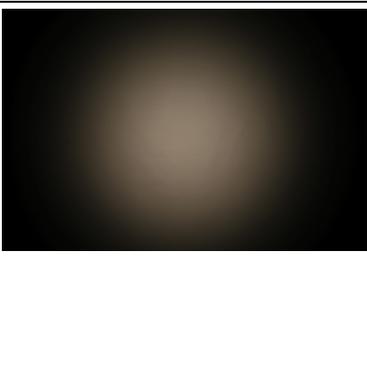
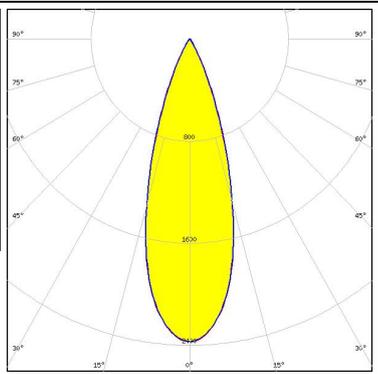
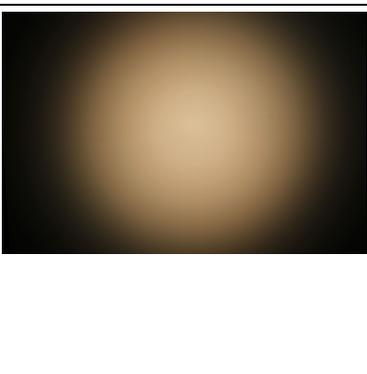
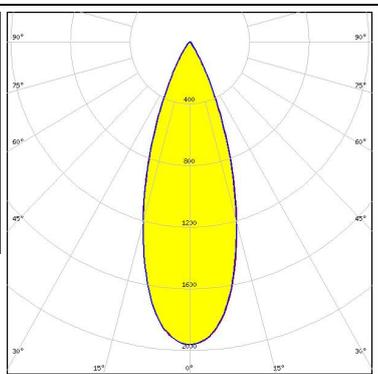


See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)

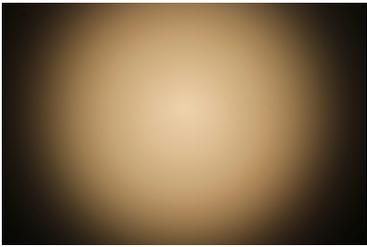
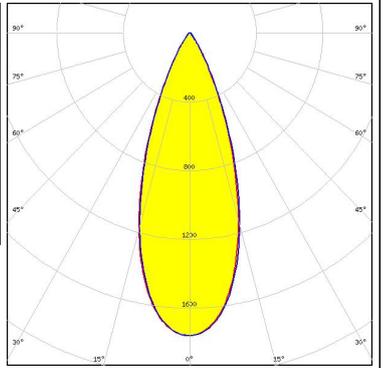
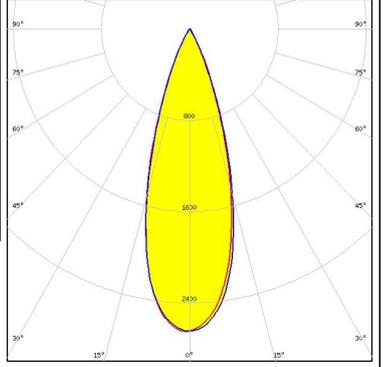
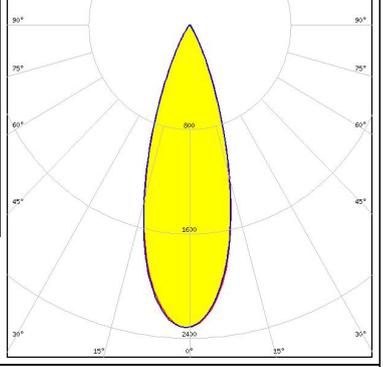
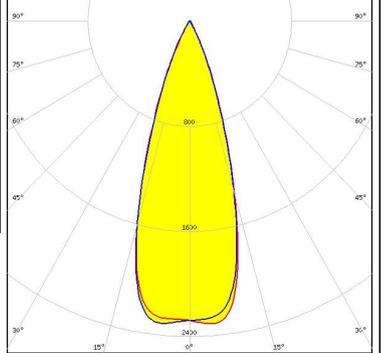
#### OPTICAL RESULTS (MEASURED):

<p></p> <p>LED V10 Gen 8            FWHM / FWTM 32.0° / 55.0°            Efficiency 86 %            Peak intensity 2.6 cd/lm            LEDs/each optic 1            Light colour White            Required components:            F15255_HEKLA-SOCKET-C</p>		
<p></p> <p>LED V11 HD Gen 8            FWHM / FWTM 32.0° / 55.0°            Efficiency 85 %            Peak intensity 2.5 cd/lm            LEDs/each optic 1            Light colour White            Required components:            Bender Wirth: 633d Hekla</p>		
<p></p> <p>LED V13 Gen 8            FWHM / FWTM 37.0° / 62.0°            Efficiency 81 %            Peak intensity 1.8 cd/lm            LEDs/each optic 1            Light colour White            Required components:            F15859_HEKLA-SOCKET-I</p>		
<p></p> <p>LED V4 HD Gen 7            FWHM / FWTM 34.0° / 52.0°            Efficiency 83 %            Peak intensity 2.4 cd/lm            LEDs/each optic 1            Light colour White            Required components:            F15253_HEKLA-SOCKET-A</p>		

#### OPTICAL RESULTS (MEASURED):

<p></p> <p>LED V6 HD Gen 7</p> <p>FWHM / FWTM 33.0° / 52.0°</p> <p>Efficiency 83 %</p> <p>Peak intensity 2.4 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: F15255_HEKLA-SOCKET-C</p>		
<p></p> <p>LED V8 Gen 8</p> <p>FWHM / FWTM 33.0° / 54.0°</p> <p>Efficiency 88 %</p> <p>Peak intensity 2.6 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: F15253_HEKLA-SOCKET-A</p>		
<p></p> <p>LED VERO10</p> <p>FWHM / FWTM 32.5° / 55.0°</p> <p>Efficiency 81 %</p> <p>Peak intensity 2.4 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: F15616_HEKLA-SOCKET-F</p>		
<p></p> <p>LED Vesta DTW 13mm (21W)</p> <p>FWHM / FWTM 35.0° / 60.0°</p> <p>Efficiency 81 %</p> <p>Peak intensity 2 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour Tunable White</p> <p>Required components: Bender Wirth: 632b Hekla XL</p>		

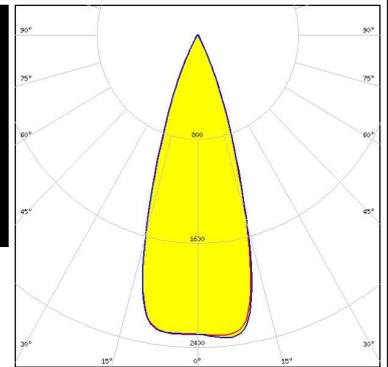
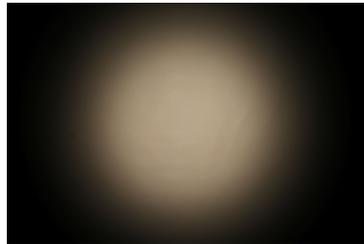
#### OPTICAL RESULTS (MEASURED):

<p></p> <p>LED Vesta DTW 15mm (33W)            FWHM / FWTM 37.0° / 63.0°            Efficiency 80 %            Peak intensity 1.8 cd/lm            LEDs/each optic 1            Light colour Tunable White            Required components:            Bender Wirth: 632b Hekla XL</p>		
<p></p> <p>LED Vesta DTW 9mm (4W/6W/12W)            FWHM / FWTM 32.0° / 54.0°            Efficiency 87 %            Peak intensity 2.7 cd/lm            LEDs/each optic 1            Light colour White            Required components:            Bender Wirth: 652b Hekla</p>		
<p><b>CITIZEN</b></p> <p>LED CLL02x/CLU02x (LES10)            FWHM / FWTM 32.0° / 55.0°            Efficiency 80 %            Peak intensity 2.3 cd/lm            LEDs/each optic 1            Light colour White            Required components:            F17435_HEKLA-G2-C</p>		
<p><b>CITIZEN</b></p> <p>LED CLU700/701/702/703            FWHM / FWTM 34.0° / 53.0°            Efficiency 83 %            Peak intensity 2.3 cd/lm            LEDs/each optic 1            Light colour White            Required components:            F17435_HEKLA-G2-C</p>		

#### OPTICAL RESULTS (MEASURED):

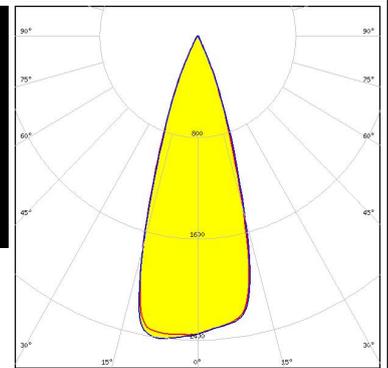
#### CITIZEN

LED CLU7A2/7A3  
 FWHM / FWTM 34.0° / 52.0°  
 Efficiency 83 %  
 Peak intensity 2.3 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F17435\_HEKLA-G2-C



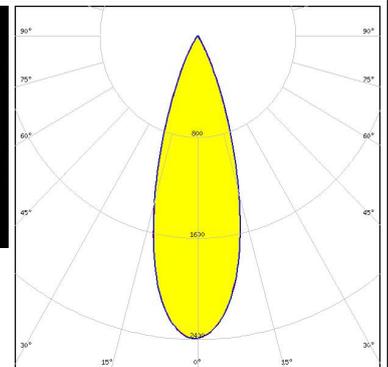
#### CITIZEN

LED CLU7B2  
 FWHM / FWTM 34.0° / 51.0°  
 Efficiency 83 %  
 Peak intensity 2.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F17435\_HEKLA-G2-C



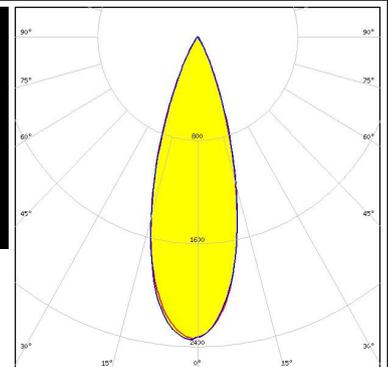
#### CREE LED

LED CMA1516  
 FWHM / FWTM 32.0° / 54.0°  
 Efficiency 81 %  
 Peak intensity 2.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F17436\_HEKLA-G2-D



#### CREE LED

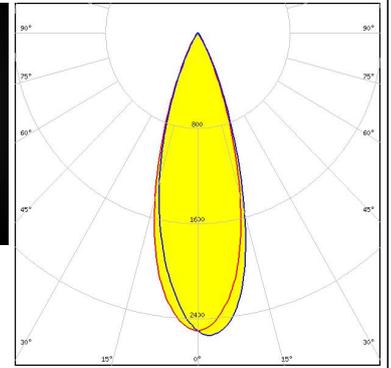
LED CMT14xx  
 FWHM / FWTM 32.0° / 55.0°  
 Efficiency 80 %  
 Peak intensity 2.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F17435\_HEKLA-G2-C



#### OPTICAL RESULTS (MEASURED):

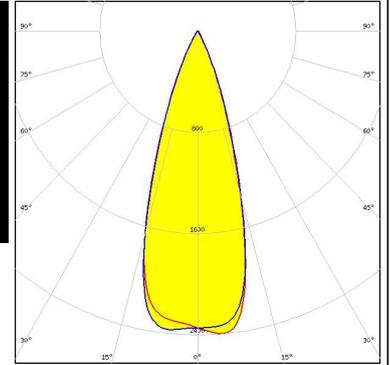
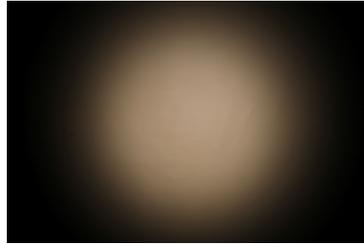
##### CREE LED

LED CMU10xx  
 FWHM / FWTM 32.0° / 54.0°  
 Efficiency 86 %  
 Peak intensity 2.6 cd/m  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F17435\_HEKLA-G2-C



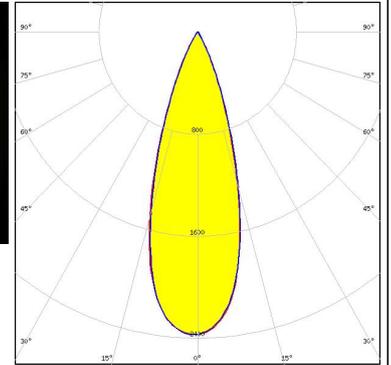
##### CREE LED

LED CXA/B 13xx  
 FWHM / FWTM 34.0° / 52.0°  
 Efficiency 84 %  
 Peak intensity 2.4 cd/m  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F17439\_HEKLA-G2-J



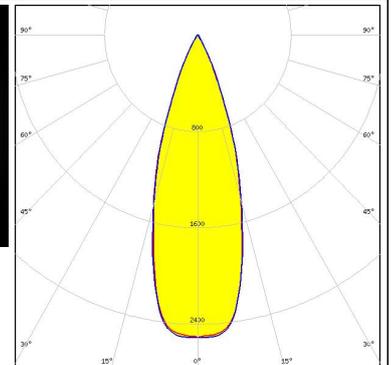
##### CREE LED

LED CXA/B 15xx  
 FWHM / FWTM 33.0° / 54.0°  
 Efficiency 81 %  
 Peak intensity 2.4 cd/m  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F17436\_HEKLA-G2-D

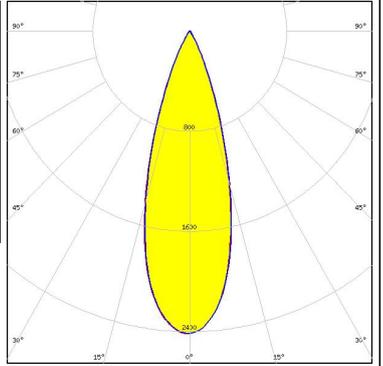
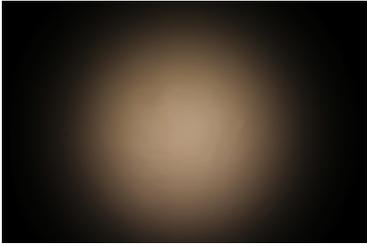
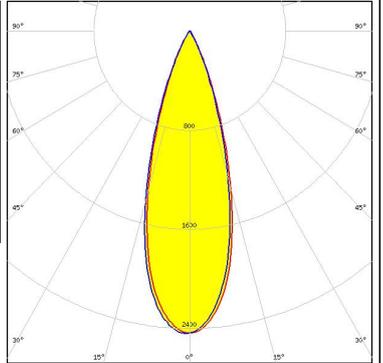
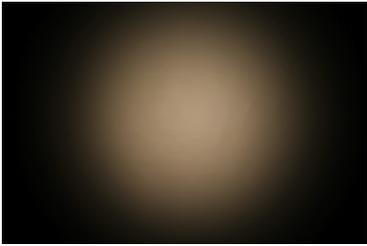
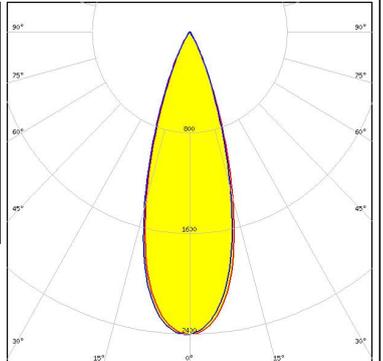
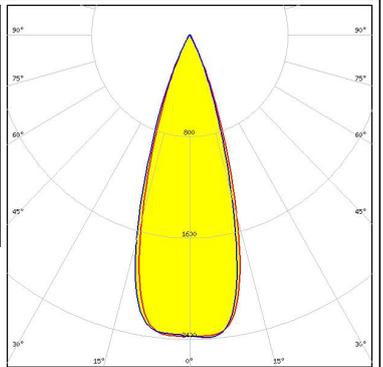


##### LEDIM

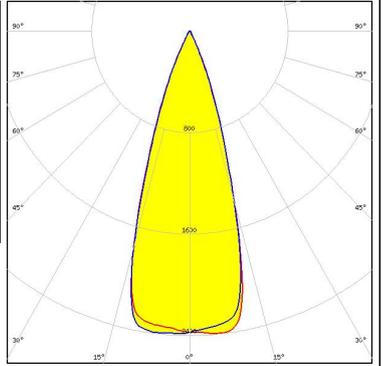
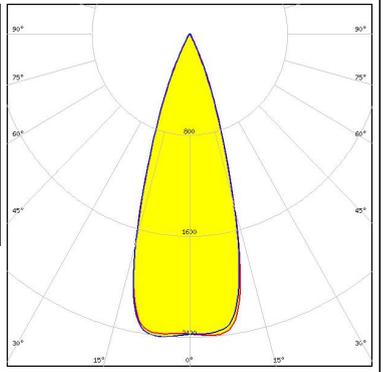
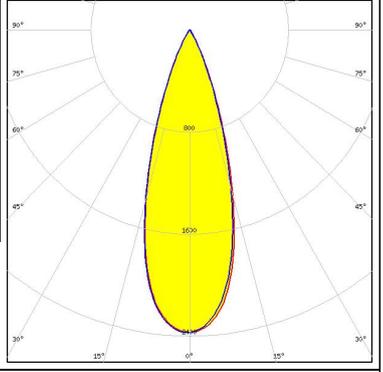
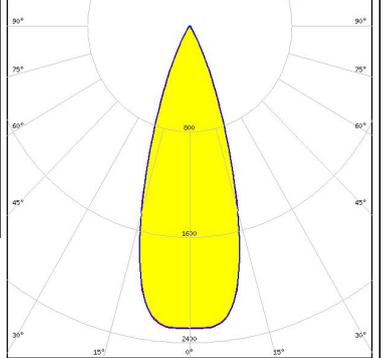
LED LEDIM/C6  
 FWHM / FWTM 33.0° / 54.0°  
 Efficiency 86 %  
 Peak intensity 2.5 cd/m  
 LEDs/each optic 9  
 Light colour White  
 Required components:  
 F17438\_HEKLA-G2-I



#### OPTICAL RESULTS (MEASURED):

<p><b>LUMILEDS</b></p> <p>LED LUXEON CoB 1202/1203</p> <p>FWHM / FWTM 32.0° / 54.0°</p> <p>Efficiency 80 %</p> <p>Peak intensity 2.4 cd/m</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: F17437_HEKLA-G2-H</p>		
<p><b>LUMILEDS</b></p> <p>LED LUXEON CoB 1204HD</p> <p>FWHM / FWTM 31.0° / 53.0°</p> <p>Efficiency 80 %</p> <p>Peak intensity 2.4 cd/m</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: F17437_HEKLA-G2-H</p>		
<p><b>LUMILEDS</b></p> <p>LED LUXEON CoB M02/M03</p> <p>FWHM / FWTM 32.0° / 54.0°</p> <p>Efficiency 81 %</p> <p>Peak intensity 2.4 cd/m</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: F17436_HEKLA-G2-D</p>		
<p><b>LUMILEDS</b></p> <p>LED LUXEON CoB S01</p> <p>FWHM / FWTM 34.0° / 52.0°</p> <p>Efficiency 83 %</p> <p>Peak intensity 2.4 cd/m</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: F17439_HEKLA-G2-J</p>		

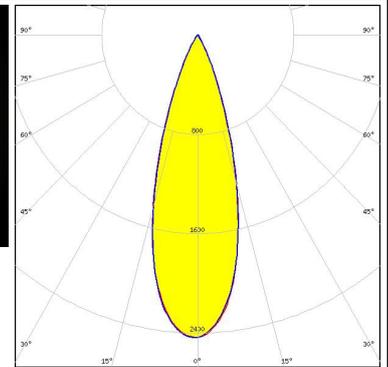
#### OPTICAL RESULTS (MEASURED):

<p><b>LUMINUS</b></p> <p>LED CXM-3            FWHM / FWTM 33.0° / 51.0°            Efficiency 83 %            Peak intensity 2.4 cd/m            LEDs/each optic 1            Light colour White            Required components:            F17435_HEKLA-G2-C</p>		
<p><b>LUMINUS</b></p> <p>LED CXM-4            FWHM / FWTM 33.0° / 51.0°            Efficiency 83 %            Peak intensity 2.4 cd/m            LEDs/each optic 1            Light colour White            Required components:            F17435_HEKLA-G2-C</p>		
<p><b>NICHIA</b></p> <p>LED COB L-Type (LES 9)            FWHM / FWTM 32.0° / 54.0°            Efficiency 80 %            Peak intensity 2.4 cd/m            LEDs/each optic 1            Light colour White            Required components:            F17437_HEKLA-G2-H</p>		
<p><b>NICHIA</b></p> <p>LED COB S-Type (LES 7)            FWHM / FWTM 34.0° / 54.0°            Efficiency 83 %            Peak intensity 2.3 cd/m            LEDs/each optic 1            Light colour White            Required components:            F15848_HEKLA-SOCKET-G</p>		

#### OPTICAL RESULTS (MEASURED):

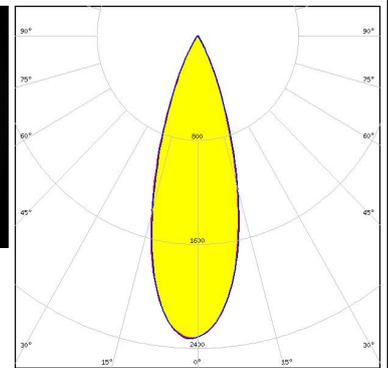
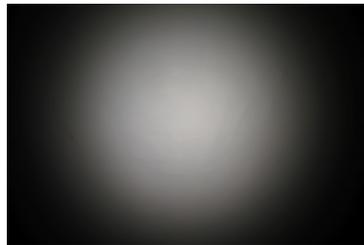
### PHILIPS

LED Fortimo SLM L09 CoB  
 FWHM / FWTM 32.0° / 53.0°  
 Efficiency 80 %  
 Peak intensity 2.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F17437\_HEKLA-G2-H



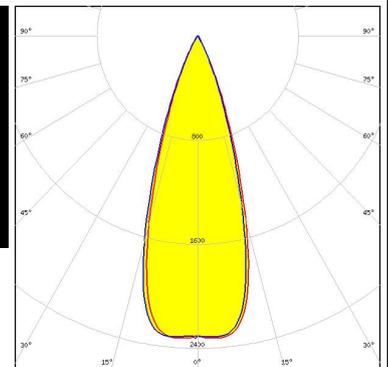
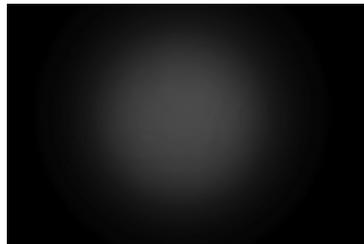
### SAMSUNG

LED LC003D / LC006D / LC009D / LC013D  
 FWHM / FWTM 32.0° / 55.0°  
 Efficiency 80 %  
 Peak intensity 2.3 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F17435\_HEKLA-G2-C



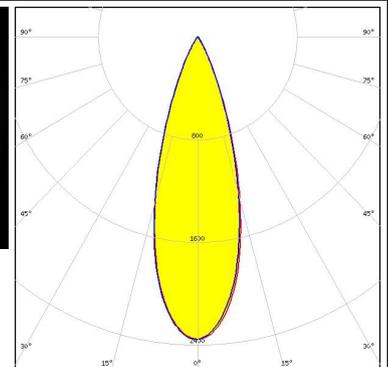
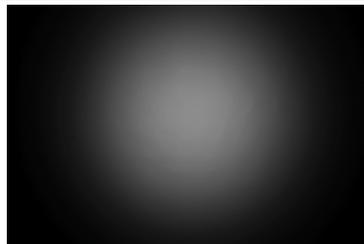
SEOUL SEMICONDUCTOR

LED MJT COB LES 6  
 FWHM / FWTM 34.0° / 53.0°  
 Efficiency 83 %  
 Peak intensity 2.3 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F17435\_HEKLA-G2-C



SEOUL SEMICONDUCTOR

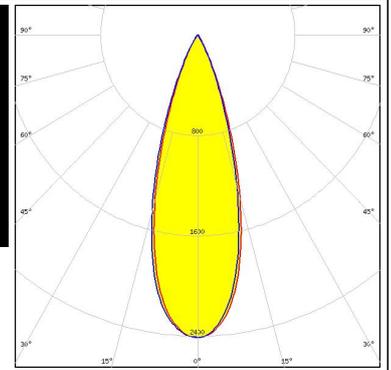
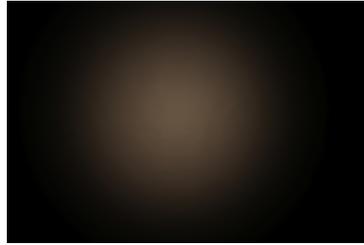
LED MJT COB LES 9.8  
 FWHM / FWTM 32.0° / 55.0°  
 Efficiency 80 %  
 Peak intensity 2.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F17435\_HEKLA-G2-C



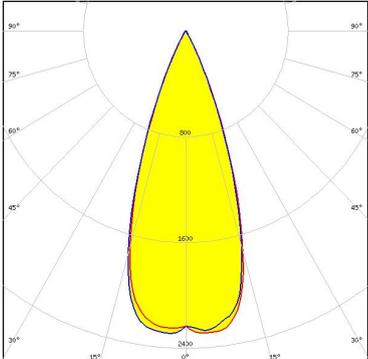
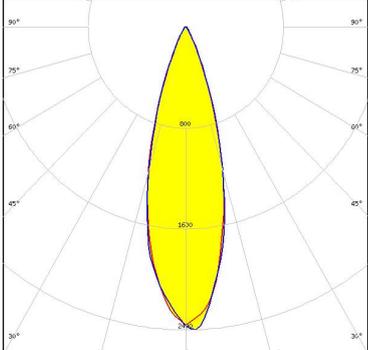
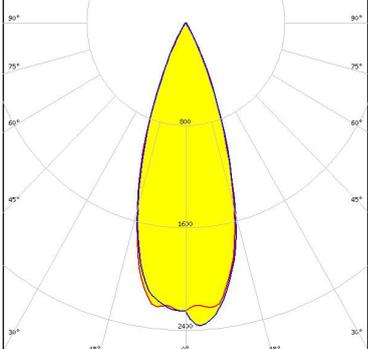
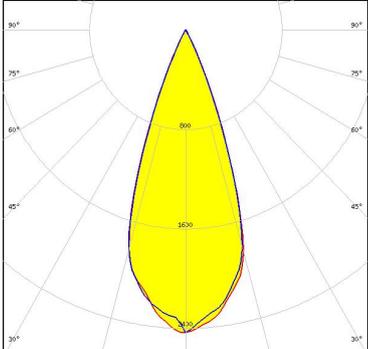
### OPTICAL RESULTS (MEASURED):

#### TRIDONIC

LED SLE G7 LES09  
FWHM / FWTM 32.0° / 54.0°  
Efficiency 81 %  
Peak intensity 2.4 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
F17435\_HEKLA-G2-C



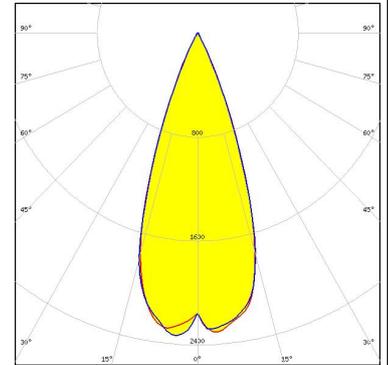
#### OPTICAL RESULTS (SIMULATED):

<p></p> <p>LED V6 HD Gen 7</p> <p>FWHM / FWTM 38.0° / 54.0°</p> <p>Efficiency 90 %</p> <p>Peak intensity 2.3 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: F17435_HEKLA-G2-C</p>	
<p></p> <p>LED Vero SE 13</p> <p>FWHM / FWTM 30.0° / 52.0°</p> <p>Efficiency 74 %</p> <p>Peak intensity 2.4 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 CLU712/713</p> <p>FWHM / FWTM 36.0° / 56.0°</p> <p>Efficiency 88 %</p> <p>Peak intensity 2.4 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: F17438_HEKLA-G2-I</p>	
<p></p> <p>LED CHA0304</p> <p>FWHM / FWTM 38.0° / 52.0°</p> <p>Efficiency 90 %</p> <p>Peak intensity 2.5 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: F17435_HEKLA-G2-C</p>	

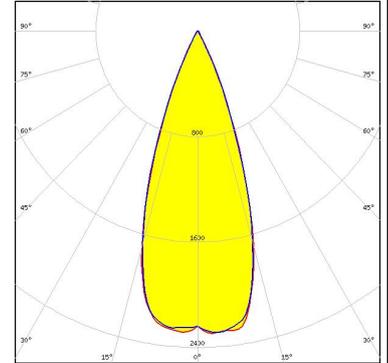
#### OPTICAL RESULTS (SIMULATED):



LED: CHA0410  
 FWHM / FWTM: 38.0° / 54.0°  
 Efficiency: 90 %  
 Peak intensity: 2.4 cd/lm  
 LEDs/each optic: 1  
 Light colour: White  
 Required components:  
 F17435\_HEKLA-G2-C

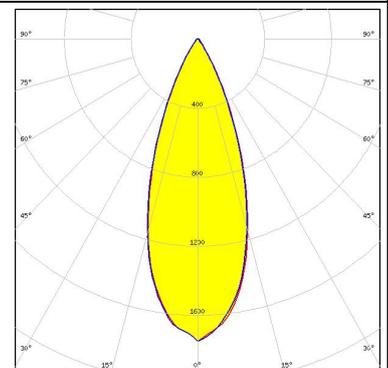


LED: CHA0612  
 FWHM / FWTM: 38.0° / 54.0°  
 Efficiency: 90 %  
 Peak intensity: 2.3 cd/lm  
 LEDs/each optic: 1  
 Light colour: White  
 Required components:  
 F17435\_HEKLA-G2-C



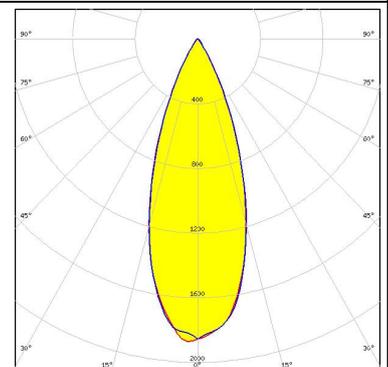
### PHILIPS

LED: Fortimo SLM L15 CoB  
 FWHM / FWTM: 38.0° / 64.0°  
 Efficiency: 79 %  
 Peak intensity: 1.8 cd/lm  
 LEDs/each optic: 1  
 Light colour: White  
 Required components:  
 Bender Wirth: 632a Hekla XL



### PHILIPS

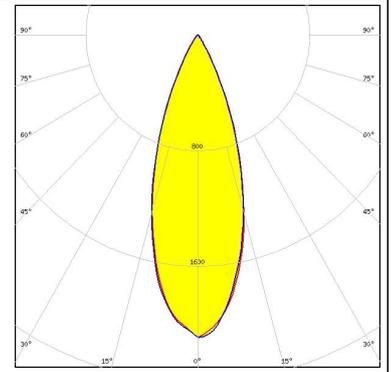
LED: Fortimo SLM L15 CoB  
 FWHM / FWTM: 37.0° / 62.0°  
 Efficiency: 81 %  
 Peak intensity: 1.9 cd/lm  
 LEDs/each optic: 1  
 Light colour: White  
 Required components:  
 Bender Wirth: 632a Hekla XL



### OPTICAL RESULTS (SIMULATED):

#### TRIDONIC

LED	SLE G7 LES13
FWHM / FWTM	36.0° / 60.0°
Efficiency	83 %
Peak intensity	2.1 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
	F17438_HEKLA-G2-I



#### 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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