

AMY-70-M-C

~24° medium beam. Assembly with holder C compatible with LEDiL HEKLA. Black version.

SPECIFICATION:

Dimensions	Ø 69.9 mm
Height	16.6 mm
Fastening	socket
ROHS compliant	yes ⓘ

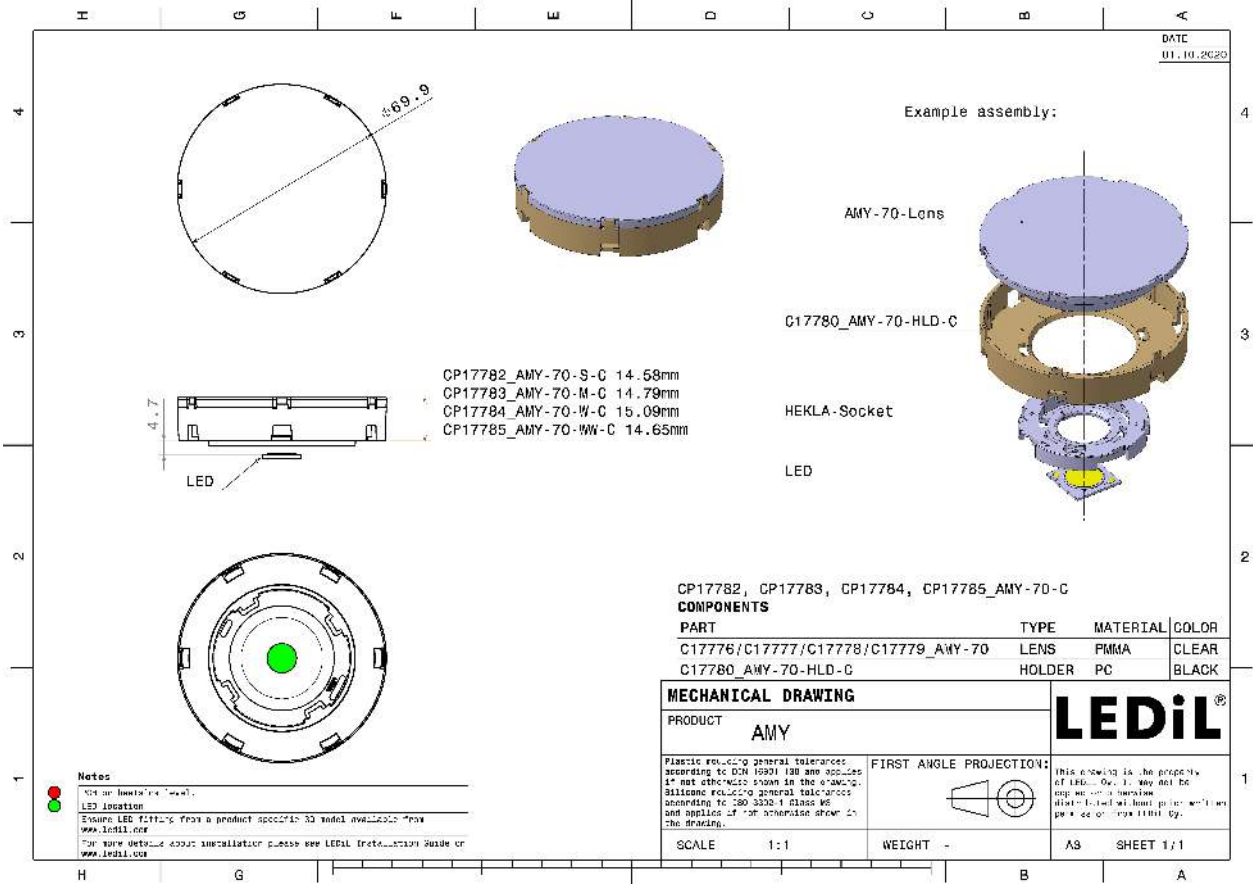
MATERIALS:

Component	Type	Material	Colour	Finish
AMY-70-M	Single lens	PMMA		
AMY-70-HLD-C	Holder	PC	black	

ORDERING INFORMATION:



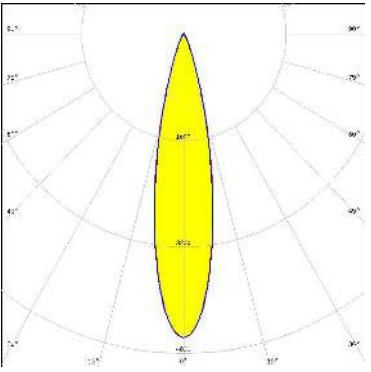


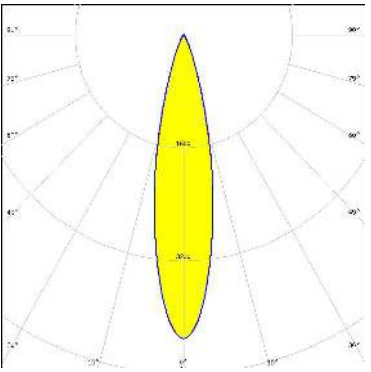

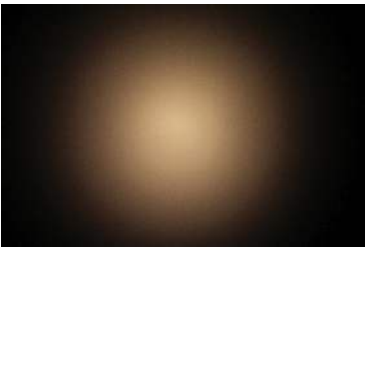
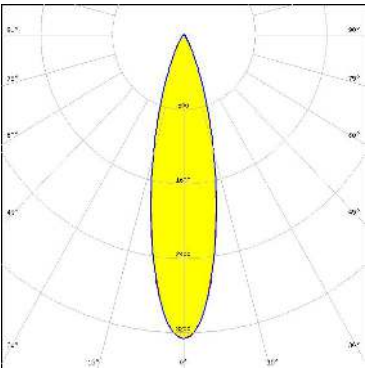


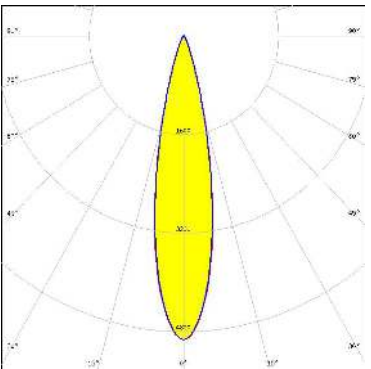
Component	Qty in box	MOQ	MPQ	Box weight (kg)
CP17783_AMY-70-M-C » Box size: 480 x 280 x 300 mm	210	210	15	8.7





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

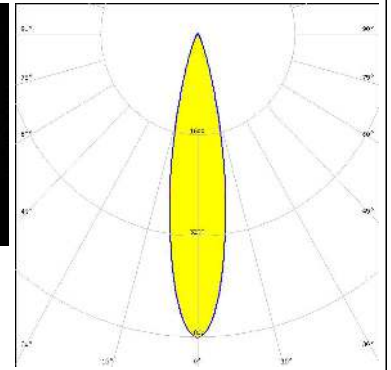
OPTICAL RESULTS (MEASURED):

<p></p> <p>LED V10 Gen 8 FWHM / FWTM 23.0° / 42.0° Efficiency 92 % Peak intensity 4.6 cd/m LEDs/each optic 1 Light colour White Required components: F15255_HEKLA-SOCKET-C</p>		
<p></p> <p>LED V11 HD Gen 8 FWHM / FWTM 23.0° / 44.0° Efficiency 90 % Peak intensity 4.3 cd/m LEDs/each optic 1 Light colour White Required components: Bender Wirth: 633d Hekla</p>		
<p></p> <p>LED V13 Gen 8 FWHM / FWTM 26.0° / 51.0° Efficiency 89 % Peak intensity 3.3 cd/m LEDs/each optic 1 Light colour White Required components: F15859_HEKLA-SOCKET-I</p>		
<p></p> <p>LED V8 Gen 8 FWHM / FWTM 22.0° / 40.0° Efficiency 93 % Peak intensity 4.9 cd/m LEDs/each optic 1 Light colour White Required components: F15253_HEKLA-SOCKET-A</p>		

OPTICAL RESULTS (MEASURED):

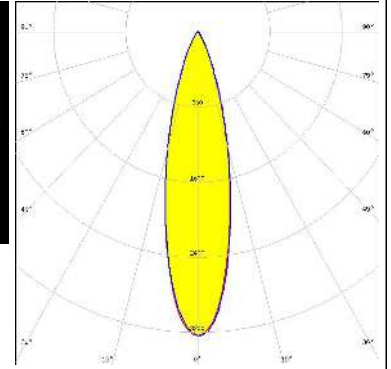
CITIZEN

LED CLL02x/CLU02x (LES10)
 FWHM / FWTM 22.0° / 41.0°
 Efficiency 90 %
 Peak intensity 4.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F17435_HEKLA-G2-C



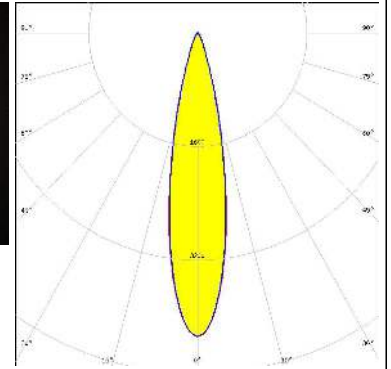
CREE LED

LED CMU15xx
 FWHM / FWTM 26.0° / 51.0°
 Efficiency 88 %
 Peak intensity 3.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F17438_HEKLA-G2-I



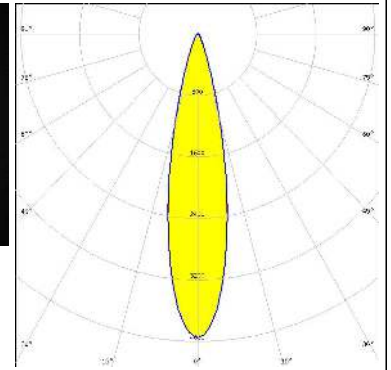
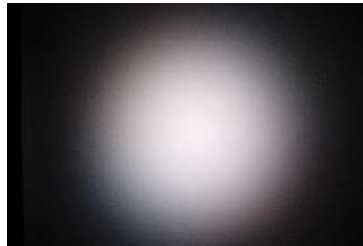
LUMILEDS

LED LUXEON Fusion 12-up (20x24)
 FWHM / FWTM 22.0° / 41.0°
 Efficiency 84 %
 Peak intensity 4.3 cd/lm
 LEDs/each optic 12
 Light colour White
 Required components:
 C16142_HEKLA-SOCKET-K
 F18158_HEKLA-RZ-LENS
 Bender Wirth: 442 Typ L8


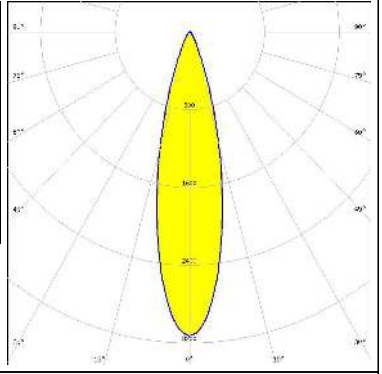

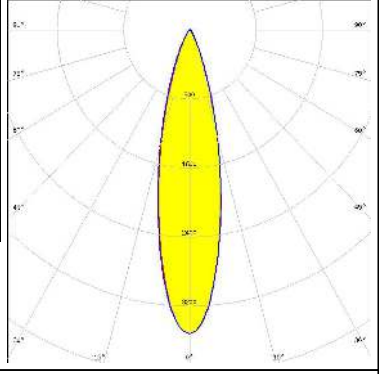
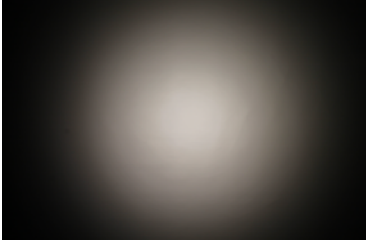
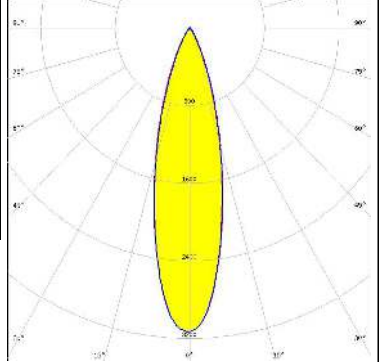


LUMILEDS


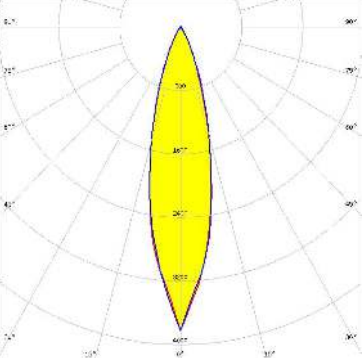

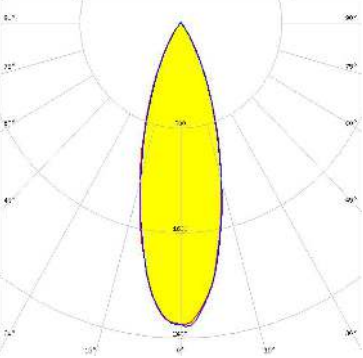

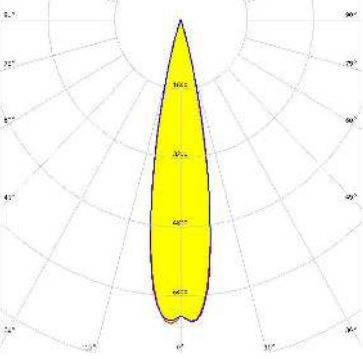

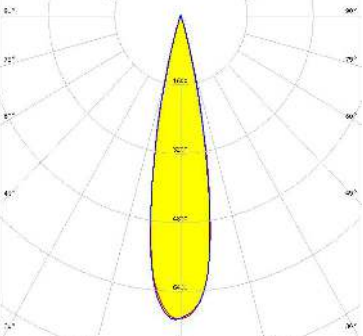
LED LUXEON Fusion 21-up (20x24)
 FWHM / FWTM 23.0° / 42.0°
 Efficiency 82 %
 Peak intensity 4 cd/lm
 LEDs/each optic 21
 Light colour White
 Required components:
 C16142_HEKLA-SOCKET-K
 F18158_HEKLA-RZ-LENS
 Bender Wirth: 442 Typ L8




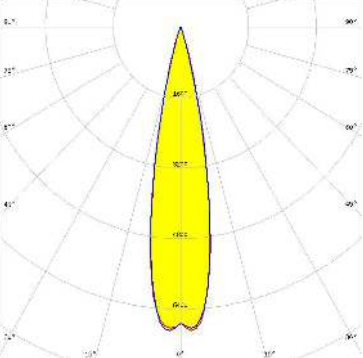

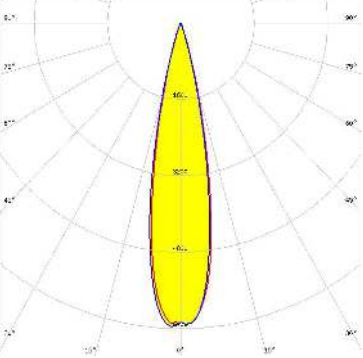

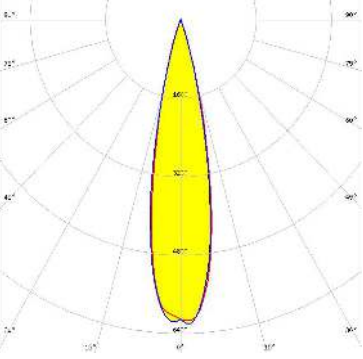

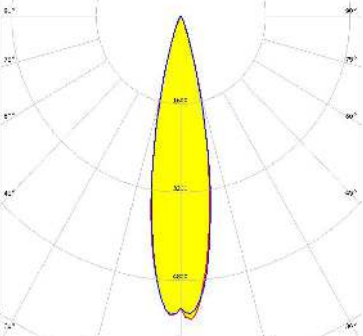
OPTICAL RESULTS (MEASURED):

<p>LUMILEDS</p> <p>LED LUXEON Fusion 27-up (20x24)</p> <p>FWHM / FWTM 26.0° / 48.0°</p> <p>Efficiency 82 %</p> <p>Peak intensity 3.1 cd/lm</p> <p>LEDs/each optic 27</p> <p>Light colour White</p> <p>Required components: C16142_HEKLA-SOCKET-K F18158_HEKLA-RZ-LENS Bender Wirth: 442 Typ L8</p>		
<p>LUMINUS</p> <p>LED CTM-14 (Tunable White) Gen2</p> <p>FWHM / FWTM 24.5° / 48.0°</p> <p>Efficiency 89 %</p> <p>Peak intensity 3.5 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour Tunable White</p> <p>Required components: C16142_HEKLA-SOCKET-K Bender Wirth: 442 Typ L8</p>		
<p>SAMSUNG</p> <p>LED LC016D / LC019D / LC026D / LC033D</p> <p>FWHM / FWTM 27.0° / 53.0°</p> <p>Efficiency 90 %</p> <p>Peak intensity 3.1 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: F15859_HEKLA-SOCKET-I</p>		


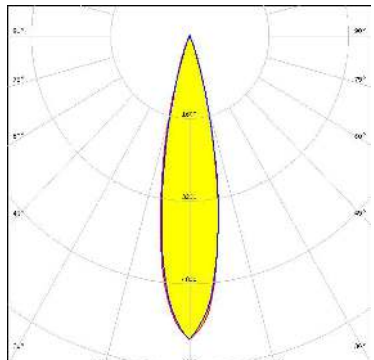

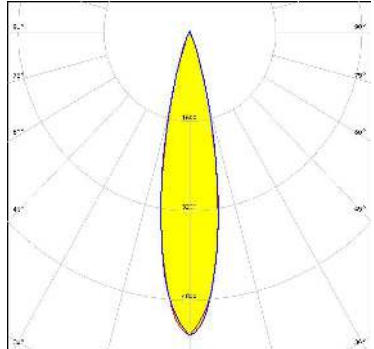

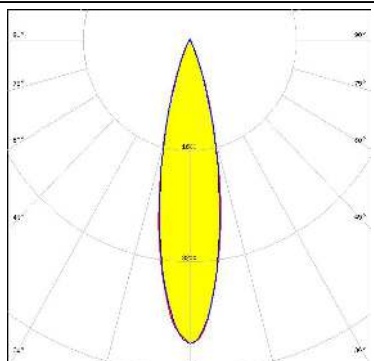

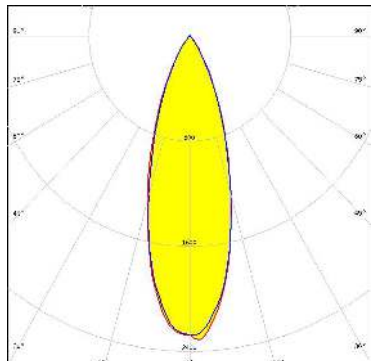
OPTICAL RESULTS (SIMULATED):

<p></p> <p>LED V13 Gen7</p> <p>FWHM / FWTM 24.0° / 51.0°</p> <p>Efficiency 92 %</p> <p>Peak intensity 3.8 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>	
<p></p> <p>LED V18 Gen 8</p> <p>FWHM / FWTM 32.0° / 62.0 + 60.0°</p> <p>Efficiency 86 %</p> <p>Peak intensity 2.4 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: Bender Wirth: 639b Hekla XL</p>	
<p></p> <p>LED V3 HD Gen 8</p> <p>FWHM / FWTM 21.0 + 22.0° / 32.0°</p> <p>Efficiency 94 %</p> <p>Peak intensity 7.1 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 V3 HD Gen 8 FC</p> <p>FWHM / FWTM 22.0 + 21.0° / 32.0°</p> <p>Efficiency 93 %</p> <p>Peak intensity 7.1 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: F15255_HEKLA-SOCKET-C</p>	


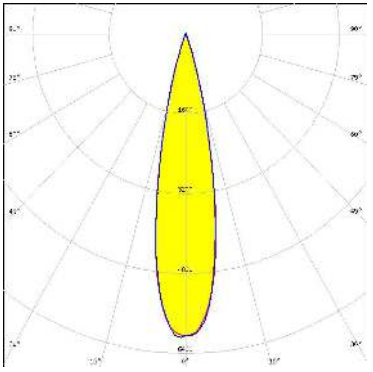

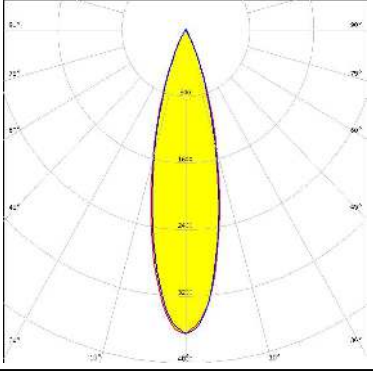

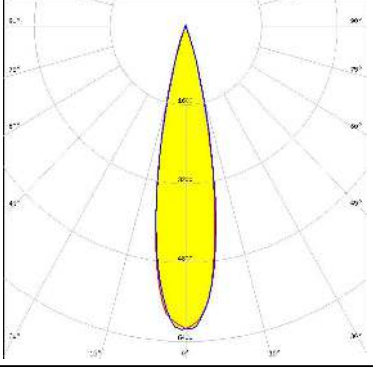

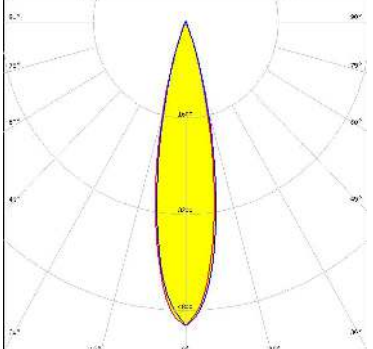
OPTICAL RESULTS (SIMULATED):

<p></p> <p>LED V4 HD Gen 8</p> <p>FWHM / FWTM 22.0° / 33.0 + 34.0°</p> <p>Efficiency 94 %</p> <p>Peak intensity 7 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 V6 Gen 8</p> <p>FWHM / FWTM 22.0° / 35.0°</p> <p>Efficiency 94 %</p> <p>Peak intensity 6.4 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 V6 HD Gen 8</p> <p>FWHM / FWTM 22.0° / 35.0 + 36.0°</p> <p>Efficiency 93 %</p> <p>Peak intensity 6.2 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 22.0° / 38.0°</p> <p>Efficiency 91 %</p> <p>Peak intensity 5.6 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: F15253_HEKLA-SOCKET-A</p>	


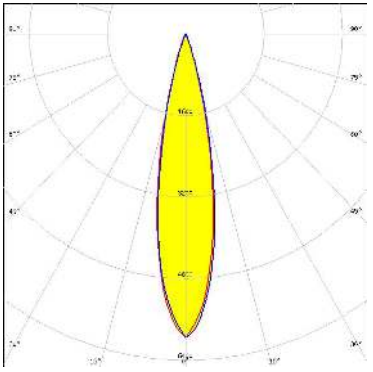

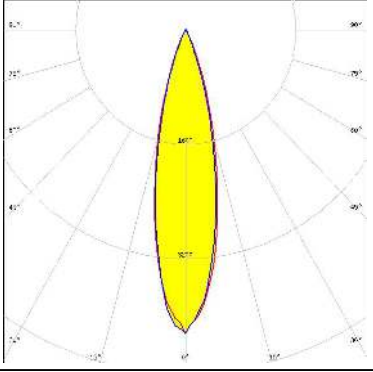

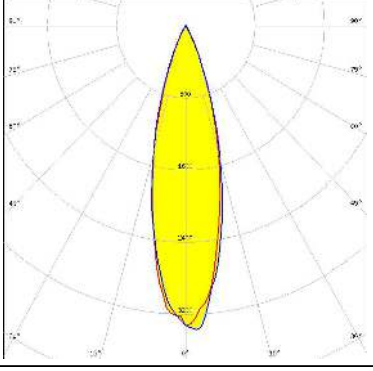

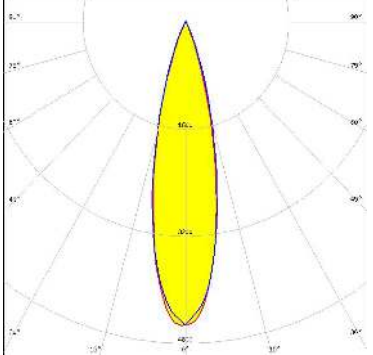
OPTICAL RESULTS (SIMULATED):

<p></p> <p>LED V9 HD Gen 8</p> <p>FWHM / FWTM 22.0° / 38.0 + 37.0°</p> <p>Efficiency 93 %</p> <p>Peak intensity 5.9 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: F15859_HEKLA-SOCKET-I</p>	
<p></p> <p>LED VERO10</p> <p>FWHM / FWTM 22.0° / 39.0°</p> <p>Efficiency 91 %</p> <p>Peak intensity 5.4 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 VERO13</p> <p>FWHM / FWTM 24.0° / 44.0°</p> <p>Efficiency 89 %</p> <p>Peak intensity 4.4 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: C16142_HEKLA-SOCKET-K</p>	
<p></p> <p>LED VERO18</p> <p>FWHM / FWTM 33.0 + 32.0° / 62.0°</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: C16142_HEKLA-SOCKET-K</p>	

OPTICAL RESULTS (SIMULATED):

<p></p> <p>LED Vesta DTW 13mm (21W) FWHM / FWTM 22.0° / 36.0° Efficiency 93 % Peak intensity 6.1 cd/lm LEDs/each optic 1 Light colour White Required components: Bender Wirth: 632b Hekla XL</p>	
<p></p> <p>LED Vesta DTW 15mm (33W) FWHM / FWTM 27.0 + 26.0° / 50.0 + 49.0° Efficiency 91 % Peak intensity 3.6 cd/lm LEDs/each optic 1 Light colour White Required components: Bender Wirth: 632b Hekla XL</p>	
<p></p> <p>LED Vesta DTW 6mm FWHM / FWTM 22.0° / 36.0° Efficiency 93 % Peak intensity 6.2 cd/lm LEDs/each optic 1 Light colour White Required components: Bender Wirth: 652b Hekla</p>	
<p></p> <p>LED Vesta DTW 9mm (4W/6W/12W) FWHM / FWTM 23.0° / 39.0° Efficiency 87 % Peak intensity 5.1 cd/lm LEDs/each optic 1 Light colour White Required components: F18158_HEKLA-RZ-LENS Bender Wirth: 652b Hekla</p>	

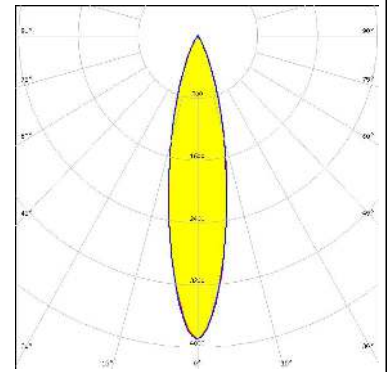
OPTICAL RESULTS (SIMULATED):

<p></p> <p>LED Vesta DTW 9mm (4W/6W/12W)</p> <p>FWHM / FWTM 22.0° / 37.0°</p> <p>Efficiency 91 %</p> <p>Peak intensity 6 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: Bender Wirth: 652b Hekla</p>	
<p></p> <p>LED Vesta TW 13mm (18W) DP</p> <p>FWHM / FWTM 24.0° / 46.0 + 44.0°</p> <p>Efficiency 90 %</p> <p>Peak intensity 4.3 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour Tunable White</p> <p>Required components: C16142_HEKLA-SOCKET-K Bender Wirth: 492 Typ L8</p>	
<p></p> <p>LED Vesta TW 15mm DP</p> <p>FWHM / FWTM 27.0° / 50.0°</p> <p>Efficiency 89 %</p> <p>Peak intensity 3.4 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour Tunable White</p> <p>Required components: C16142_HEKLA-SOCKET-K Bender Wirth: 482 Typ L8</p>	
<p></p> <p>LED Vesta TW 9mm (9W) DP</p> <p>FWHM / FWTM 24.0 + 25.0° / 43.0 + 45.0°</p> <p>Efficiency 93 %</p> <p>Peak intensity 4.6 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour Tunable White</p> <p>Required components: C16142_HEKLA-SOCKET-K Bender Wirth: 489 Typ L8</p>	

OPTICAL RESULTS (SIMULATED):

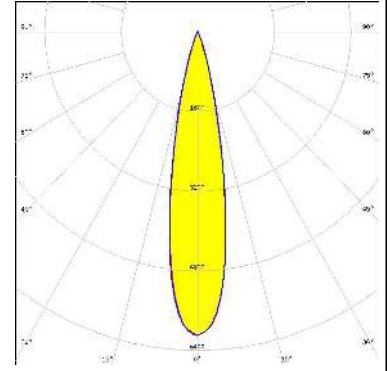
CITIZEN

LED CLL03x/CLU03x
 FWHM / FWTM 23.0 + 22.0° / 50.0 + 48.0°
 Efficiency 89 %
 Peak intensity 3.9 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15859_HEKLA-SOCKET-I



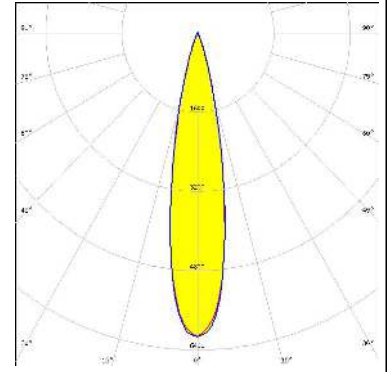
CITIZEN

LED CLU700/701/702/703
 FWHM / FWTM 21.0° / 36.0 + 37.0°
 Efficiency 93 %
 Peak intensity 6.1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15255_HEKLA-SOCKET-C



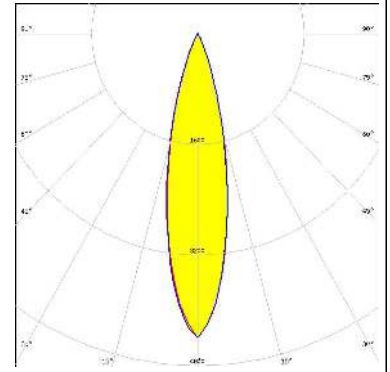
CITIZEN

LED CLU700/701/702/703
 FWHM / FWTM 20.0° / 36.0°
 Efficiency 92 %
 Peak intensity 6.1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15255_HEKLA-SOCKET-C

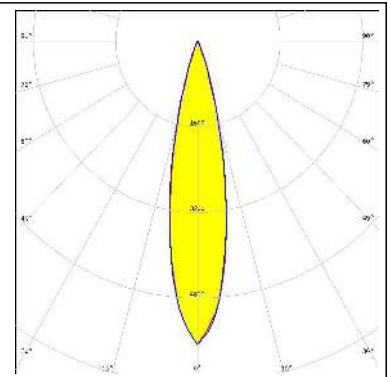
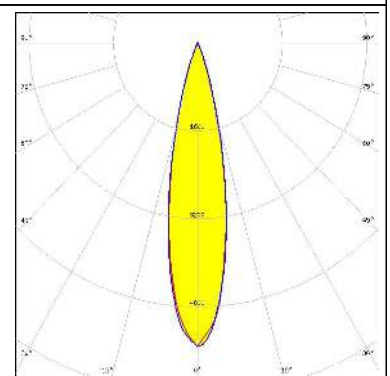
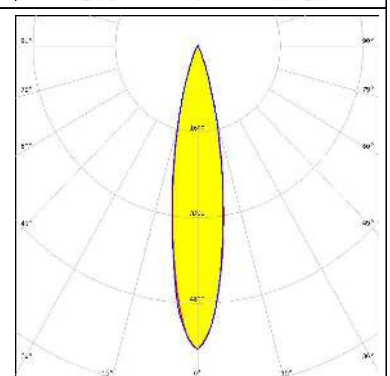
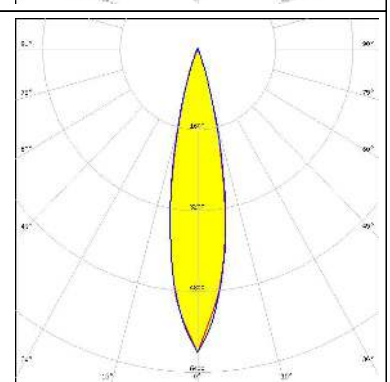


CREE LED

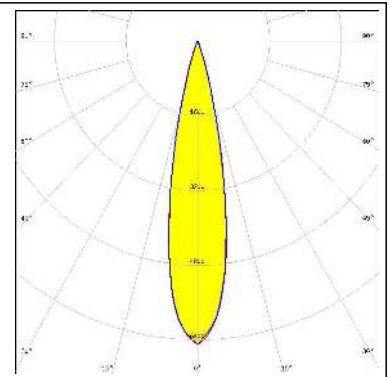
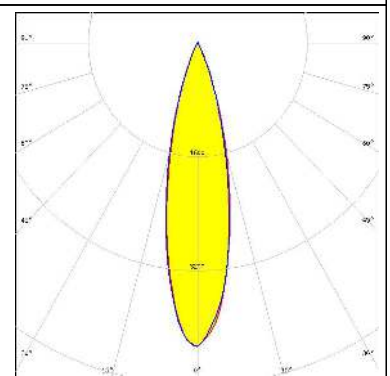
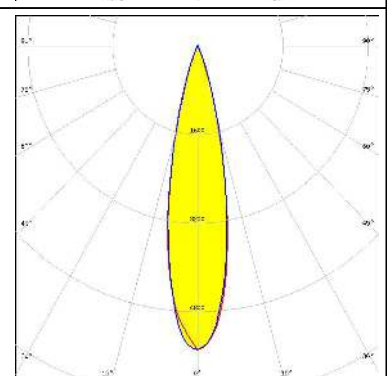
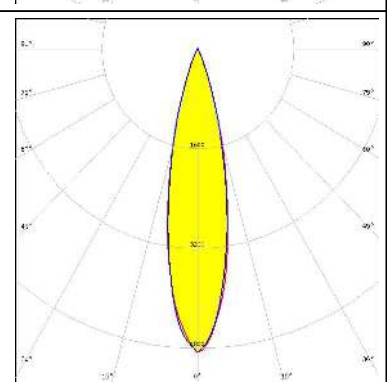
LED CMA1825
 FWHM / FWTM 24.0° / 45.0°
 Efficiency 90 %
 Peak intensity 4.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15254_HEKLA-SOCKET-B



OPTICAL RESULTS (SIMULATED):

<p>CREE LED</p> <p>LED: CMT14xx FWHM / FWTM: 22.0° / 39.0° Efficiency: 91 % Peak intensity: 5.7 cd/lm LEDs/each optic: 1 Light colour: White Required components: F17435_HEKLA-G2-C</p>	
<p>CREE LED</p> <p>LED: CMU10xx FWHM / FWTM: 22.0° / 40.0° Efficiency: 91 % Peak intensity: 5.5 cd/lm LEDs/each optic: 1 Light colour: White Required components: F17435_HEKLA-G2-C</p>	
<p>CREE LED</p> <p>LED: CXA/B 15xx FWHM / FWTM: 20.0° / 40.0° Efficiency: 91 % Peak intensity: 5.7 cd/lm LEDs/each optic: 1 Light colour: White Required components: F15256_HEKLA-SOCKET-D</p>	
<p>LUMILEDS</p> <p>LED: LUXEON CoB 1202/1203 FWHM / FWTM: 22.0° / 38.0° Efficiency: 93 % Peak intensity: 6 cd/lm LEDs/each optic: 1 Light colour: White Required components: F15858_HEKLA-SOCKET-H</p>	

OPTICAL RESULTS (SIMULATED):

<p>LUMILEDS</p> <p>LED LUXEON CoB 1202HD</p> <p>FWHM / FWTM 22.0° / 36.0°</p> <p>Efficiency 94 %</p> <p>Peak intensity 6.5 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: F15848_HEKLA-SOCKET-G</p>	
<p>LUMILEDS</p> <p>LED LUXEON CoB 1204/1205</p> <p>FWHM / FWTM 25.0 + 24.0° / 45.0 + 46.0°</p> <p>Efficiency 92 %</p> <p>Peak intensity 4.3 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: Bender Wirth: 632a Hekla XL</p>	
<p>LUMILEDS</p> <p>LED LUXEON CoB 1204HD</p> <p>FWHM / FWTM 22.0° / 40.0°</p> <p>Efficiency 93 %</p> <p>Peak intensity 5.5 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: F15858_HEKLA-SOCKET-H</p>	
<p>LUMILEDS</p> <p>LED LUXEON CoB 1205HD</p> <p>FWHM / FWTM 24.0° / 42.0°</p> <p>Efficiency 92 %</p> <p>Peak intensity 4.9 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: F15858_HEKLA-SOCKET-H</p>	

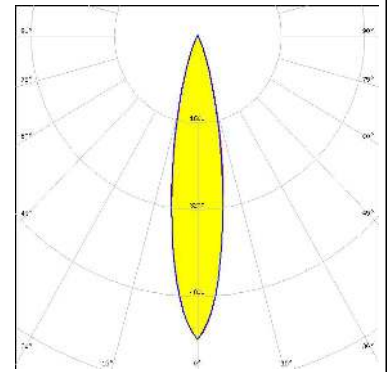
OPTICAL RESULTS (SIMULATED):

<p>LUMILEDS</p> <p>LED LUXEON CoB 1208</p> <p>FWHM / FWTM 24.0 + 25.0° / 48.0°</p> <p>Efficiency 92 %</p> <p>Peak intensity 3.9 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: Bender Wirth: 632a Hekla XL</p>	
<p>LUMILEDS</p> <p>LED LUXEON CX Plus CoB - HD S04H9</p> <p>FWHM / FWTM 22.0° / 40.0°</p> <p>Efficiency 91 %</p> <p>Peak intensity 5.4 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: F15255_HEKLA-SOCKET-C</p>	
<p>NICHIA</p> <p>LED COB L-Type (LES 11)</p> <p>FWHM / FWTM 23.0° / 43.0°</p> <p>Efficiency 90 %</p> <p>Peak intensity 4.6 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: F17437_HEKLA-G2-H</p>	
<p>PHILIPS</p> <p>LED Fortimo SLM L15 CoB</p> <p>FWHM / FWTM 26.0° / 48.0°</p> <p>Efficiency 90 %</p> <p>Peak intensity 3.8 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: Bender Wirth: 632a Hekla XL</p>	

OPTICAL RESULTS (SIMULATED):

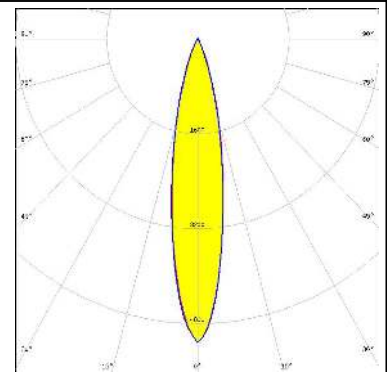
SAMSUNG

LED LC003D / LC006D / LC009D / LC013D
 FWHM / FWTM 20.0° / 40.0°
 Efficiency 92 %
 Peak intensity 5.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15255_HEKLA-SOCKET-C

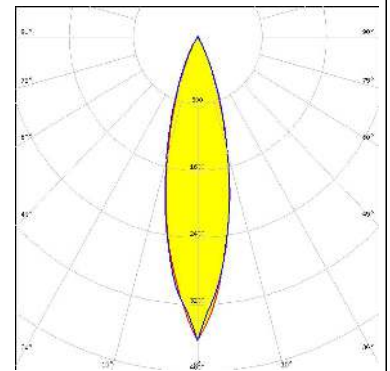


SAMSUNG

LED LC020T (Tunable white)
 FWHM / FWTM 20.0° / 42.0 + 43.0°
 Efficiency 91 %
 Peak intensity 5.1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15859_HEKLA-SOCKET-I

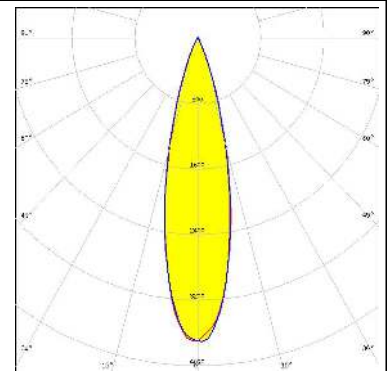


SEUL SEMICONDUCTOR
 LED MJT COB LES 14.5
 FWHM / FWTM 26.0° / 51.0°
 Efficiency 89 %
 Peak intensity 3.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F17438_HEKLA-G2-I



XICATO

LED XOB 14.5 mm
 FWHM / FWTM 26.0° / 45.0°
 Efficiency 82 %
 Peak intensity 3.8 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.

PRODUCT DATA USER AGREEMENT AND DISCLAIMER:

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.

LEDiL Oy assumes neither warranty, nor guarantee nor any other liability of any kind for the contents and correctness of the provided data. The provided data has been generated with highest diligence but the provided data may in reality not represent the complete possible variation range of all intrinsic parameters. Therefore, in certain cases a deviation from the provided data could occur.

LEDiL Oy reserves the right to undertake technical changes of its products without further notification which could lead to changes in the provided data. LEDiL Oy assumes no liability of any kind for the possible deviation from any provided data or any other damage resulting from the usage of the provided data.

The user agrees to this disclaimer and user agreement with the download or usage of the provided files.

LEDiL Oy

Joensuunkatu 13
FI-24240 SALO
Finland

LEDiL Inc.

228 West Page Street
Suite D
Sycamore IL 60178
USA

Ledil Optics Technology (Shenzhen) Co., Ltd.

405 , Block B
Casic Motor Building
Shenzhen 518057
P.R.CHINA

Local sales and technical support

[www.ledil.com/
where_to_buy](http://www.ledil.com/where_to_buy)

Shipping locations

Salo, Finland
Hong Kong, China

Distribution Partners

[www.ledil.com/
where_to_buy](http://www.ledil.com/where_to_buy)