

## 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 ⓘ

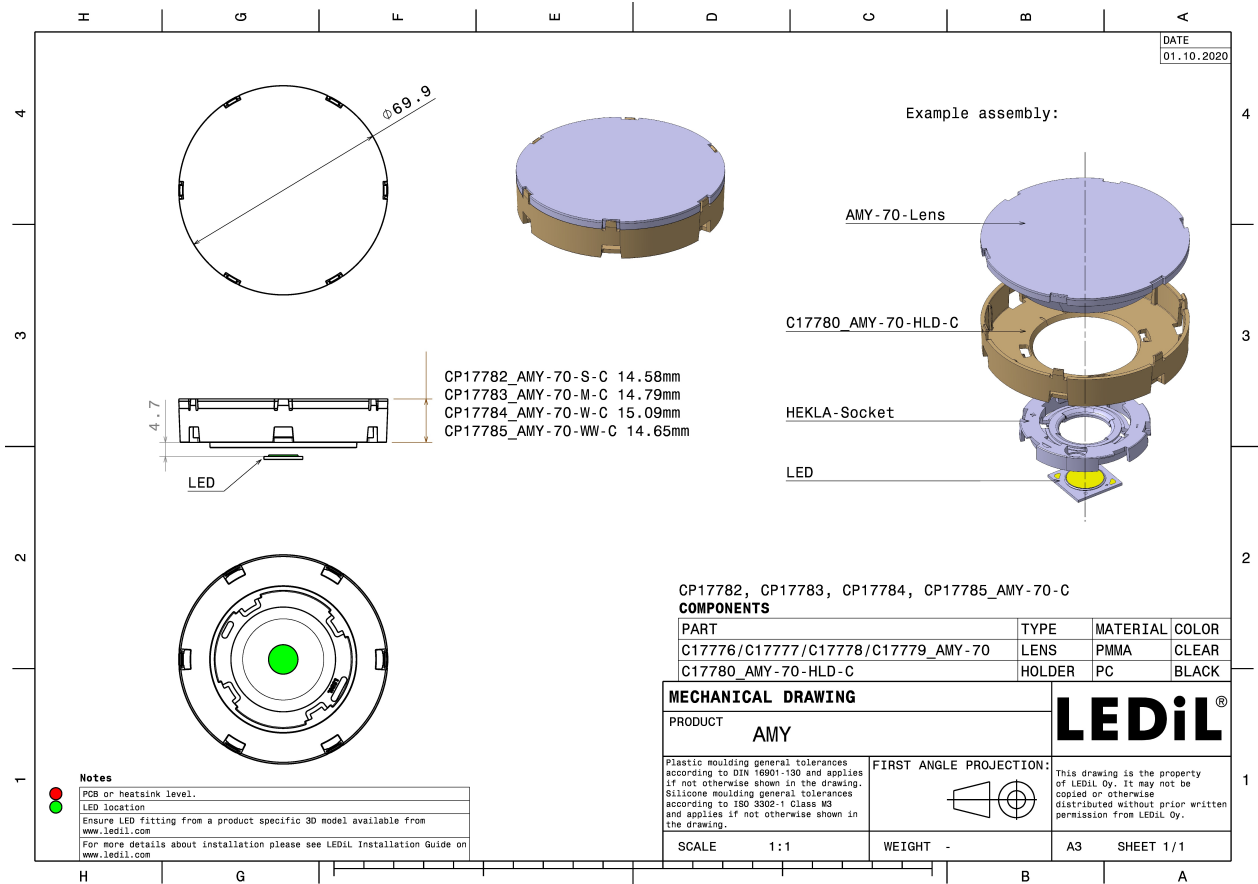


### MATERIALS:

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

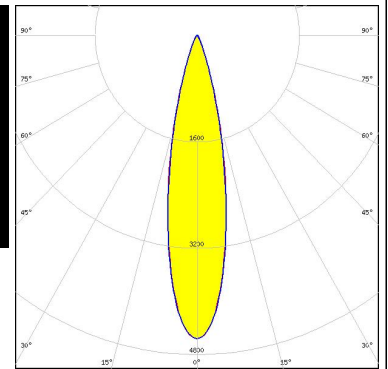


See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)

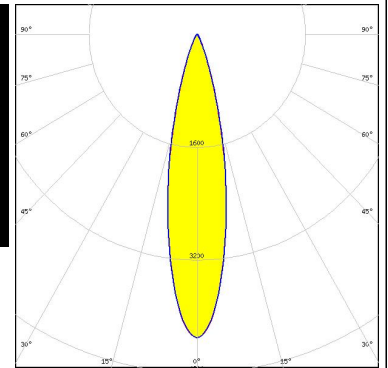
#### OPTICAL RESULTS (MEASURED):



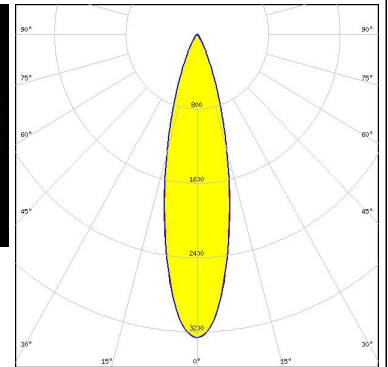
LED V10 Gen 8  
FWHM / FWTM 23.0° / 42.0°  
Efficiency 92 %  
Peak intensity 4.6 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
F15255\_HEKLA-SOCKET-C



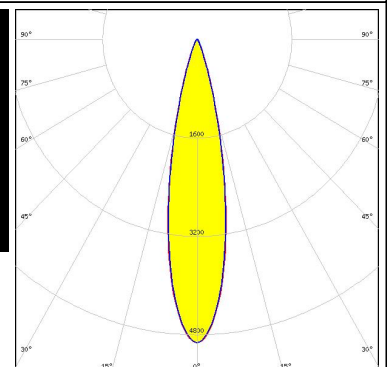
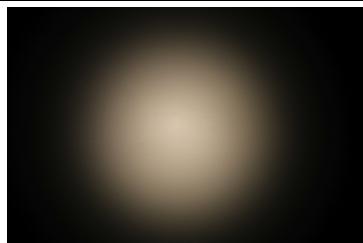
LED V11 HD Gen 8  
FWHM / FWTM 23.0° / 44.0°  
Efficiency 90 %  
Peak intensity 4.3 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
Bender Wirth: 633d Hekla



LED V13 Gen 8  
FWHM / FWTM 26.0° / 51.0°  
Efficiency 89 %  
Peak intensity 3.3 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
F15859\_HEKLA-SOCKET-I



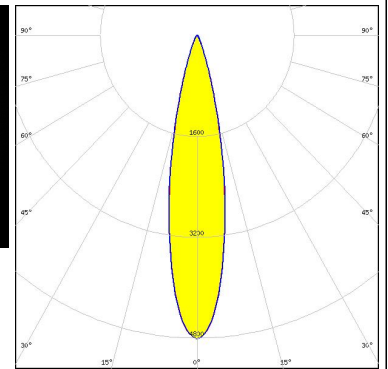
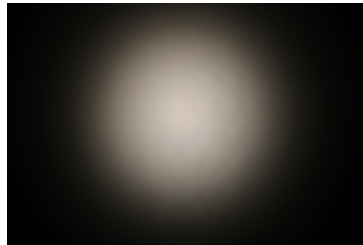
LED V8 Gen 8  
FWHM / FWTM 22.0° / 40.0°  
Efficiency 93 %  
Peak intensity 4.9 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
F15253\_HEKLA-SOCKET-A



#### OPTICAL RESULTS (MEASURED):

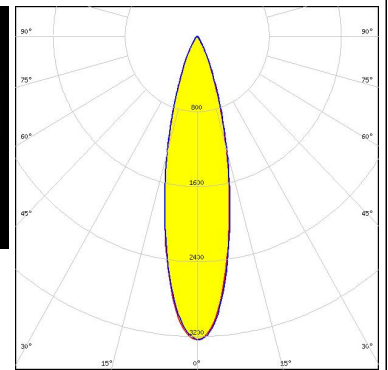
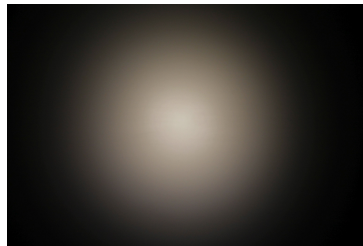
#### CITIZEN

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



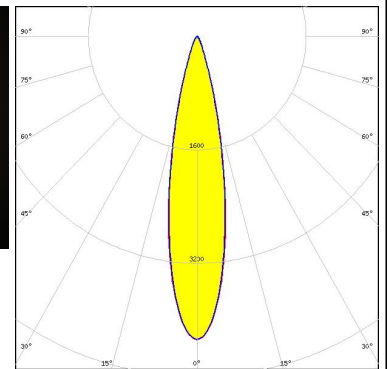
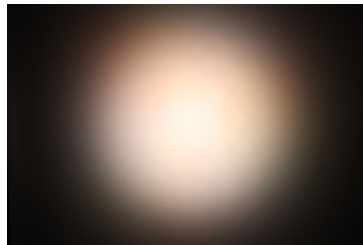
#### CREE LED

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



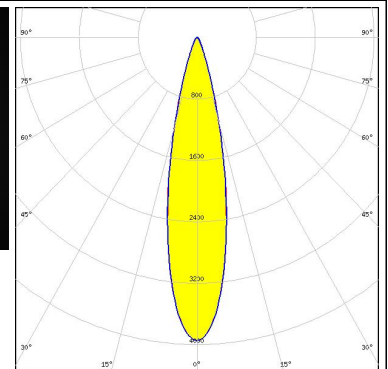
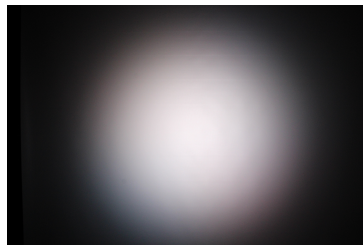
#### LUMILEDS

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

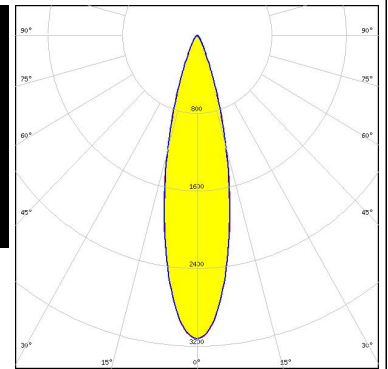




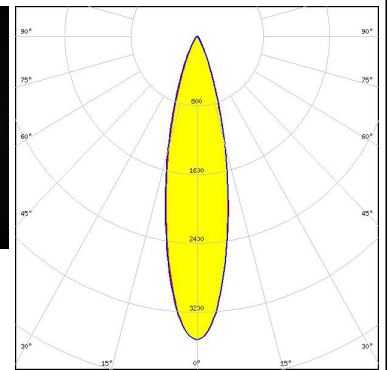
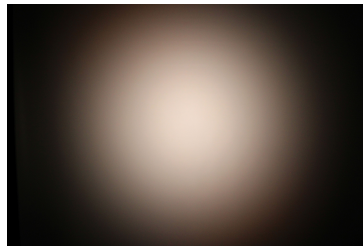
#### OPTICAL RESULTS (MEASURED):



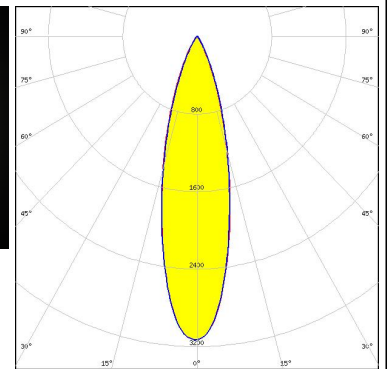
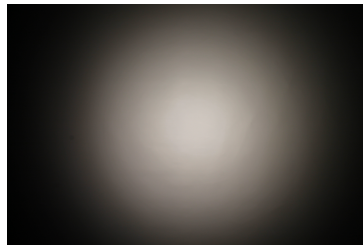
LED LUXEON Fusion 27-up (20x24)  
 FWHM / FWTM 26.0° / 48.0°  
 Efficiency 82 %  
 Peak intensity 3.1 cd/lm  
 LEDs/each optic 27  
 Light colour White  
 Required components:  
 C16142\_HEKLA-SOCKET-K  
 F18158\_HEKLA-RZ-LENS  
 Bender Wirth: 442 Typ L8



LED CTM-14 (Tunable White) Gen2  
 FWHM / FWTM 24.5° / 48.0°  
 Efficiency 89 %  
 Peak intensity 3.5 cd/lm  
 LEDs/each optic 1  
 Light colour Tunable White  
 Required components:  
 C16142\_HEKLA-SOCKET-K  
 Bender Wirth: 442 Typ L8



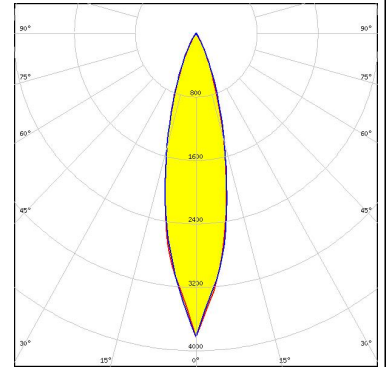
LED LC016D / LC019D / LC026D / LC033D  
 FWHM / FWTM 27.0° / 53.0°  
 Efficiency 90 %  
 Peak intensity 3.1 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F15859\_HEKLA-SOCKET-I



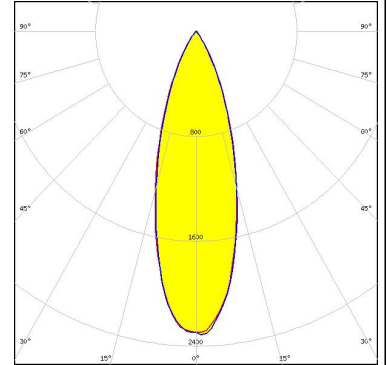
### OPTICAL RESULTS (SIMULATED):



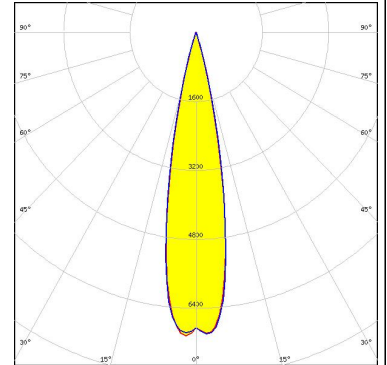
LED V13 Gen7  
FWHM / FWTM 24.0° / 51.0°  
Efficiency 92 %  
Peak intensity 3.8 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



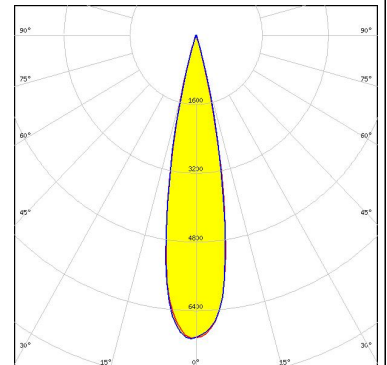
LED V18 Gen 8  
FWHM / FWTM 32.0° / 62.0° + 60.0°  
Efficiency 86 %  
Peak intensity 2.4 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
Bender Wirth: 639b Hekla XL



LED V3 HD Gen 8  
FWHM / FWTM 21.0° + 22.0° / 32.0°  
Efficiency 94 %  
Peak intensity 7.1 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
F15253\_HEKLA-SOCKET-A



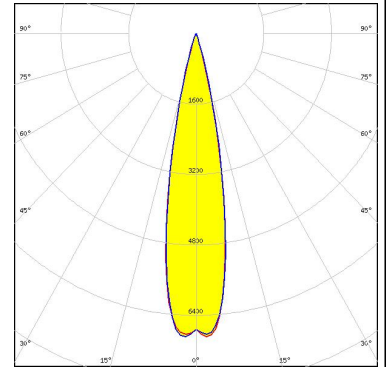
LED V3 HD Gen 8 FC  
FWHM / FWTM 22.0° + 21.0° / 32.0°  
Efficiency 93 %  
Peak intensity 7.1 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
F15255\_HEKLA-SOCKET-C



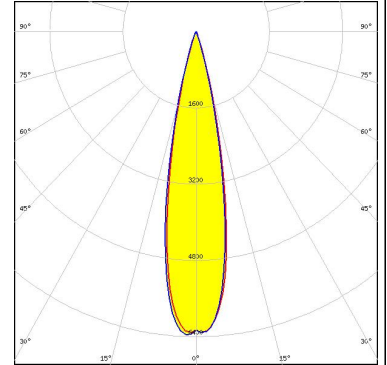
#### OPTICAL RESULTS (SIMULATED):



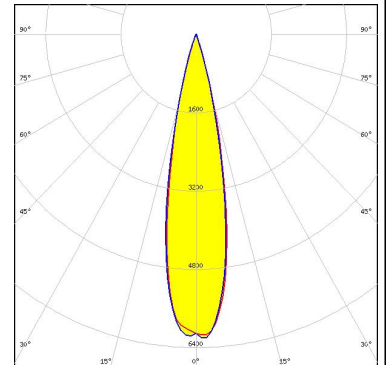
LED V4 HD Gen 8  
FWHM / FWTM 22.0° / 33.0 + 34.0°  
Efficiency 94 %  
Peak intensity 7 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
F15253\_HEKLA-SOCKET-A



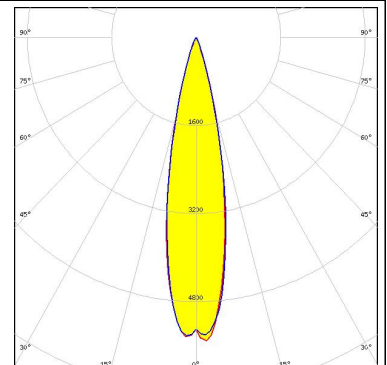
LED V6 Gen 8  
FWHM / FWTM 22.0° / 35.0°  
Efficiency 94 %  
Peak intensity 6.4 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
F15253\_HEKLA-SOCKET-A



LED V6 HD Gen 8  
FWHM / FWTM 22.0° / 35.0 + 36.0°  
Efficiency 93 %  
Peak intensity 6.2 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
F15255\_HEKLA-SOCKET-C



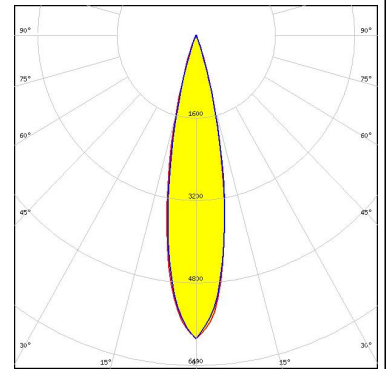
LED V8 Gen7  
FWHM / FWTM 22.0° / 38.0°  
Efficiency 91 %  
Peak intensity 5.6 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
F15253\_HEKLA-SOCKET-A



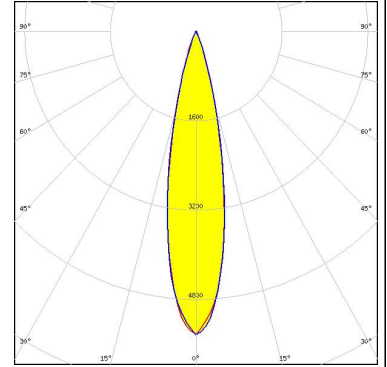
#### OPTICAL RESULTS (SIMULATED):



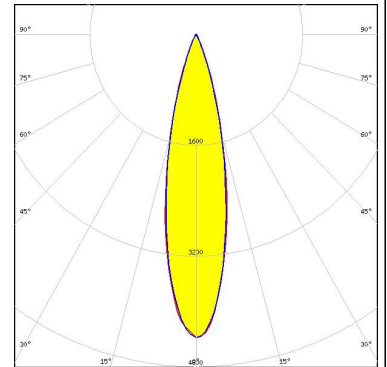
LED V9 HD Gen 8  
FWHM / FWTM 22.0° / 38.0 + 37.0°  
Efficiency 93 %  
Peak intensity 5.9 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
F15859\_HEKLA-SOCKET-I



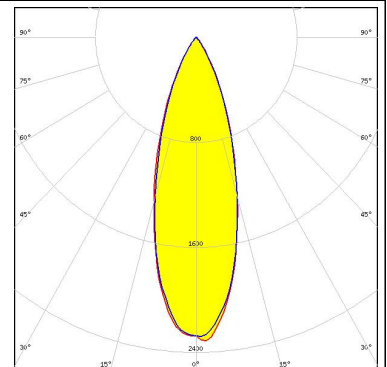
LED VERO10  
FWHM / FWTM 22.0° / 39.0°  
Efficiency 91 %  
Peak intensity 5.4 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
F15616\_HEKLA-SOCKET-F



LED VERO13  
FWHM / FWTM 24.0° / 44.0°  
Efficiency 89 %  
Peak intensity 4.4 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C16142\_HEKLA-SOCKET-K



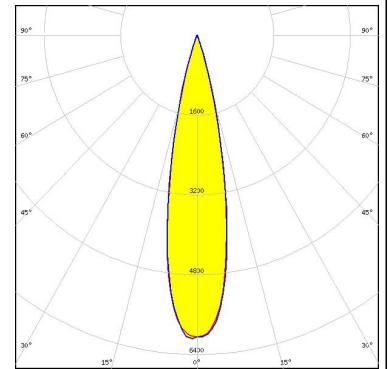
LED VERO18  
FWHM / FWTM 33.0 + 32.0° / 62.0°  
Efficiency 90 %  
Peak intensity 2.3 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C16142\_HEKLA-SOCKET-K



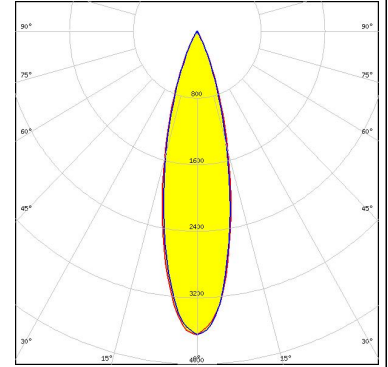
### OPTICAL RESULTS (SIMULATED):



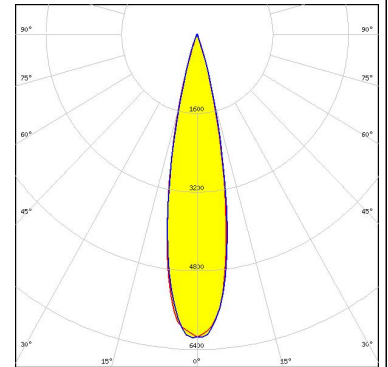
LED Vesta DTW 13mm (21W)  
FWHM / FWTM 22.0° / 36.0°  
Efficiency 93 %  
Peak intensity 6.1 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
Bender Wirth: 632b Hekla XL



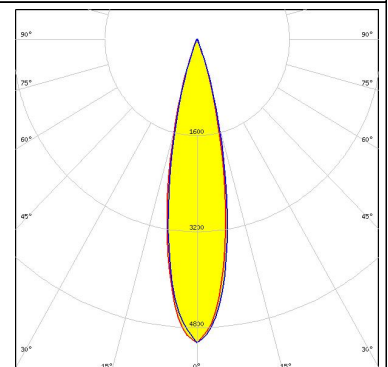
LED Vesta DTW 15mm (33W)  
FWHM / FWTM 27.0 + 26.0° / 50.0 + 49.0°  
Efficiency 91 %  
Peak intensity 3.6 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
Bender Wirth: 632b Hekla XL



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



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

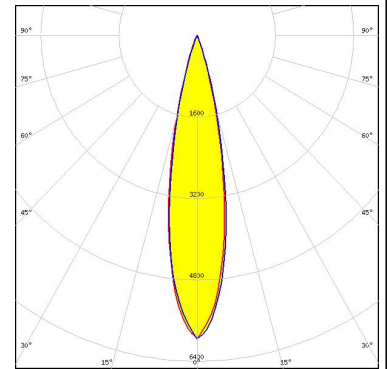




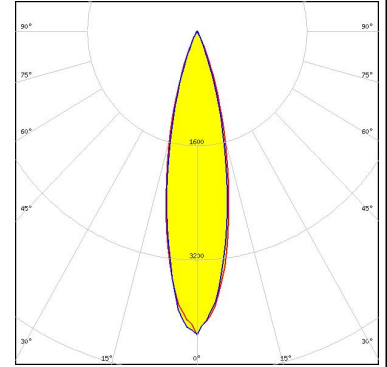
#### OPTICAL RESULTS (SIMULATED):



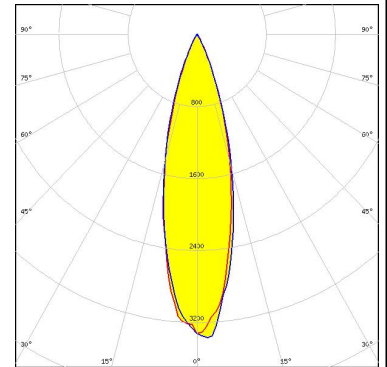
LED Vesta DTW 9mm (4W/6W/12W)  
 FWHM / FWTM 22.0° / 37.0°  
 Efficiency 91 %  
 Peak intensity 6 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 Bender Wirth: 652b Hekla



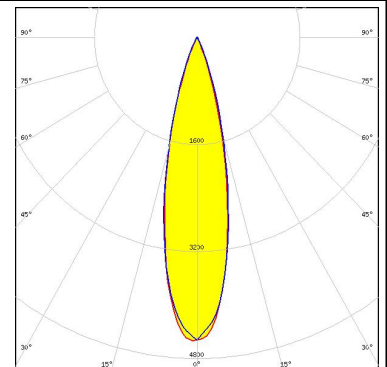
LED Vesta TW 13mm (18W) DP  
 FWHM / FWTM 24.0° / 46.0 + 44.0°  
 Efficiency 90 %  
 Peak intensity 4.3 cd/lm  
 LEDs/each optic 1  
 Light colour Tunable White  
 Required components:  
 C16142\_HEKLA-SOCKET-K  
 Bender Wirth: 492 Typ L8



LED Vesta TW 15mm DP  
 FWHM / FWTM 27.0° / 50.0°  
 Efficiency 89 %  
 Peak intensity 3.4 cd/lm  
 LEDs/each optic 1  
 Light colour Tunable White  
 Required components:  
 C16142\_HEKLA-SOCKET-K  
 Bender Wirth: 482 Typ L8



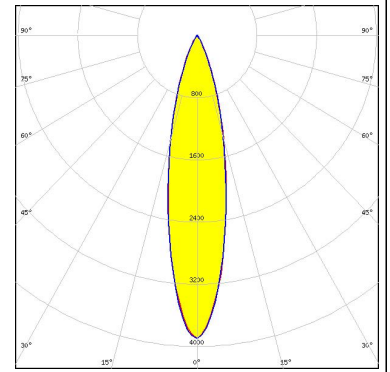
LED Vesta TW 9mm (9W) DP  
 FWHM / FWTM 24.0 + 25.0° / 43.0 + 45.0°  
 Efficiency 93 %  
 Peak intensity 4.6 cd/lm  
 LEDs/each optic 1  
 Light colour Tunable White  
 Required components:  
 C16142\_HEKLA-SOCKET-K  
 Bender Wirth: 489 Typ L8



#### OPTICAL RESULTS (SIMULATED):

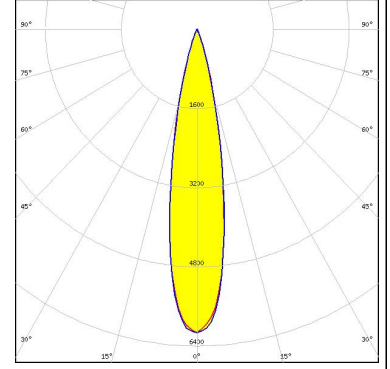
#### CITIZEN

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



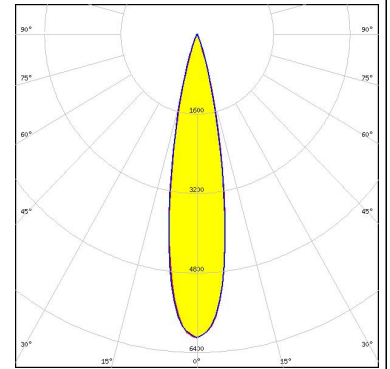
#### CITIZEN

LED CLU700/701/702/703  
FWHM / FWTM 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



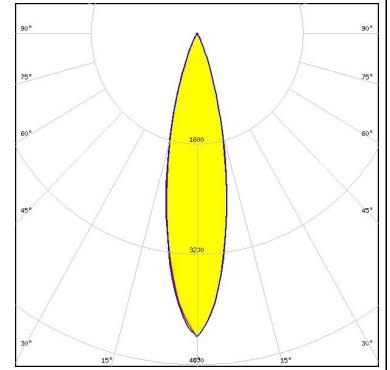
#### CITIZEN

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



#### CREE LED

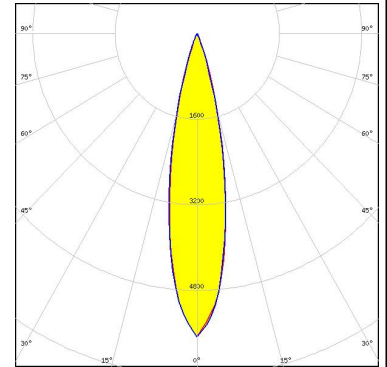
LED CMA1825  
FWHM / FWTM 24.0° / 45.0°  
Efficiency 90 %  
Peak intensity 4.4 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
F15254\_HEKLA-SOCKET-B



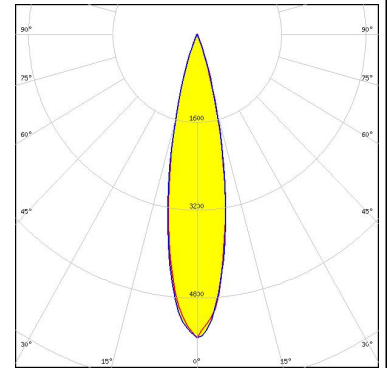
### OPTICAL RESULTS (SIMULATED):



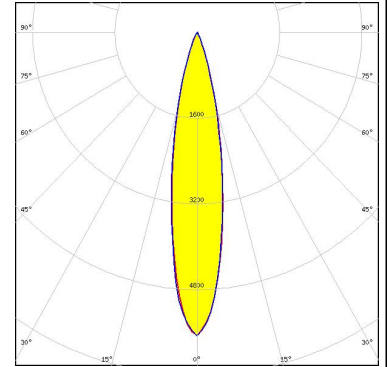
LED CMT14xx  
FWHM / FWTM 22.0° / 39.0°  
Efficiency 91 %  
Peak intensity 5.7 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
F17435\_HEKLA-G2-C



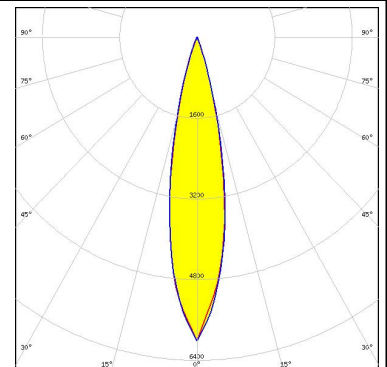
LED CMU10xx  
FWHM / FWTM 22.0° / 40.0°  
Efficiency 91 %  
Peak intensity 5.5 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
F17435\_HEKLA-G2-C



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



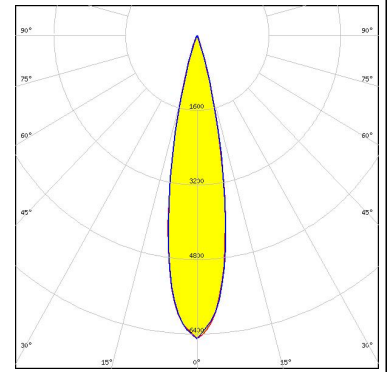
LED LUXEON CoB 1202/1203  
FWHM / FWTM 22.0° / 38.0°  
Efficiency 93 %  
Peak intensity 6 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
F15858\_HEKLA-SOCKET-H



### OPTICAL RESULTS (SIMULATED):

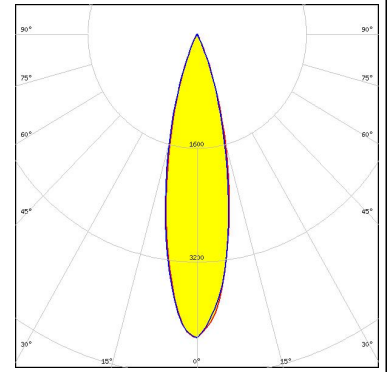
#### LUMILEDS

LED LUXEON CoB 1202HD  
 FWHM / FWTM 22.0° / 36.0°  
 Efficiency 94 %  
 Peak intensity 6.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F15848\_HEKLA-SOCKET-G



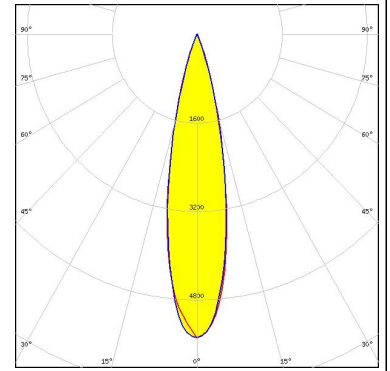
#### LUMILEDS

LED LUXEON CoB 1204/1205  
 FWHM / FWTM 25.0 + 24.0° / 45.0 + 46.0°  
 Efficiency 92 %  
 Peak intensity 4.3 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 Bender Wirth: 632a Hekla XL



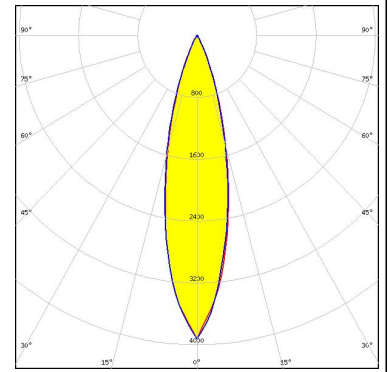
#### LUMILEDS

LED LUXEON CoB 1204HD  
 FWHM / FWTM 22.0° / 40.0°  
 Efficiency 93 %  
 Peak intensity 5.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F15858\_HEKLA-SOCKET-H



#### LUMILEDS

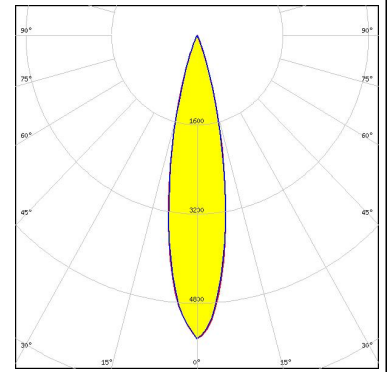
LED LUXEON CoB 1208  
 FWHM / FWTM 24.0 + 25.0° / 48.0°  
 Efficiency 92 %  
 Peak intensity 3.9 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 Bender Wirth: 632a Hekla XL



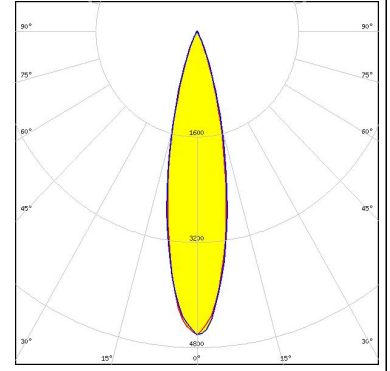
#### OPTICAL RESULTS (SIMULATED):



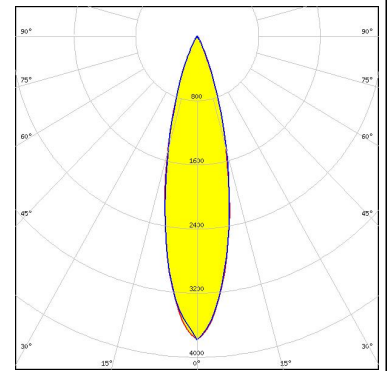
LED LUXEON CX Plus CoB - HD S04H9  
 FWHM / FWTM 22.0° / 40.0°  
 Efficiency 91 %  
 Peak intensity 5.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F15255\_HEKLA-SOCKET-C



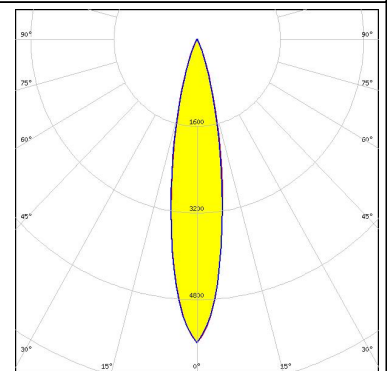
LED COB L-Type (LES 11)  
 FWHM / FWTM 23.0° / 43.0°  
 Efficiency 90 %  
 Peak intensity 4.6 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F17437\_HEKLA-G2-H



LED Fortimo SLM L15 CoB  
 FWHM / FWTM 26.0° / 48.0°  
 Efficiency 90 %  
 Peak intensity 3.8 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 Bender Wirth: 632a Hekla XL



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

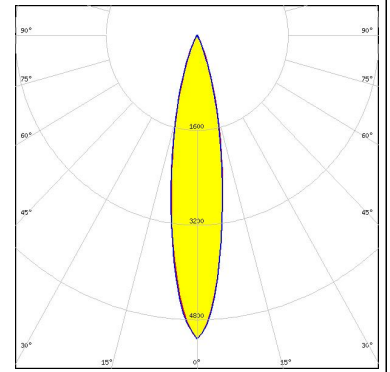




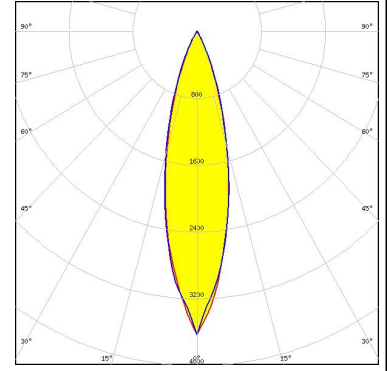
### OPTICAL RESULTS (SIMULATED):

#### 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

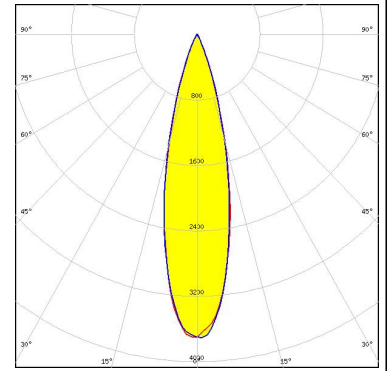


LED MJT COB LES 14.5  
 FWHM / FWTM 26.0° / 51.0°  
 Efficiency 89 %  
 Peak intensity 3.6 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F17438\_HEKLA-G2-I



#### 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.

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