

## ILONA-W

~35° wide beam

### SPECIFICATION:

Dimensions	Ø 49.8 mm
Height	29.7 mm
Fastening	socket
ROHS compliant	yes ⓘ

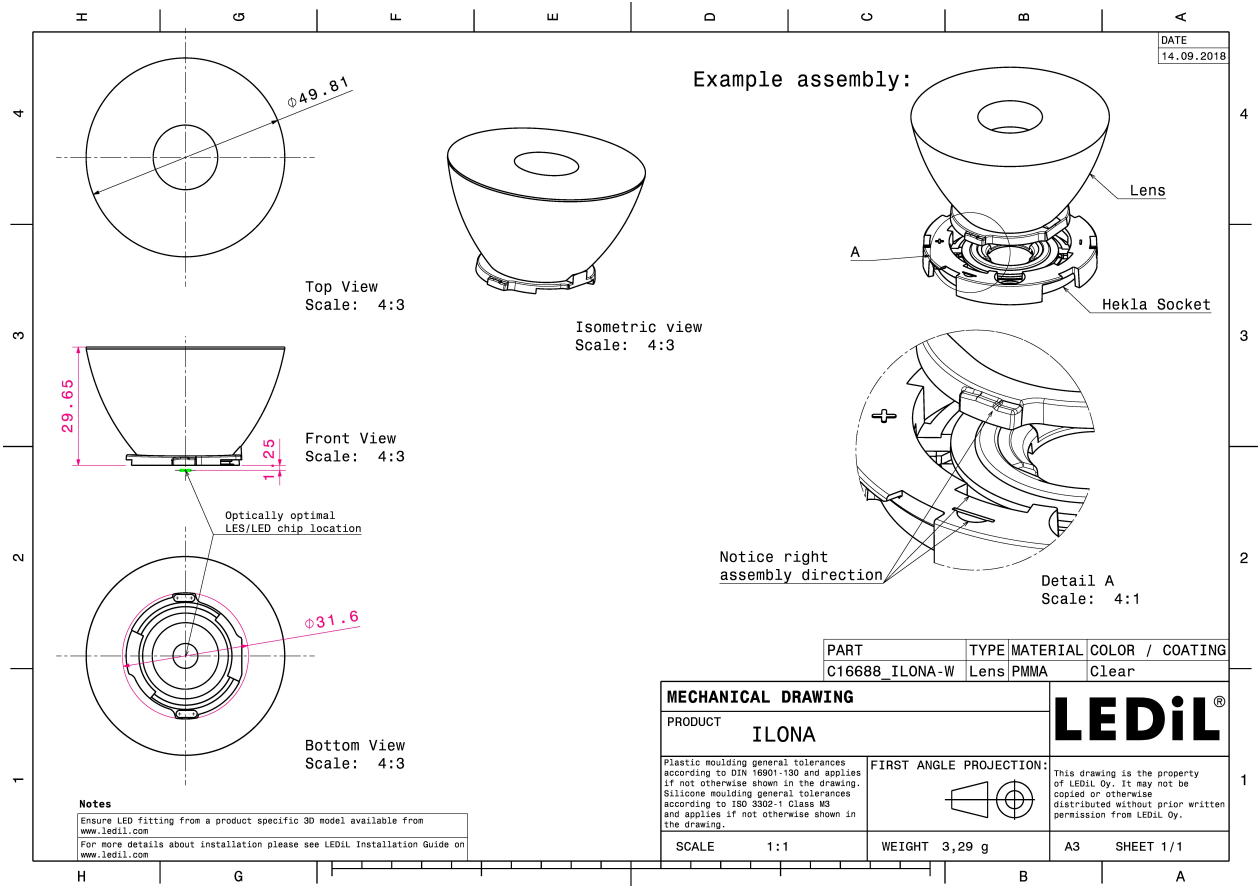
### MATERIALS:

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

### ORDERING INFORMATION:



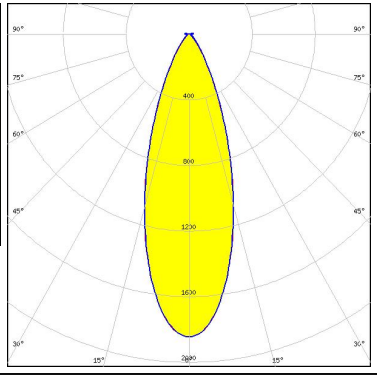


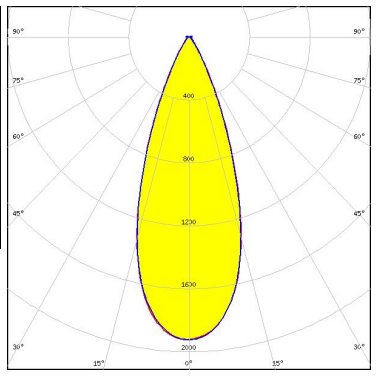


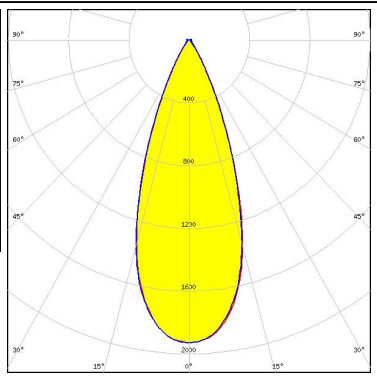


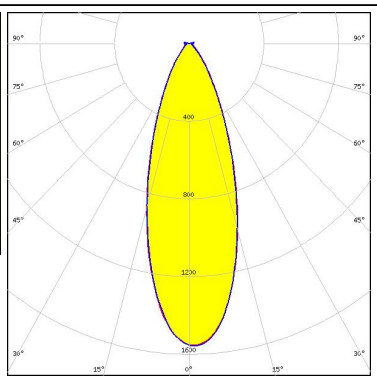
Component	Qty in box	MOQ	MPQ	Box weight (kg)
C16688_ILONA-W » Box size: 480 x 280 x 300 mm	264	99	33	10.1





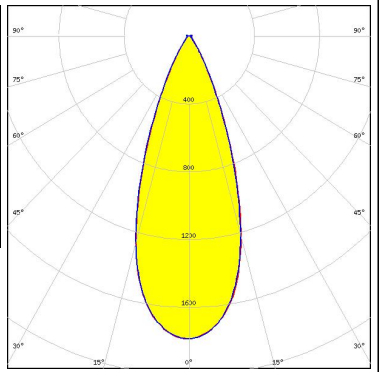
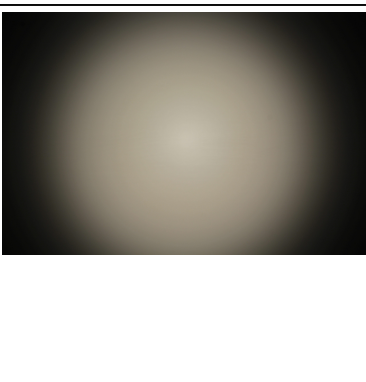
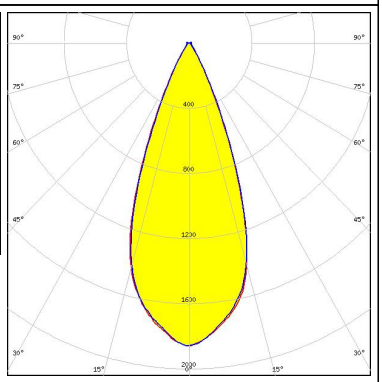


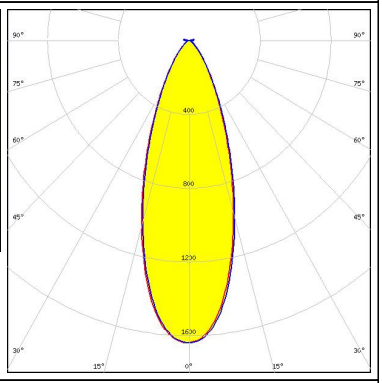


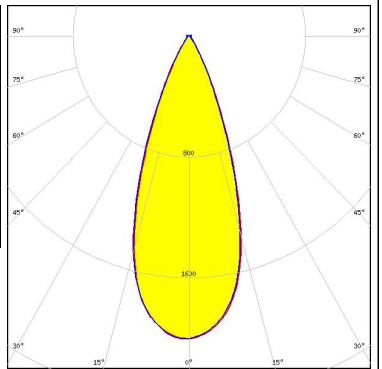


See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)


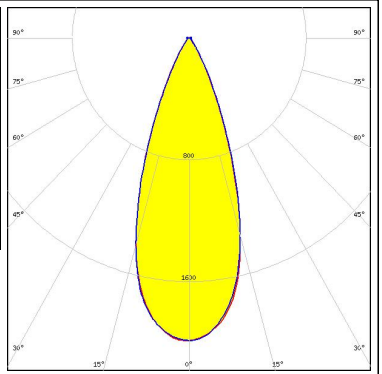
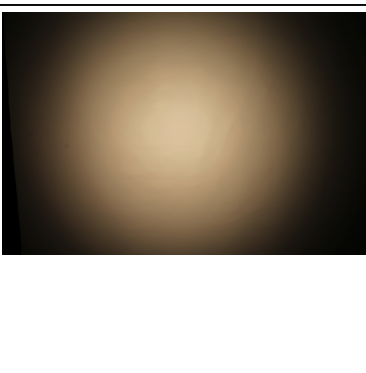
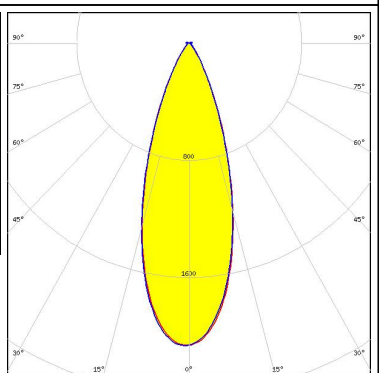

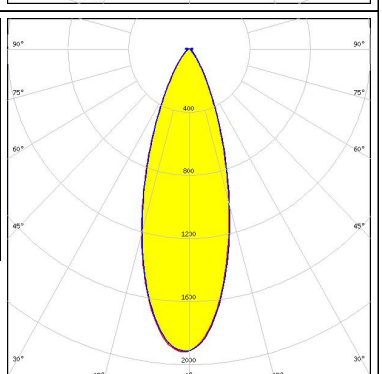

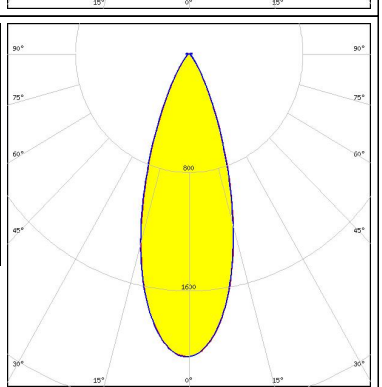
#### OPTICAL RESULTS (MEASURED):

<p></p> <p>LED V11 HD Gen 8</p> <p>FWHM / FWTM 35.0° / 67.0°</p> <p>Efficiency 91 %</p> <p>Peak intensity 1.8 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: Bender Wirth: 633d Hekla</p>		
<p></p> <p>LED V6 HD Gen 7</p> <p>FWHM / FWTM 38.0° / 62.0°</p> <p>Efficiency 93 %</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: 634c Hekla</p>		
<p></p> <p>LED V6 HD Gen 7</p> <p>FWHM / FWTM 39.0° / 62.0°</p> <p>Efficiency 93 %</p> <p>Peak intensity 1.9 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: F15255_HEKLA-SOCKET-C</p>		
<p></p> <p>LED Vesta DTW 13mm (21W)</p> <p>FWHM / FWTM 35.0° / 72.0°</p> <p>Efficiency 87 %</p> <p>Peak intensity 1.6 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour Tunable White</p> <p>Required components: C16142_HEKLA-SOCKET-K Bender Wirth: 491 Typ L8</p>		

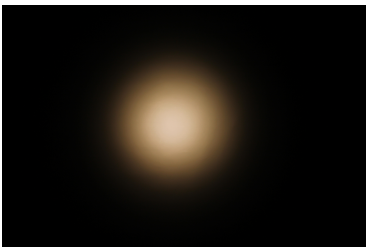
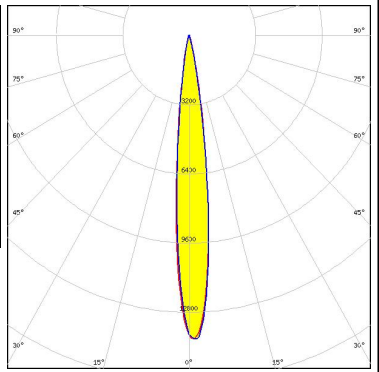
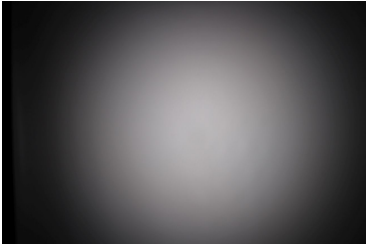
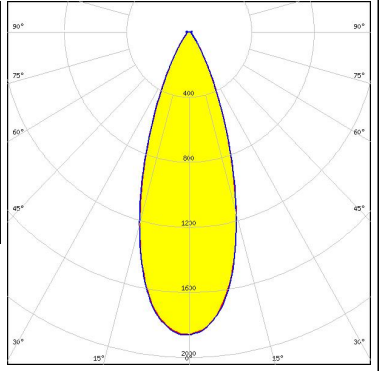
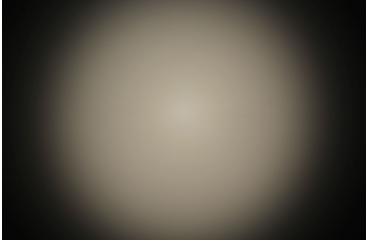
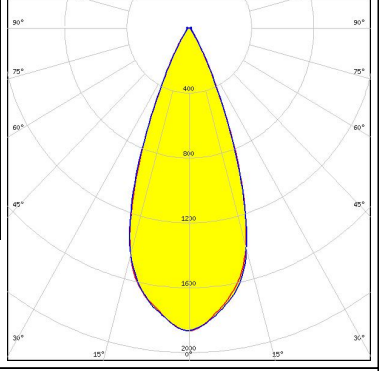
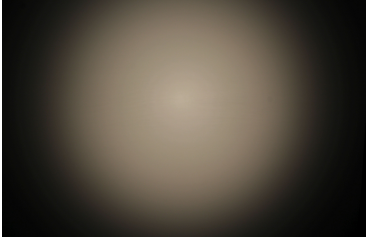
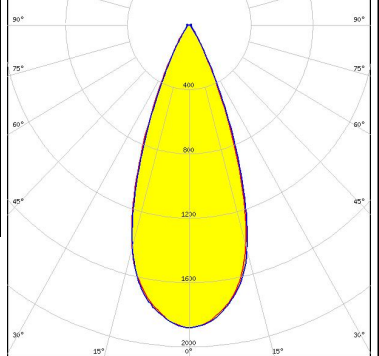
#### OPTICAL RESULTS (MEASURED):

<p> LED Vesta TW 6mm DP</p> <p>FWHM / FWTM 39.0° / 63.0°</p> <p>Efficiency 88 %</p> <p>Peak intensity 1.8 cd/lm</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><b>CITIZEN</b></p> <p>LED CLU7B2</p> <p>FWHM / FWTM 41.0° / 61.0°</p> <p>Efficiency 92 %</p> <p>Peak intensity 1.9 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: F15255_HEKLA-SOCKET-C</p>		
<p> LED LUXEON CX Plus CoB L08 (Gen2)</p> <p>FWHM / FWTM 36.0° / 72.0°</p> <p>Efficiency 90 %</p> <p>Peak intensity 1.6 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: Bender Wirth: 637a Hekla</p>		
<p> LED LUXEON CX Plus CoB - HD S01H4</p> <p>FWHM / FWTM 39.0° / 61.0°</p> <p>Efficiency 93 %</p> <p>Peak intensity 2 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><b>LUMILEDS</b></p> <p>LED LUXEON CX Plus CoB - HD S01H6 / HD S02H6</p> <p>FWHM / FWTM 38.0° / 61.0°</p> <p>Efficiency 93 %</p> <p>Peak intensity 2 cd/m</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 35.0° / 63.0°</p> <p>Efficiency 92 %</p> <p>Peak intensity 2.1 cd/m</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 L04 / L05 (Gen2)</p> <p>FWHM / FWTM 34.0° / 66.0°</p> <p>Efficiency 92 %</p> <p>Peak intensity 1.9 cd/m</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 35.0° / 63.0°</p> <p>Efficiency 92 %</p> <p>Peak intensity 2 cd/m</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: Bender Wirth: 641a Hekla</p>		

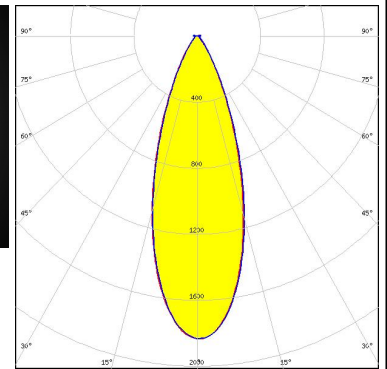
#### OPTICAL RESULTS (MEASURED):

<p><b>LUMILEDS</b></p> <p>LED LUXEON CX Plus CoB S01 (Gen2)</p> <p>FWHM / FWTM 12.0° / 23.0°</p> <p>Efficiency 94 %</p> <p>Peak intensity 14.3 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 Fusion 21-up (20x24)</p> <p>FWHM / FWTM 37.0° / 64.0°</p> <p>Efficiency 91 %</p> <p>Peak intensity 1.9 cd/lm</p> <p>LEDs/each optic 21</p> <p>Light colour White</p> <p>Required components: C16142_HEKLA-SOCKET-K Bender Wirth: 442 Typ L8</p>		
<p><b>LUMINUS</b></p> <p>LED CXM-3</p> <p>FWHM / FWTM 41.0° / 61.0°</p> <p>Efficiency 93 %</p> <p>Peak intensity 1.9 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: F15255_HEKLA-SOCKET-C</p>		
<p><b>LUMINUS</b></p> <p>LED CXM-4</p> <p>FWHM / FWTM 41.0° / 62.0°</p> <p>Efficiency 94 %</p> <p>Peak intensity 1.9 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: F15255_HEKLA-SOCKET-C</p>		

#### OPTICAL RESULTS (MEASURED):

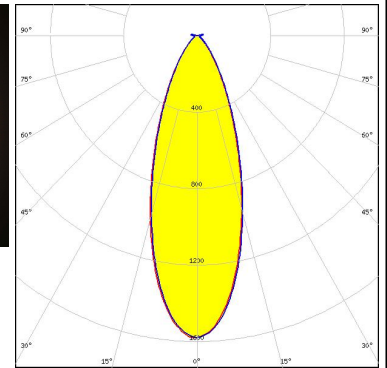
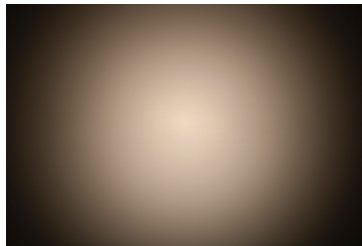
### SAMSUNG

LED LC010T (Tunable White)  
 FWHM / FWTM 35.0° / 65.0°  
 Efficiency 90 %  
 Peak intensity 1.8 cd/lm  
 LEDs/each optic 1  
 Light colour Tunable White  
 Required components:  
 C16142\_HEKLA-SOCKET-K  
 Bender Wirth: 501 Typ L8



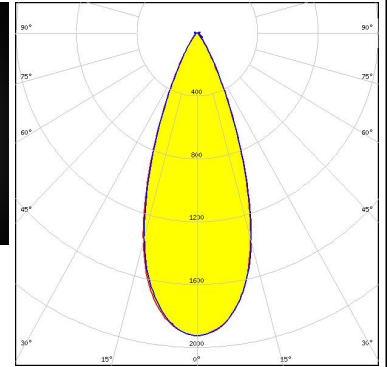
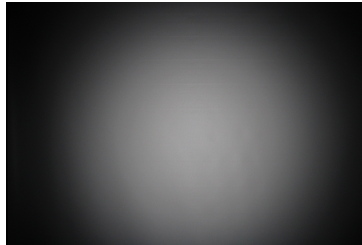
SEOUL SEMICONDUCTOR

LED MJT COB LES 14.5  
 FWHM / FWTM 36.0° / 74.0°  
 Efficiency 90 %  
 Peak intensity 1.6 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F17438\_HEKLA-G2-I



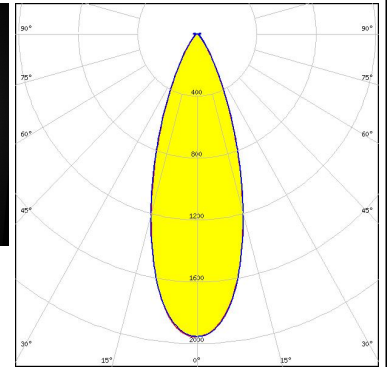
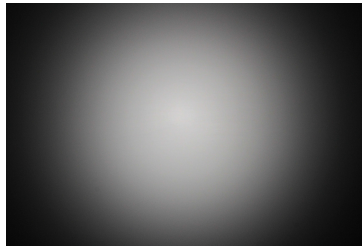
SEOUL SEMICONDUCTOR

LED MJT COB LES 6  
 FWHM / FWTM 39.0° / 63.0°  
 Efficiency 94 %  
 Peak intensity 1.9 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F17435\_HEKLA-G2-C



SEOUL SEMICONDUCTOR

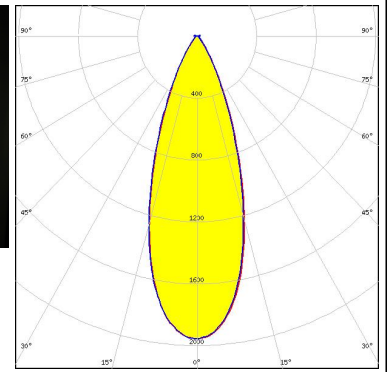
LED MJT COB LES 9.8  
 FWHM / FWTM 35.0° / 65.0°  
 Efficiency 93 %  
 Peak intensity 2 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F17435\_HEKLA-G2-C



## OPTICAL RESULTS (MEASURED):


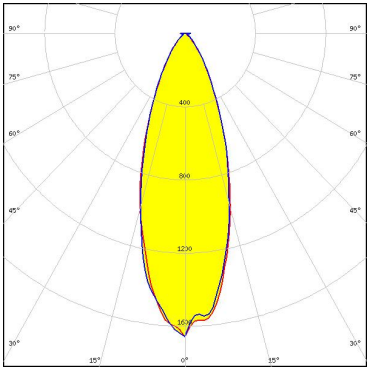

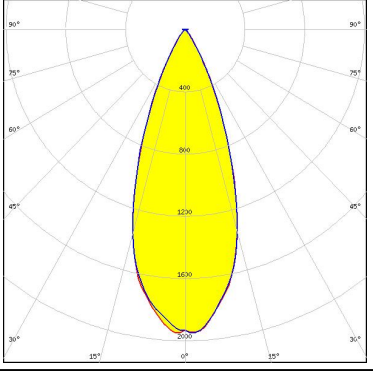

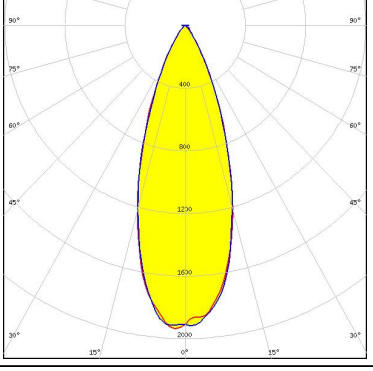

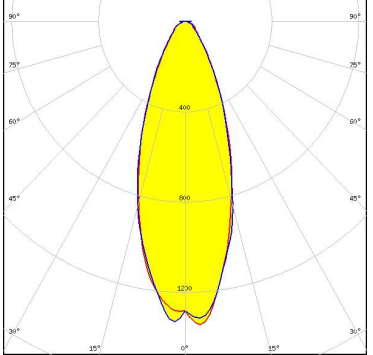
### TRIDONIC

LED SLE G7 LES09  
FWHM / FWTM 36.0° / 64.0°  
Efficiency 92 %  
Peak intensity 2 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
F15255\_HEKLA-SOCKET-C


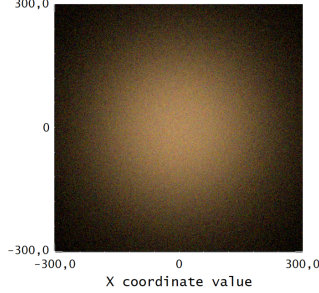
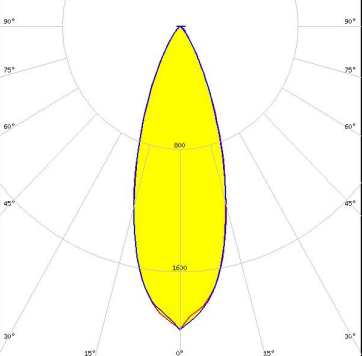

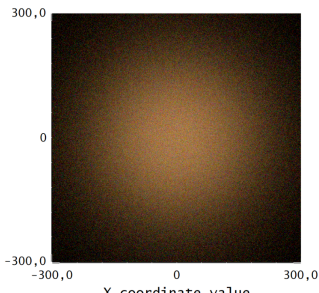
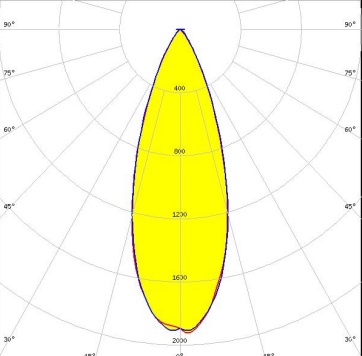

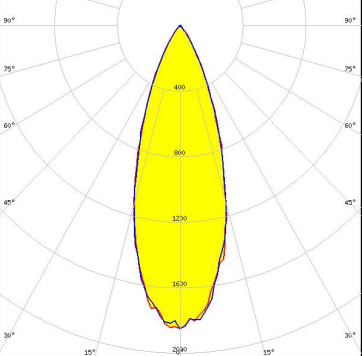

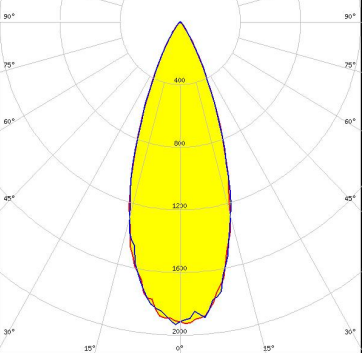




#### OPTICAL RESULTS (SIMULATED):

<p></p> <p>LED V13 Gen 8            FWHM / FWTM 36.0° / 72.0°            Efficiency 85 %            Peak intensity 1.7 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 38.0° / 64.0°            Efficiency 91 %            Peak intensity 2 cd/lm            LEDs/each optic 1            Light colour White            Required components:            F15253_HEKLA-SOCKET-A</p>	
<p></p> <p>LED V9 HD Gen7            FWHM / FWTM 36.0° / 64.0°            Efficiency 89 %            Peak intensity 2 cd/lm            LEDs/each optic 1            Light colour White            Required components:            F15859_HEKLA-SOCKET-I</p>	
<p></p> <p>LED Vero SE 13            FWHM / FWTM 37.0° / 78.0°            Efficiency 85 %            Peak intensity 1.3 cd/lm            LEDs/each optic 1            Light colour White            Required components:            C16142_HEKLA-SOCKET-K</p>	

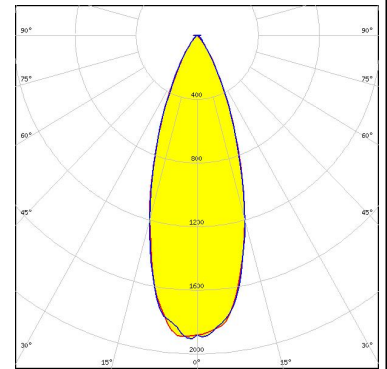
### OPTICAL RESULTS (SIMULATED):

<p></p> <p>LED VERO10            FWHM / FWTM 36.0° / 64.0°            Efficiency 90 %            Peak intensity 2 cd/lm            LEDs/each optic 1            Light colour White            Required components:            F15616_HEKLA-SOCKET-F</p>		
<p></p> <p>LED Vesta DTW 9mm (4W/6W/12W)            FWHM / FWTM 36.0° / 64.0°            Efficiency 90 %            Peak intensity 1.9 cd/lm            LEDs/each optic 1            Light colour White            Required components:            C16142_HEKLA-SOCKET-K            Bender Wirth: 490 Typ L8</p>		
<p><b>CITIZEN</b></p> <p>LED CLL02x/CLU02x (LES10)            FWHM / FWTM 35.0° / 64.0°            Efficiency 79 %            Peak intensity 1.9 cd/lm            LEDs/each optic 1            Light colour White            Required components:            F15255_HEKLA-SOCKET-C</p>		
<p><b>CITIZEN</b></p> <p>LED CLU700/701/702/703            FWHM / FWTM 38.0° / 63.0°            Efficiency 84 %            Peak intensity 2 cd/lm            LEDs/each optic 1            Light colour White            Required components:            F15255_HEKLA-SOCKET-C</p>		

#### OPTICAL RESULTS (SIMULATED):

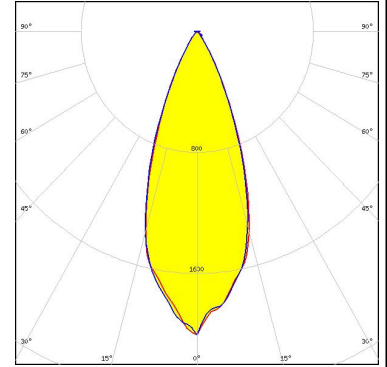
### CITIZEN

LED CLU712/713  
 FWHM / FWTM 36.0° / 66.0°  
 Efficiency 90 %  
 Peak intensity 2 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F17438\_HEKLA-G2-I



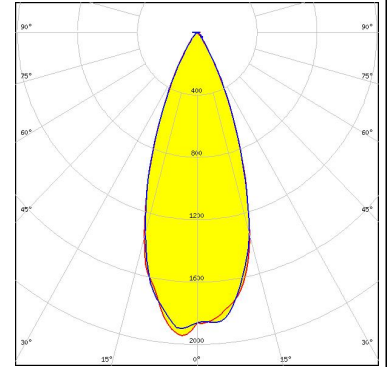
### CREE LED

LED CHA0304  
 FWHM / FWTM 38.0° / 62.0°  
 Efficiency 91 %  
 Peak intensity 2 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F17435\_HEKLA-G2-C



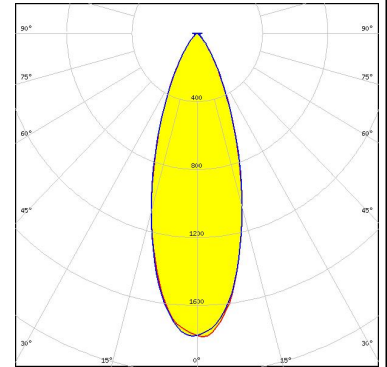
### CREE LED

LED CHA0410  
 FWHM / FWTM 38.0° / 63.0°  
 Efficiency 91 %  
 Peak intensity 2 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F17435\_HEKLA-G2-C



### CREE LED

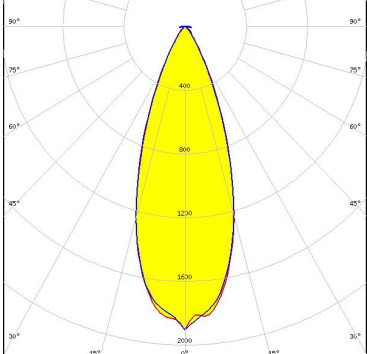
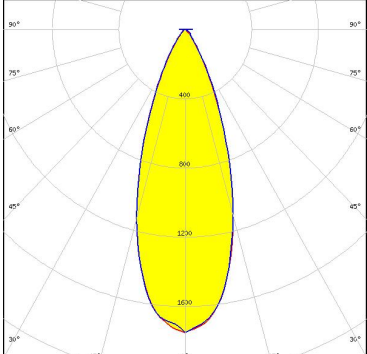
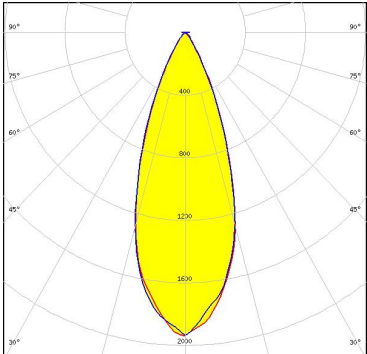
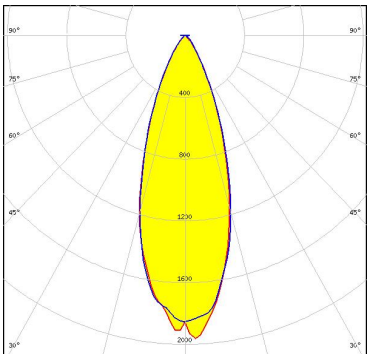
LED CMA1825  
 FWHM / FWTM 35.0° / 68.0°  
 Efficiency 87 %  
 Peak intensity 1.8 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F15254\_HEKLA-SOCKET-B



#### OPTICAL RESULTS (SIMULATED):

<p><b>LUMILEDS</b></p> <p>LED LUXEON CoB 1202/1203</p> <p>FWHM / FWTM 36.0° / 66.0°</p> <p>Efficiency 88 %</p> <p>Peak intensity 1.9 cd/lm</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 1202s</p> <p>FWHM / FWTM 36.0° / 64.0°</p> <p>Efficiency 91 %</p> <p>Peak intensity 2.1 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>	
<p><b>LUMILEDS</b></p> <p>LED LUXEON CoB 1204/1205</p> <p>FWHM / FWTM 35.0° / 69.0°</p> <p>Efficiency 87 %</p> <p>Peak intensity 1.8 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>	
<p><b>LUMILEDS</b></p> <p>LED LUXEON CoB 1208</p> <p>FWHM / FWTM 32.0° / 62.0°</p> <p>Efficiency 88 %</p> <p>Peak intensity 2.1 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>	

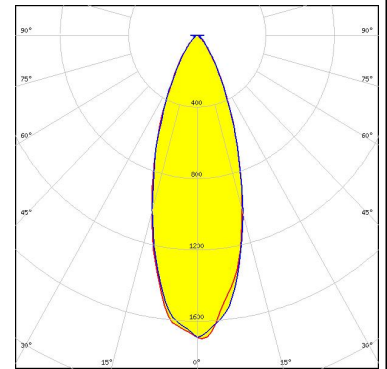
### OPTICAL RESULTS (SIMULATED):

<p><b>NICHIA</b></p> <p>LED COB S-Type (LES 7)</p> <p>FWHM / FWTM 36.0° / 64.0°</p> <p>Efficiency 90 %</p> <p>Peak intensity 1.9 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: F15848_HEKLA-SOCKET-G</p>	
<p><b>NICHIA</b></p> <p>LED NFSWE11A</p> <p>FWHM / FWTM 36.0° / 65.0°</p> <p>Efficiency 83 %</p> <p>Peak intensity 1.8 cd/lm</p> <p>LEDs/each optic 30</p> <p>Light colour White</p> <p>Required components: C16142_HEKLA-SOCKET-K</p>	
<p><b>OSRAM</b> Opto Semiconductors</p> <p>LED Duris S8</p> <p>FWHM / FWTM 38.0° / 64.0°</p> <p>Efficiency 88 %</p> <p>Peak intensity 2 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: F15848_HEKLA-SOCKET-G</p>	
<p><b>PHILIPS</b></p> <p>LED Fortimo SLM L09 CoB</p> <p>FWHM / FWTM 35.0° / 66.0°</p> <p>Efficiency 89 %</p> <p>Peak intensity 2 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: F17437_HEKLA-G2-H</p>	

#### OPTICAL RESULTS (SIMULATED):

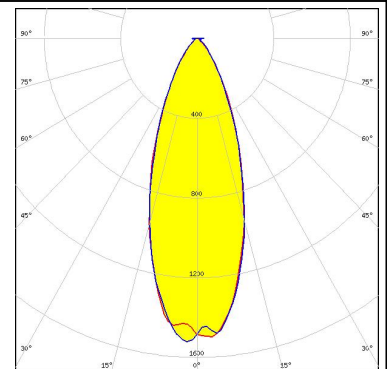
### PHILIPS

LED Fortimo SLM L13 CoB  
 FWHM / FWTM 35.0° / 70.0°  
 Efficiency 86 %  
 Peak intensity 1.7 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 Bender Wirth: 632a Hekla XL



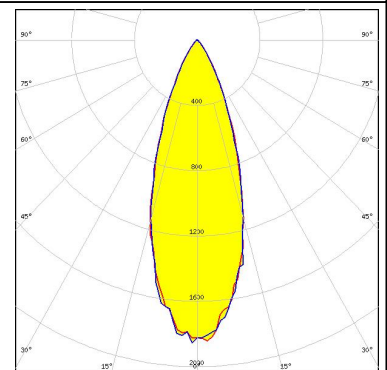
### PHILIPS

LED Fortimo SLM L15 CoB  
 FWHM / FWTM 37.0° / 74.0°  
 Efficiency 85 %  
 Peak intensity 1.6 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 Bender Wirth: 632a Hekla XL



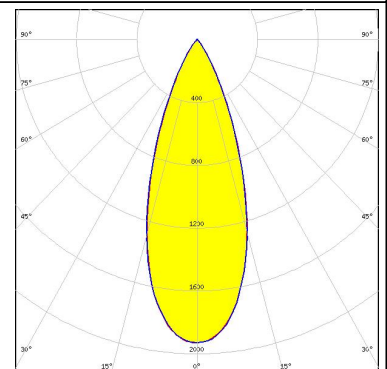
### SAMSUNG

LED LC003D / LC006D / LC009D / LC013D  
 FWHM / FWTM 35.0° / 64.0°  
 Efficiency 80 %  
 Peak intensity 1.9 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F15255\_HEKLA-SOCKET-C



### SAMSUNG

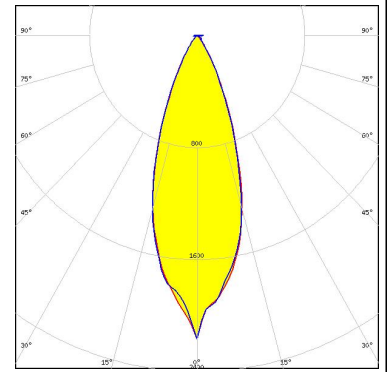
LED LC010C  
 FWHM / FWTM 38.0° / 64.0°  
 Efficiency 87 %  
 Peak intensity 1.9 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F15848\_HEKLA-SOCKET-G



### OPTICAL RESULTS (SIMULATED):

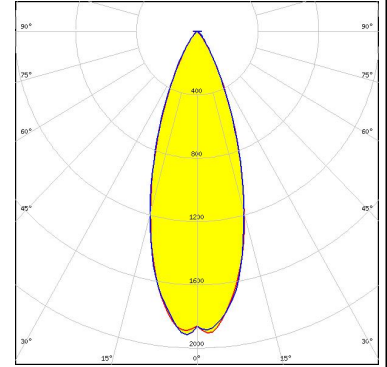
#### SAMSUNG

LED LC020C  
FWHM / FWTM 34.0° / 62.0°  
Efficiency 90 %  
Peak intensity 2.2 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
F17438\_HEKLA-G2-I



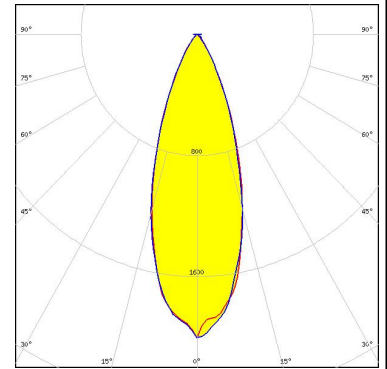
#### XICATO

LED XOB 9.8 mm  
FWHM / FWTM 36.0° / 65.0°  
Efficiency 88 %  
Peak intensity 1.9 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
F17435\_HEKLA-G2-C



#### XICATO

LED XTM - 9mm LES  
FWHM / FWTM 35.0° / 64.0°  
Efficiency 89 %  
Peak intensity 2 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C15743\_XTM-ADAPTER-50-B



### GENERAL INFORMATION:

NOTE: The typical beam angle will be changed by different color, chip size and chip position tolerance. The typical total beam angle is the full angle measured where the luminous intensity is half of the peak value.

Due to use of high power COB's with this product, special attention to proper thermal design is highly recommended. LEDiL has no liability for direct, indirect or consecutive damages arising from the LEDiL products being used outside of the recommended temperature range.

### MATERIALS:

As part of our continuous research and improvement processes, and to ensure the best possible quality and availability of our products, LEDiL reserves the right to change material grades without notice.

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