

## AMY-50-M-C

~24° medium beam. Assembly with holder C compatible with HEKLA sockets and connectors. Black version.

### TECHNICAL SPECIFICATIONS:

Dimensions	Ø 49.9 mm
Height	13.1 mm
Fastening	socket
ROHS compliant	yes ⓘ

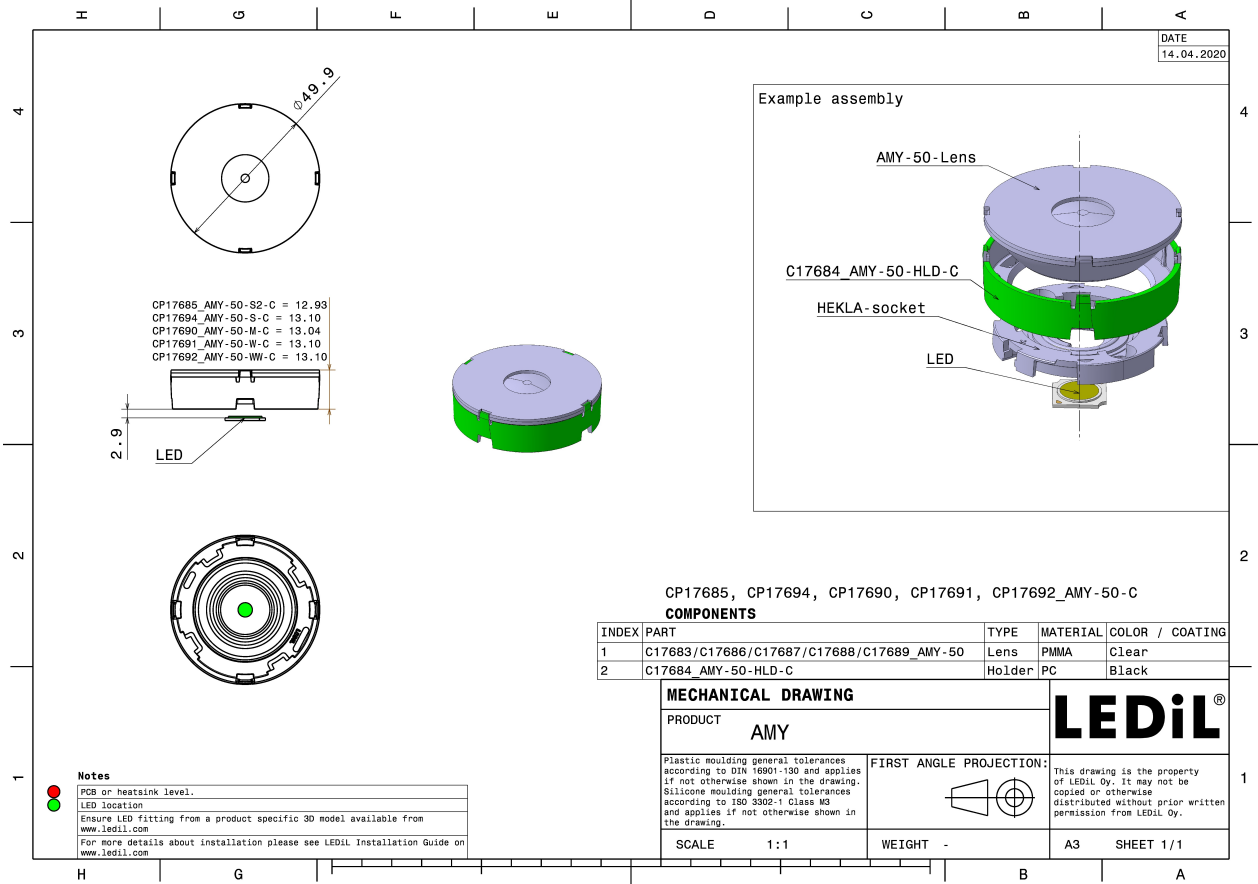


### MATERIAL SPECIFICATIONS:

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



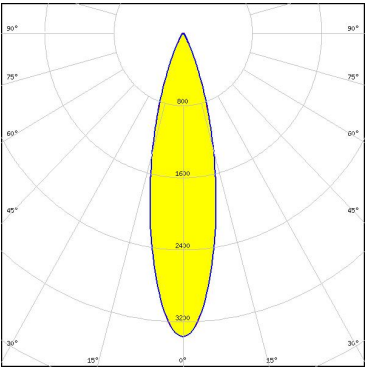


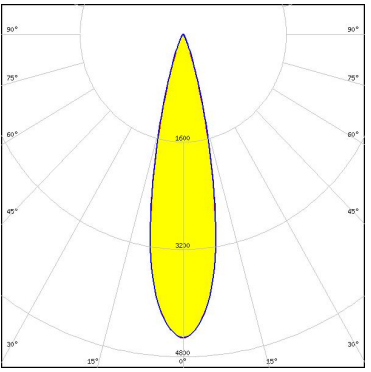


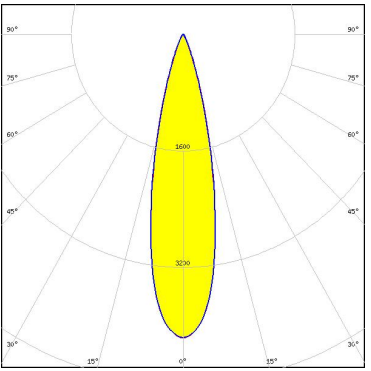


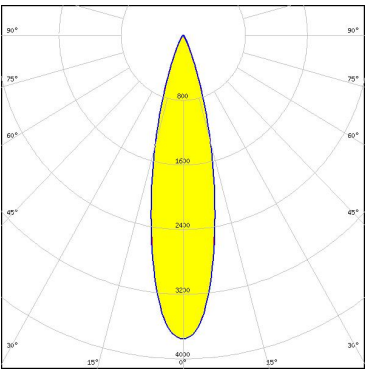
### ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
CP17690_AMY-50-M-C » Box size: 480 x 280 x 300 mm	510	120	30	9.1



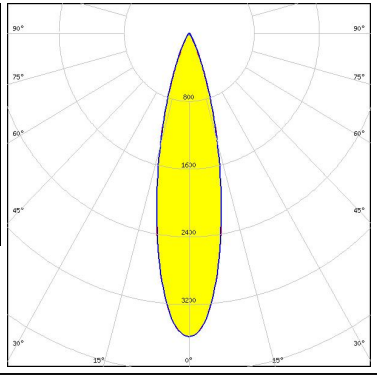


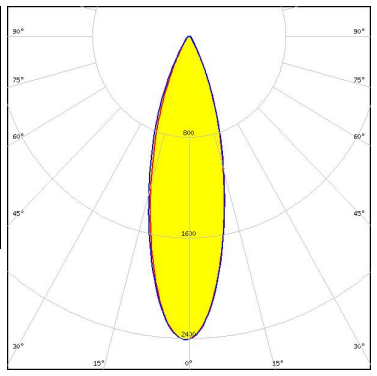


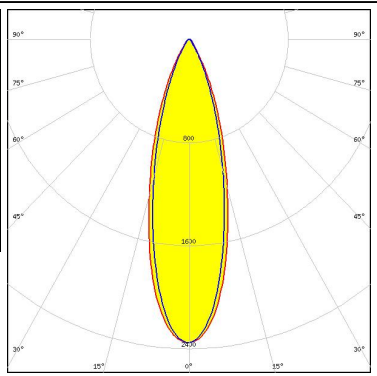


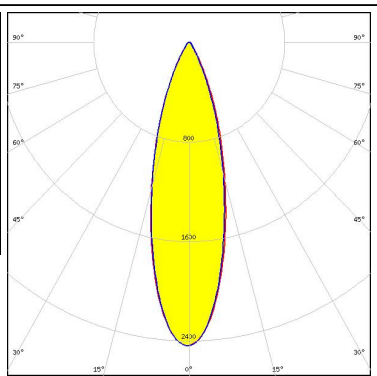


See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)



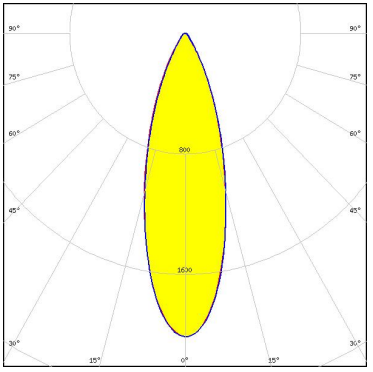


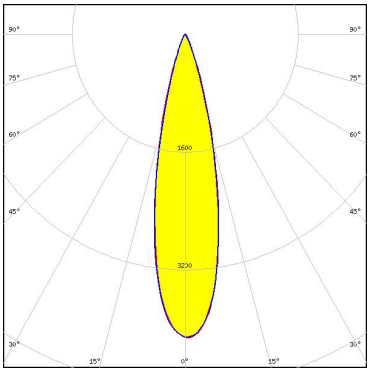


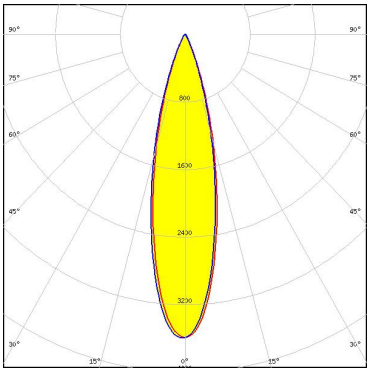

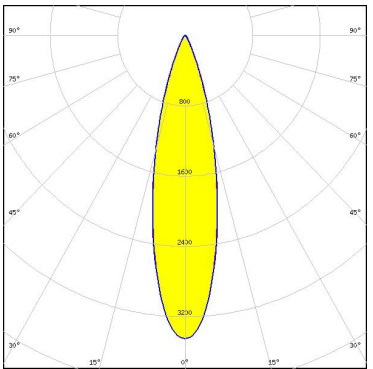
#### PHOTOMETRIC DATA (MEASURED):

<p></p> <p>LED V11 HD            FWHM / FWTM 26.0° / 50.0°            Efficiency 91 %            Peak intensity 3.4 cd/m            LEDs/each optic 1            Light colour White            Required components:            Bender Wirth: 633d Hekla</p>		
<p></p> <p>LED V4 HD            FWHM / FWTM 24.0° / 41.0°            Efficiency 93 %            Peak intensity 4.5 cd/m            LEDs/each optic 1            Light colour White            Required components:            F15253_HEKLA-SOCKET-A</p>		
<p></p> <p>LED V6 HD            FWHM / FWTM 24.0° / 43.0°            Efficiency 91 %            Peak intensity 4.2 cd/m            LEDs/each optic 1            Light colour White            Required components:            F15255_HEKLA-SOCKET-C</p>		
<p></p> <p>LED V9 HD            FWHM / FWTM 25.0° / 46.0°            Efficiency 90 %            Peak intensity 3.8 cd/m            LEDs/each optic 1            Light colour White            Required components:            F15859_HEKLA-SOCKET-I</p>		

#### PHOTOMETRIC DATA (MEASURED):

<p></p> <p>LED VERO10            FWHM / FWTM 25.0° / 47.0°            Efficiency 90 %            Peak intensity 3.6 cd/lm            LEDs/each optic 1            Light colour White            Required components:            F15616_HEKLA-SOCKET-F</p>		
<p></p> <p>LED Vesta DTW 13mm (21W)            FWHM / FWTM 30.0° / 57.0°            Efficiency 86 %            Peak intensity 2.4 cd/lm            LEDs/each optic 1            Light colour White            Required components:            C16142_HEKLA-SOCKET-K            Bender Wirth: 491 Typ L8</p>		
<p></p> <p>LED Vesta DTW 15mm (33W)            FWHM / FWTM 29.0° / 58.0°            Efficiency 86 %            Peak intensity 2.4 cd/lm            LEDs/each optic 1            Light colour White            Required components:            C16142_HEKLA-SOCKET-K            Bender Wirth: 491 Typ L8</p>		
<p></p> <p>LED Vesta TW 13mm (18W) DP            FWHM / FWTM 29.0° / 58.0°            Efficiency 87 %            Peak intensity 2.4 cd/lm            LEDs/each optic 1            Light colour Tunable White            Required components:            C16142_HEKLA-SOCKET-K            Bender Wirth: 492 Typ L8</p>		

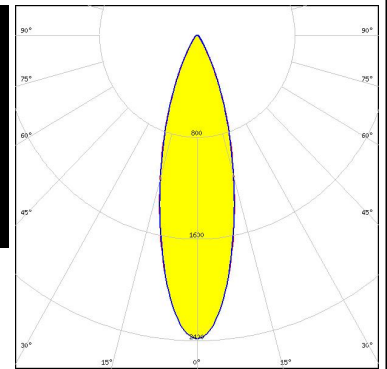
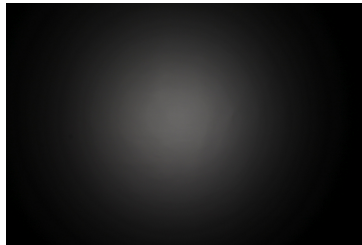
#### PHOTOMETRIC DATA (MEASURED):

<p></p> <p>LED Vesta TW 15mm DP            FWHM / FWTM 32.0° / 63.0°            Efficiency 86 %            Peak intensity 2 cd/lm            LEDs/each optic 1            Light colour Tunable White</p> <p>Required components:            C16142_HEKLA-SOCKET-K            Bender Wirth: 482 Typ L8</p>		
<p></p> <p>LED Vesta TW 6mm DP            FWHM / FWTM 24.0° / 43.0°            Efficiency 90 %            Peak intensity 4.1 cd/lm            LEDs/each optic 1            Light colour Tunable White</p> <p>Required components:            C16142_HEKLA-SOCKET-K            Bender Wirth: 504 Typ L8</p>		
<p></p> <p>LED Vesta TW 9mm (9W) DP            FWHM / FWTM 25.0° / 47.0°            Efficiency 89 %            Peak intensity 3.6 cd/lm            LEDs/each optic 1            Light colour Tunable White</p> <p>Required components:            C16142_HEKLA-SOCKET-K            Bender Wirth: 489 Typ L8</p>		
<p><b>CITIZEN</b></p> <p>LED CLL02x/CLU02x (LES10)            FWHM / FWTM 25.0° / 48.0°            Efficiency 89 %            Peak intensity 3.5 cd/lm            LEDs/each optic 1            Light colour White</p> <p>Required components:            F17435_HEKLA-G2-C</p>		

#### PHOTOMETRIC DATA (MEASURED):

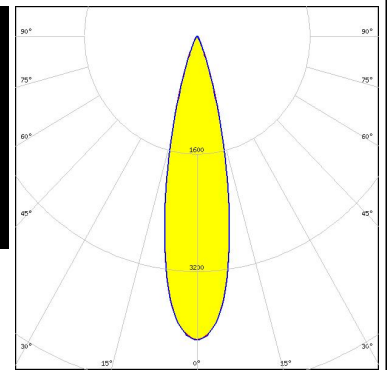
### CITIZEN

LED CLL03x/CLU03x  
 FWHM / FWTM 29.0° / 58.0°  
 Efficiency 87 %  
 Peak intensity 2.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F17438\_HEKLA-G2-I



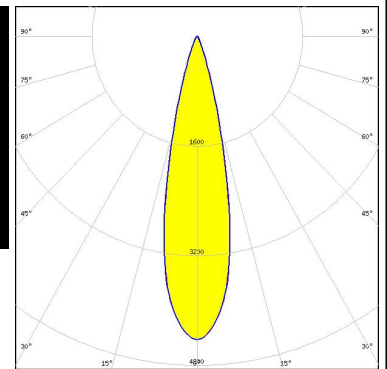
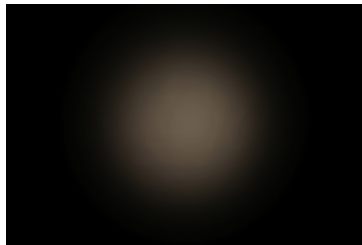
### CITIZEN

LED CLU700/701/702  
 FWHM / FWTM 24.0° / 43.0°  
 Efficiency 90 %  
 Peak intensity 4.1 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F17435\_HEKLA-G2-C



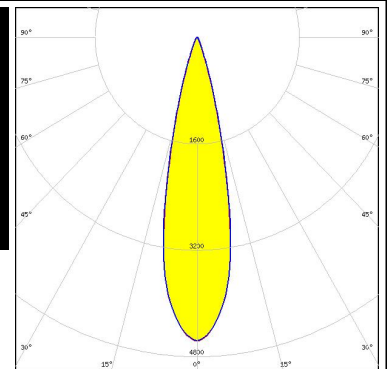
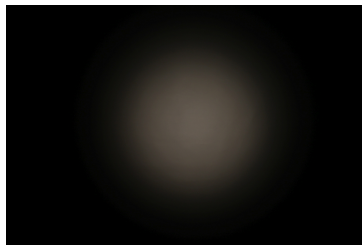
### CITIZEN

LED CLU7A2 (LES 4.2mm)  
 FWHM / FWTM 24.0° / 40.0°  
 Efficiency 90 %  
 Peak intensity 4.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F17435\_HEKLA-G2-C


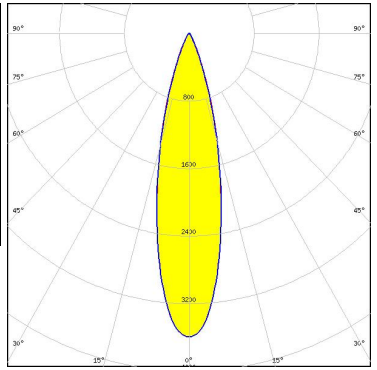

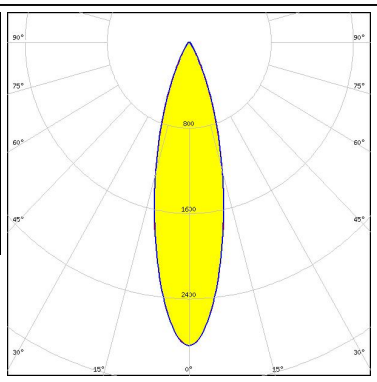

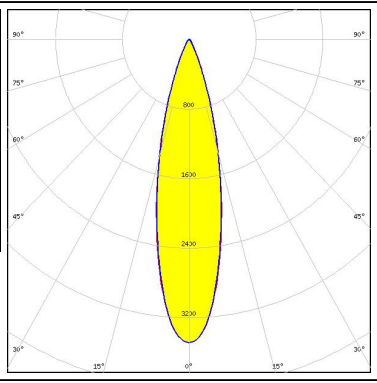

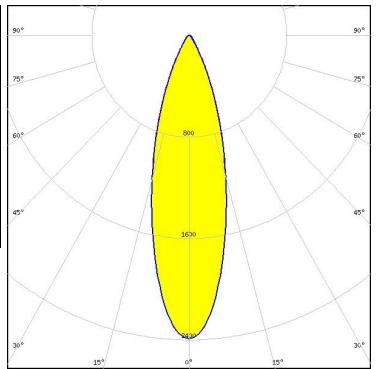


### CITIZEN

LED CLU7B2  
 FWHM / FWTM 24.0° / 39.0°  
 Efficiency 91 %  
 Peak intensity 4.6 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F17435\_HEKLA-G2-C



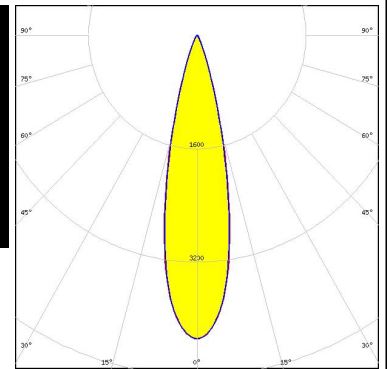
#### PHOTOMETRIC DATA (MEASURED):

<p><b>CREE → LED</b></p> <p>LED CMA1516            FWHM / FWTM 25.0° / 47.0°            Efficiency 90 %            Peak intensity 3.6 cd/lm            LEDs/each optic 1            Light colour White            Required components:            F17436_HEKLA-G2-D</p>		
<p><b>CREE → LED</b></p> <p>LED CMA1825            FWHM / FWTM 27.0° / 54.0°            Efficiency 89 %            Peak intensity 2.8 cd/lm            LEDs/each optic 1            Light colour White            Required components:            F15254_HEKLA-SOCKET-B</p>		
<p><b>CREE → LED</b></p> <p>LED CMT14xx            FWHM / FWTM 25.0° / 48.0°            Efficiency 89 %            Peak intensity 3.5 cd/lm            LEDs/each optic 1            Light colour White            Required components:            F17435_HEKLA-G2-C</p>		
<p><b>CREE → LED</b></p> <p>LED CMT19xx            FWHM / FWTM 29.0° / 58.0°            Efficiency 87 %            Peak intensity 2.4 cd/lm            LEDs/each optic 1            Light colour White            Required components:            F17438_HEKLA-G2-I</p>		

#### PHOTOMETRIC DATA (MEASURED):

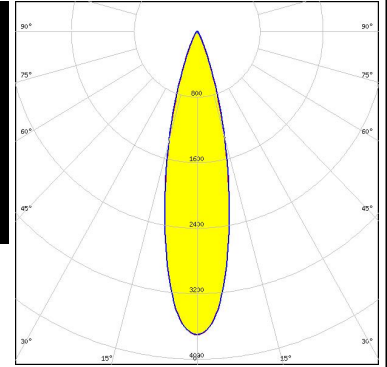
##### CREE LED

LED CXA/B 13xx  
 FWHM / FWTM 24.0° / 42.0°  
 Efficiency 91 %  
 Peak intensity 4.3 cd/m  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F17439\_HEKLA-G2-J



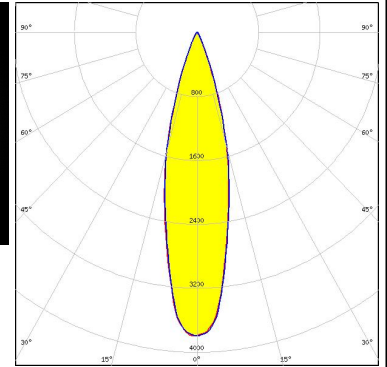
##### CREE LED

LED CXA/B 15xx  
 FWHM / FWTM 25.0° / 46.0°  
 Efficiency 90 %  
 Peak intensity 3.7 cd/m  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F17436\_HEKLA-G2-D



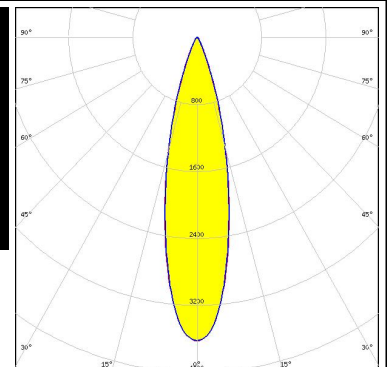
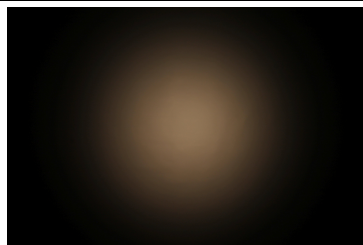
##### LEDIM

LED LEDIM/C6  
 FWHM / FWTM 26.0° / 46.0°  
 Efficiency 90 %  
 Peak intensity 3.8 cd/m  
 LEDs/each optic 9  
 Light colour White  
 Required components:  
 F17438\_HEKLA-G2-I


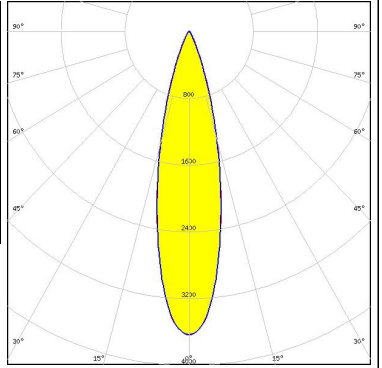

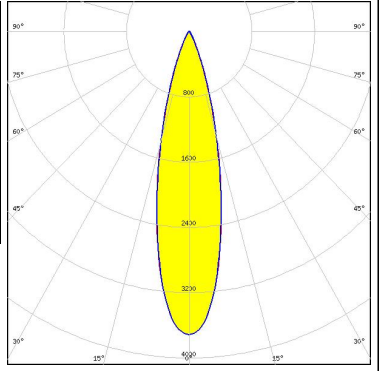

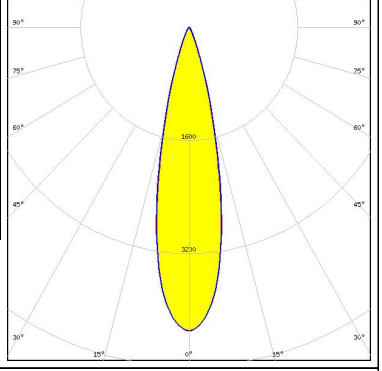

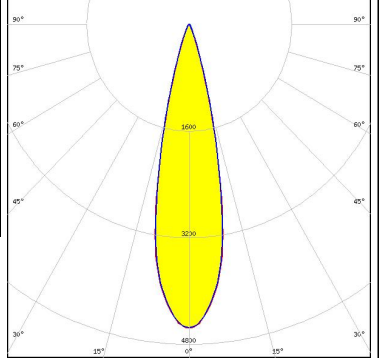


##### LUMILEDS


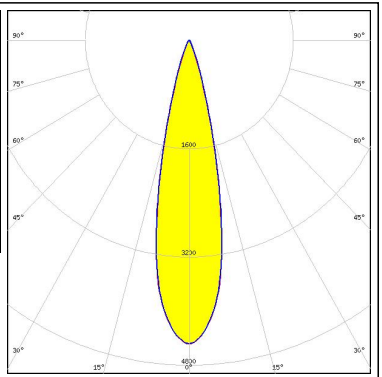

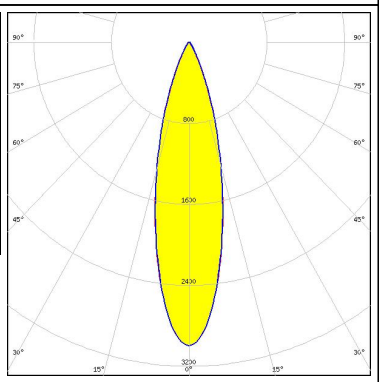

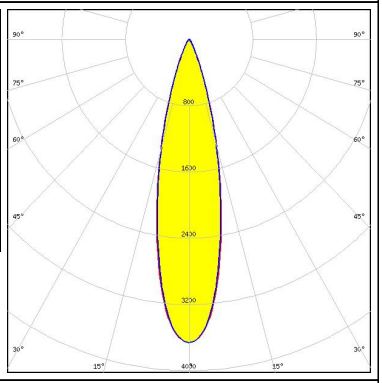

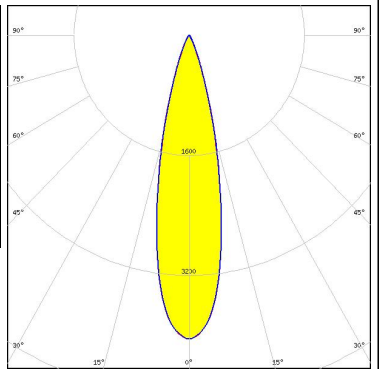
LED LUXEON CoB 1202/1203  
 FWHM / FWTM 25.0° / 46.0°  
 Efficiency 89 %  
 Peak intensity 3.6 cd/m  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F17437\_HEKLA-G2-H



#### PHOTOMETRIC DATA (MEASURED):

<p><b>LUMILEDS</b></p> <p>LED LUXEON CoB 1204HD</p> <p>FWHM / FWTM 25.0° / 47.0°</p> <p>Efficiency 89 %</p> <p>Peak intensity 3.6 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 25.0° / 47.0°</p> <p>Efficiency 90 %</p> <p>Peak intensity 3.7 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 24.0° / 42.0°</p> <p>Efficiency 91 %</p> <p>Peak intensity 4.3 cd/m</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: F17439_HEKLA-G2-J</p>		
<p><b>LUMINUS</b></p> <p>LED CXM-3</p> <p>FWHM / FWTM 24.0° / 40.0°</p> <p>Efficiency 91 %</p> <p>Peak intensity 4.6 cd/m</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: F17435_HEKLA-G2-C</p>		

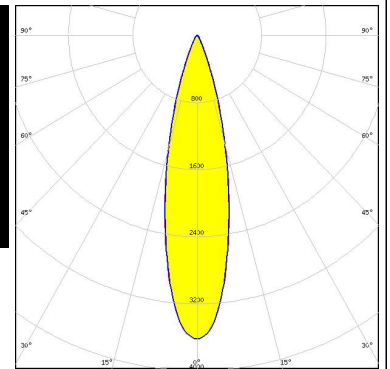
#### PHOTOMETRIC DATA (MEASURED):

<p><b>LUMINUS</b></p> <p>LED CXM-4            FWHM / FWTM 24.0° / 40.0°            Efficiency 91 %            Peak intensity 4.5 cd/lm            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 11)            FWHM / FWTM 27.0° / 52.0°            Efficiency 88 %            Peak intensity 3 cd/lm            LEDs/each optic 1            Light colour White            Required components:            F17437_HEKLA-G2-H</p>		
<p><b>NICHIA</b></p> <p>LED COB L-Type (LES 9)            FWHM / FWTM 25.0° / 46.0°            Efficiency 89 %            Peak intensity 3.7 cd/lm            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 24.0° / 44.0°            Efficiency 91 %            Peak intensity 4 cd/lm            LEDs/each optic 1            Light colour White            Required components:            F15848_HEKLA-SOCKET-G</p>		

#### PHOTOMETRIC DATA (MEASURED):

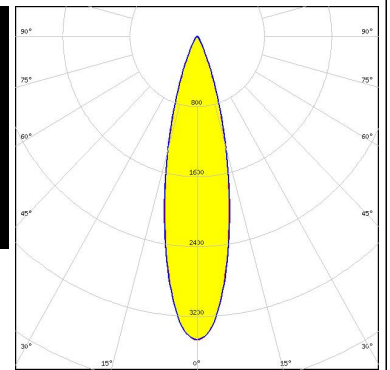
### PHILIPS

LED Fortimo SLM L09 CoB  
 FWHM / FWTM 25.0° / 47.0°  
 Efficiency 89 %  
 Peak intensity 3.6 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F17437\_HEKLA-G2-H



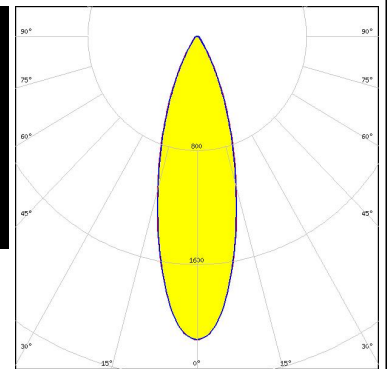
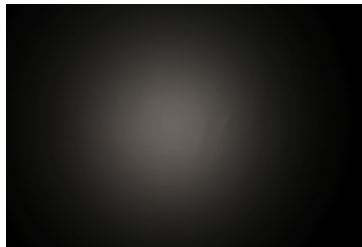
### SAMSUNG

LED LC003D / LC006D / LC009D / LC013D  
 FWHM / FWTM 25.0° / 48.0°  
 Efficiency 89 %  
 Peak intensity 3.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F17435\_HEKLA-G2-C



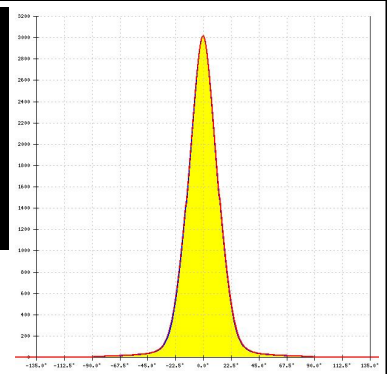
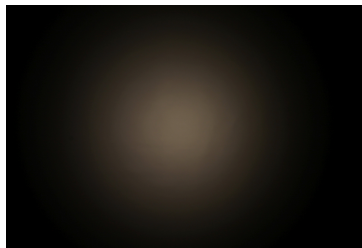
### SAMSUNG

LED LC016D / LC019D / LC026D / LC033D  
 FWHM / FWTM 31.0° / 62.0°  
 Efficiency 87 %  
 Peak intensity 2.1 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F17438\_HEKLA-G2-I


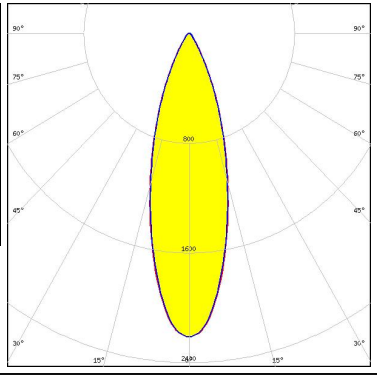

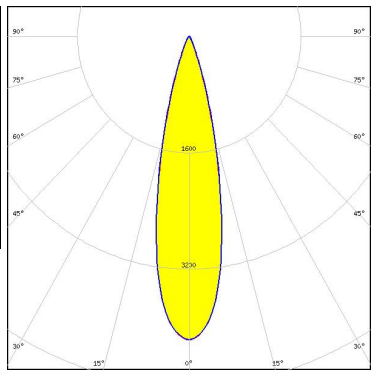

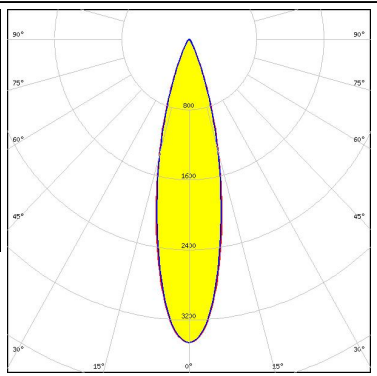

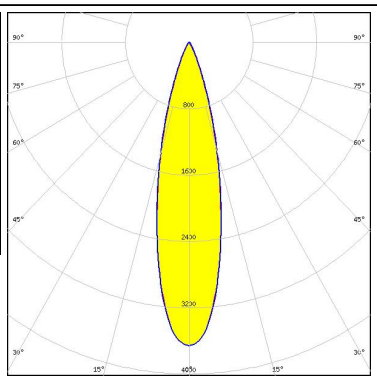


### SAMSUNG

LED LC030C/040C G2  
 FWHM / FWTM 26.0° / 52.0°  
 Efficiency 88 %  
 Peak intensity 3 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F17438\_HEKLA-G2-I



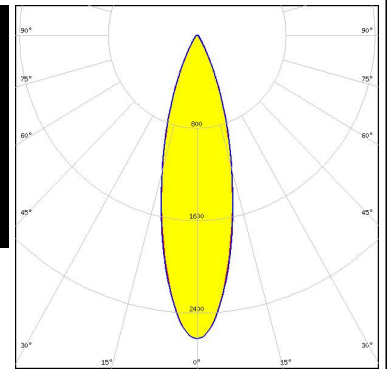
#### PHOTOMETRIC DATA (MEASURED):

<p><b>SEOUL SEMICONDUCTOR</b></p> <p>LED MJT COB LES 14.5</p> <p>FWHM / FWTM 30.0° / 60.0°</p> <p>Efficiency 87 %</p> <p>Peak intensity 2.2 cd/m</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: F17438_HEKLA-G2-I</p>		
<p><b>SEOUL SEMICONDUCTOR</b></p> <p>LED MJT COB LES 6</p> <p>FWHM / FWTM 24.0° / 42.0°</p> <p>Efficiency 91 %</p> <p>Peak intensity 4.2 cd/m</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: F17435_HEKLA-G2-C</p>		
<p><b>SEOUL SEMICONDUCTOR</b></p> <p>LED MJT COB LES 9.8</p> <p>FWHM / FWTM 25.0° / 48.0°</p> <p>Efficiency 90 %</p> <p>Peak intensity 3.5 cd/m</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: F17435_HEKLA-G2-C</p>		
<p><b>TRIDONIC</b></p> <p>LED SLE G7 LES09</p> <p>FWHM / FWTM 25.0° / 47.0°</p> <p>Efficiency 90 %</p> <p>Peak intensity 3.7 cd/m</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: F17435_HEKLA-G2-C</p>		

#### PHOTOMETRIC DATA (MEASURED):

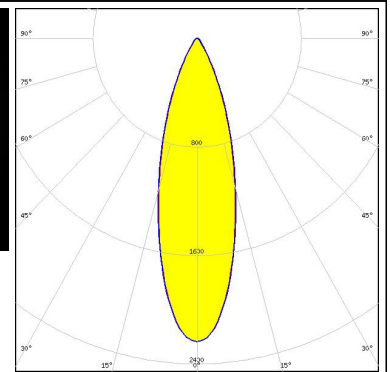
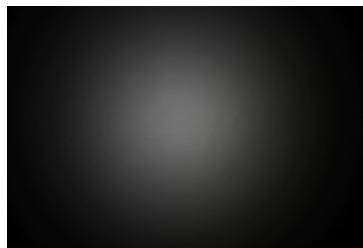
#### TRIDONIC

LED SLE G7 LES13  
FWHM / FWTM 28.0° / 55.0°  
Efficiency 87 %  
Peak intensity 2.6 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
F17438\_HEKLA-G2-I


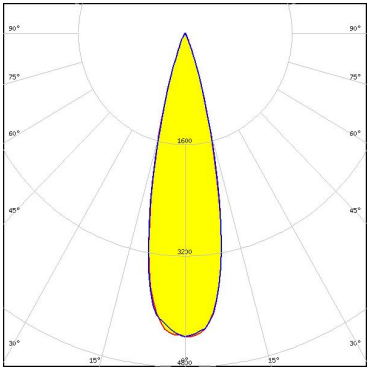

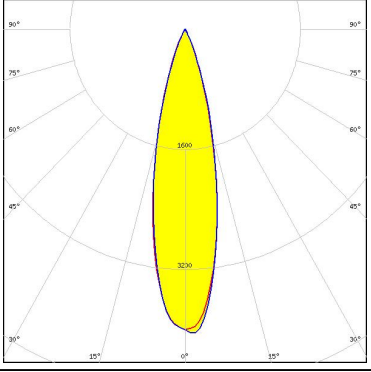

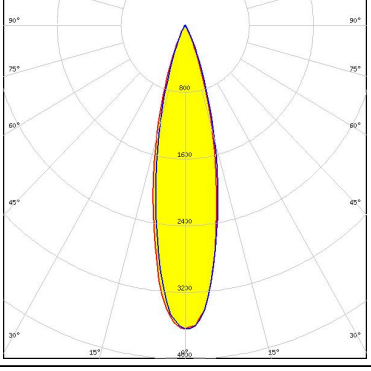
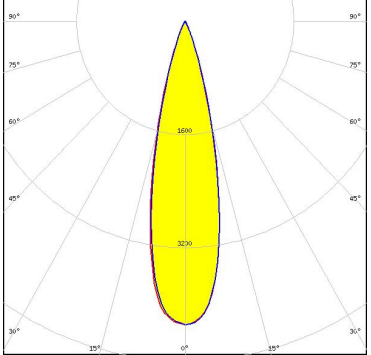


#### TRIDONIC

LED SLE G7 LES15  
FWHM / FWTM 30.0° / 60.0°  
Efficiency 87 %  
Peak intensity 2.2 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
F17438\_HEKLA-G2-I



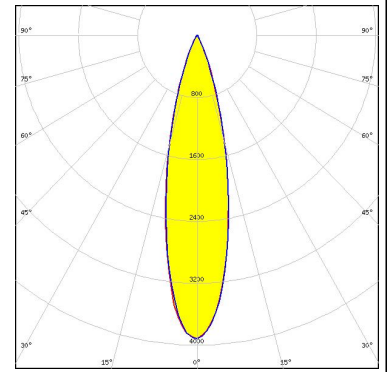
#### PHOTOMETRIC DATA (SIMULATED):

<p></p> <p>LED V4 HD</p> <p>FWHM / FWTM 26.1° / 42.2°</p> <p>Efficiency 92 %</p> <p>Peak intensity 4.4 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 Gen7</p> <p>FWHM / FWTM 24.0° / 46.0°</p> <p>Efficiency 90 %</p> <p>Peak intensity 4 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 Vesta TW 9mm (12W) CSP</p> <p>FWHM / FWTM 24.1° / 46.3°</p> <p>Efficiency 82 %</p> <p>Peak intensity 3.6 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 CLU700/701/702</p> <p>FWHM / FWTM 26.1 + 25.1° / 42.2°</p> <p>Efficiency 91 %</p> <p>Peak intensity 4.3 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: F15255_HEKLA-SOCKET-C</p>	

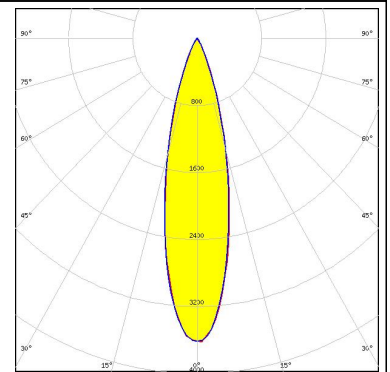
#### PHOTOMETRIC DATA (SIMULATED):



LED LUXEON CoB 1202/1203  
FWHM / FWTM 24.1° / 46.3°  
Efficiency 89 %  
Peak intensity 3.9 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
F15858\_HEKLA-SOCKET-H



LED LC003D / LC006D / LC009D / LC013D  
FWHM / FWTM 25.1° / 48.3°  
Efficiency 87 %  
Peak intensity 3.6 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
F15255\_HEKLA-SOCKET-C



### GENERAL INFORMATION:

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

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

### MATERIALS:

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

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The measured data in the provided downloadable LEDiL Product Datasheets and Mechanical 2D-Drawings is rounded and provided as reference for planning. LEDiL Oy's optical specifications have been verified by conducting performance testing of the products in accordance with the company's quality system. The reported data are averaged results of multiple measurements with typical variation. LEDiL Oy reserves the right to without prior notification make changes and improvements to its products.

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