

## AMY-50-M-C

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

## SPECIFICATION:

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

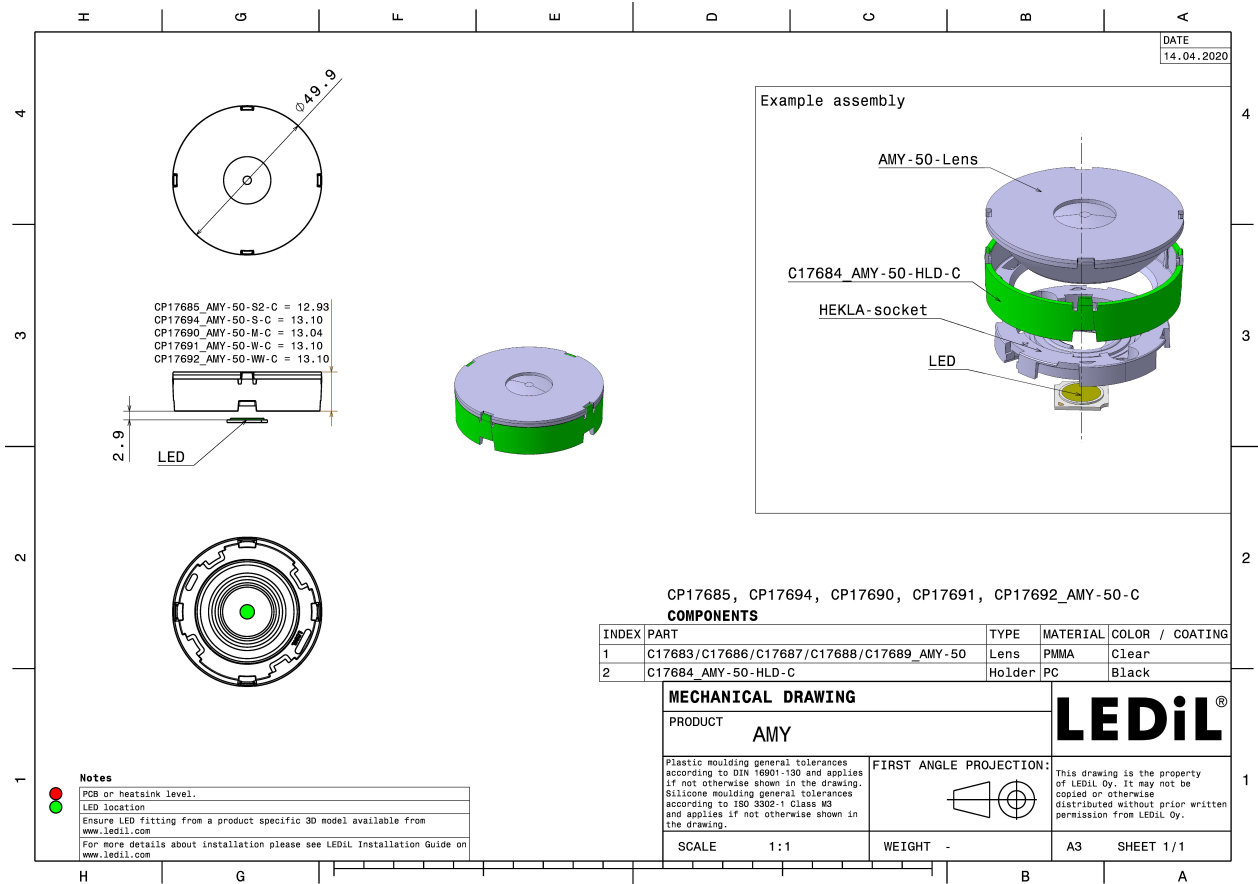
## MATERIALS:

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



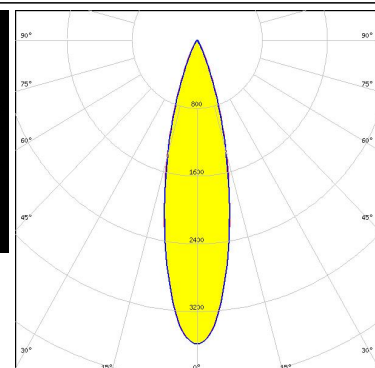
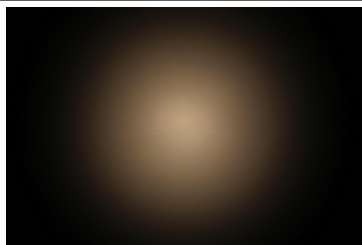
See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)



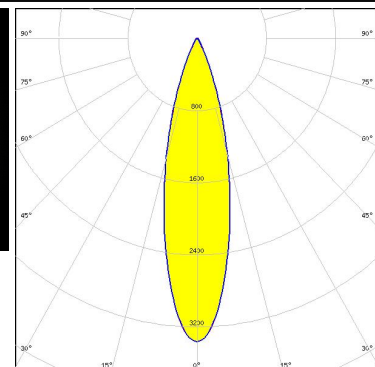
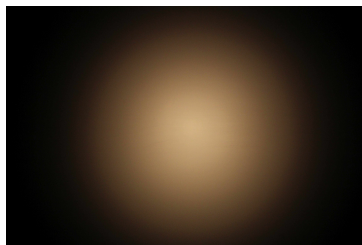
#### OPTICAL RESULTS (MEASURED):



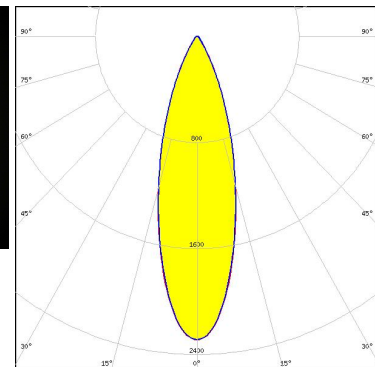
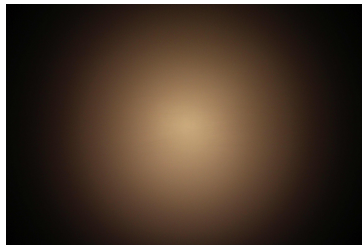
LED V10 Gen 8  
FWHM / FWTM 26.0° / 48.0°  
Efficiency 91 %  
Peak intensity 3.6 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
F15255\_HEKLA-SOCKET-C



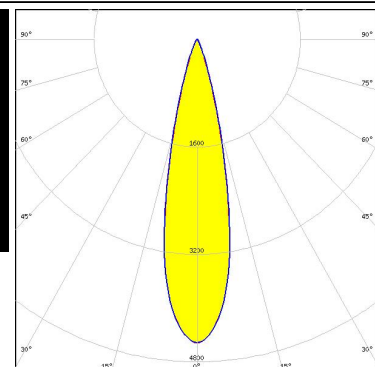
LED V11 HD Gen 8  
FWHM / FWTM 26.0° / 50.0°  
Efficiency 91 %  
Peak intensity 3.4 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
Bender Wirth: 633d Hekla



LED V13 Gen 8  
FWHM / FWTM 31.0° / 60.0°  
Efficiency 88 %  
Peak intensity 2.3 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
F15859\_HEKLA-SOCKET-I



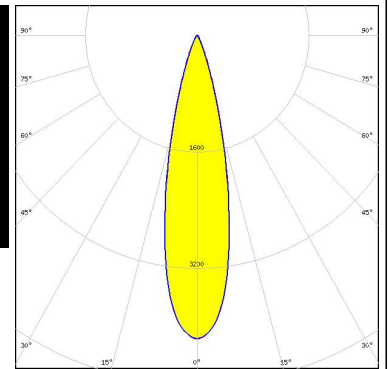
LED V4 HD Gen 7  
FWHM / FWTM 24.0° / 41.0°  
Efficiency 93 %  
Peak intensity 4.5 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
F15253\_HEKLA-SOCKET-A



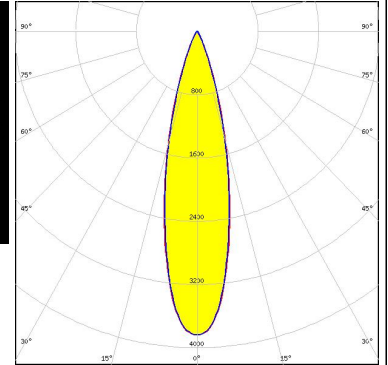
#### OPTICAL RESULTS (MEASURED):



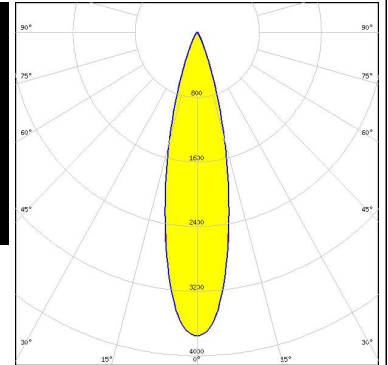
LED V6 HD Gen 7  
FWHM / FWTM 24.0° / 43.0°  
Efficiency 91 %  
Peak intensity 4.2 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
F15255\_HEKLA-SOCKET-C



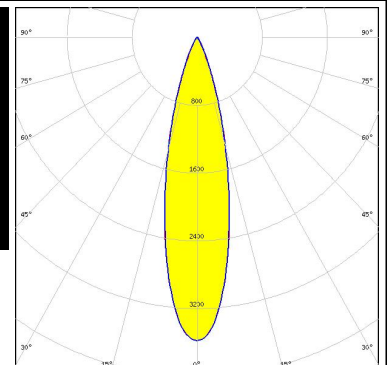
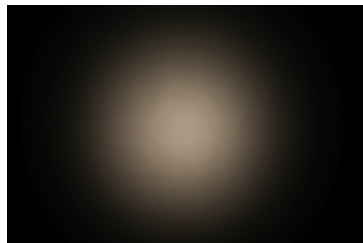
LED V8 Gen 8  
FWHM / FWTM 25.0° / 46.0°  
Efficiency 92 %  
Peak intensity 3.8 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
F15253\_HEKLA-SOCKET-A



LED V9 HD Gen7  
FWHM / FWTM 25.0° / 46.0°  
Efficiency 90 %  
Peak intensity 3.8 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
F15859\_HEKLA-SOCKET-I



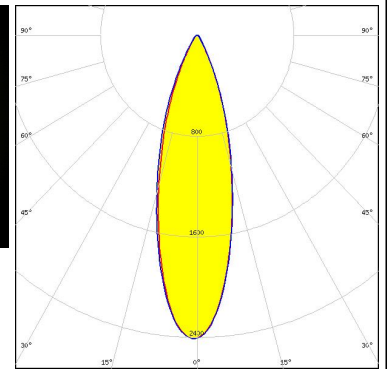
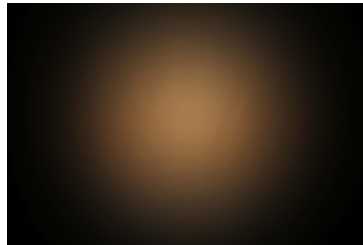
LED VERO10  
FWHM / FWTM 25.0° / 47.0°  
Efficiency 90 %  
Peak intensity 3.6 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
F15616\_HEKLA-SOCKET-F



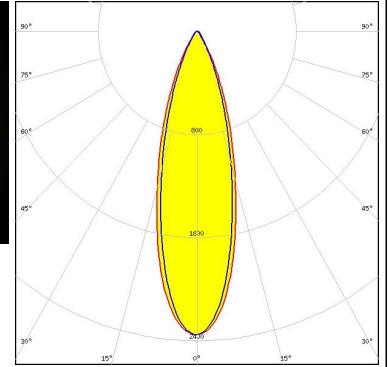
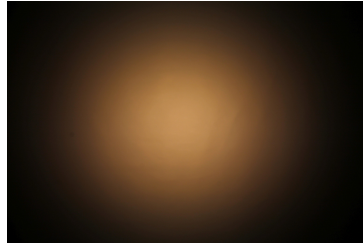
#### OPTICAL RESULTS (MEASURED):



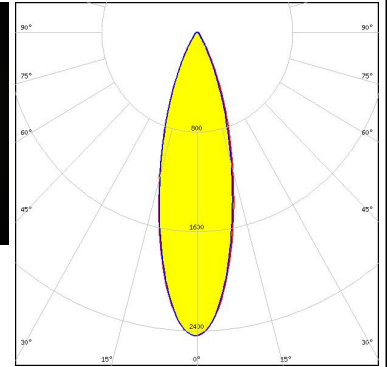
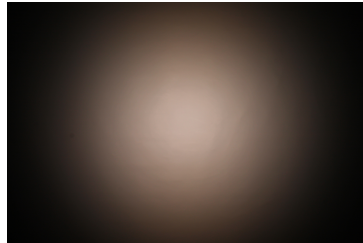
LED Vesta DTW 13mm (21W)  
 FWHM / FWTM 30.0° / 57.0°  
 Efficiency 86 %  
 Peak intensity 2.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C16142\_HEKLA-SOCKET-K  
 Bender Wirth: 491 Typ L8



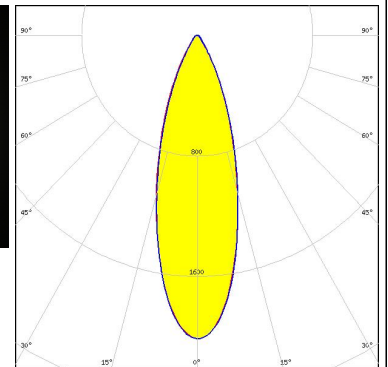
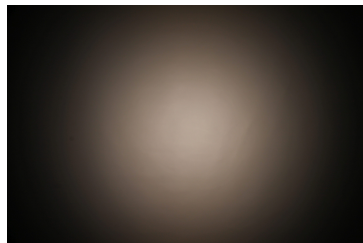
LED Vesta DTW 15mm (33W)  
 FWHM / FWTM 29.0° / 58.0°  
 Efficiency 86 %  
 Peak intensity 2.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C16142\_HEKLA-SOCKET-K  
 Bender Wirth: 491 Typ L8



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



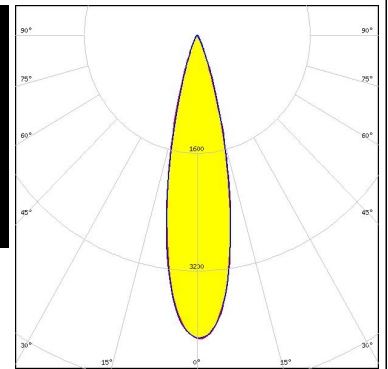
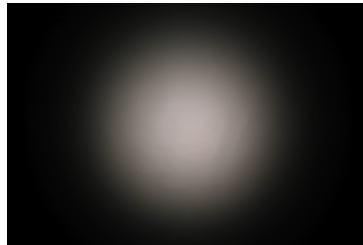
LED Vesta TW 15mm DP  
 FWHM / FWTM 32.0° / 63.0°  
 Efficiency 86 %  
 Peak intensity 2 cd/lm  
 LEDs/each optic 1  
 Light colour Tunable White  
 Required components:  
 C16142\_HEKLA-SOCKET-K  
 Bender Wirth: 482 Typ L8



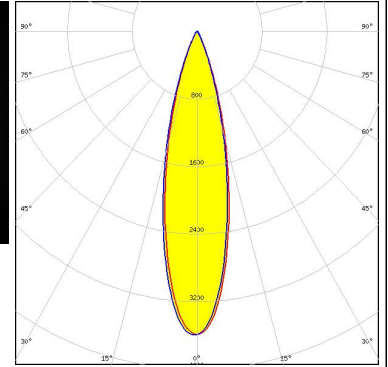
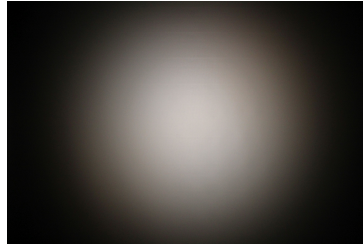
#### OPTICAL RESULTS (MEASURED):



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  
 Required components:  
 C16142\_HEKLA-SOCKET-K  
 Bender Wirth: 504 Typ L8

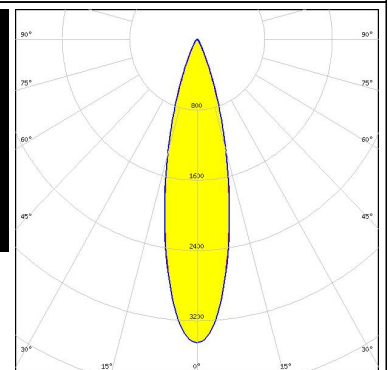
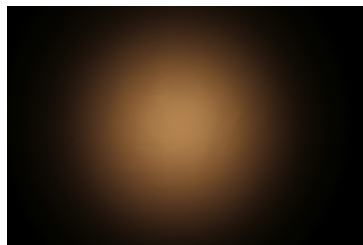


LED Vesta TW 9mm (9W) DP  
 FWHM / FWTM 25.0° / 47.0°  
 Efficiency 89 %  
 Peak intensity 3.6 cd/lm  
 LEDs/each optic 1  
 Light colour Tunable White  
 Required components:  
 C16142\_HEKLA-SOCKET-K  
 Bender Wirth: 489 Typ L8



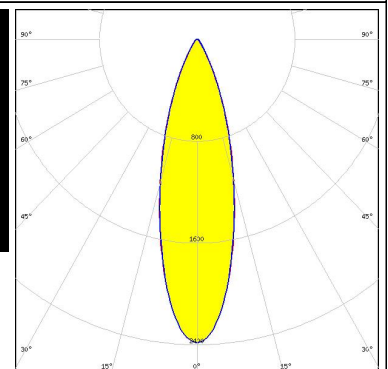
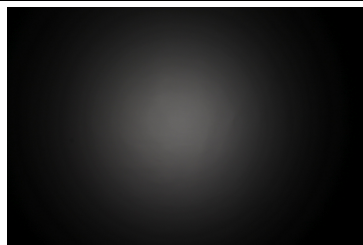
#### CITIZEN

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  
 Required components:  
 F17435\_HEKLA-G2-C



#### 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

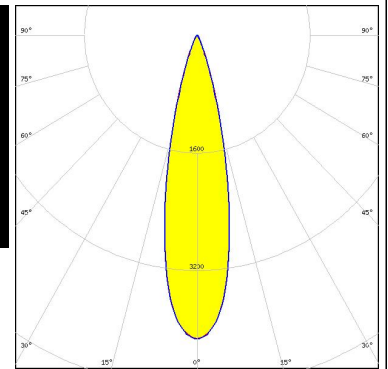




#### OPTICAL RESULTS (MEASURED):

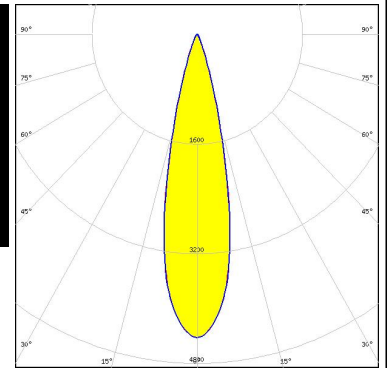
#### CITIZEN

LED CLU700/701/702/703  
 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



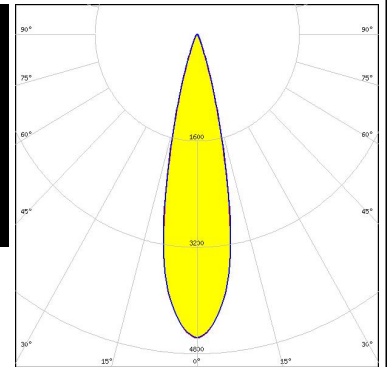
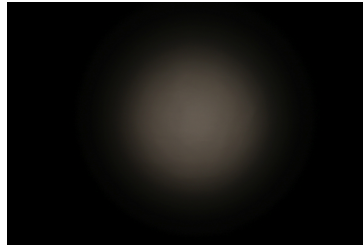
#### CITIZEN

LED CLU7A2/7A3  
 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



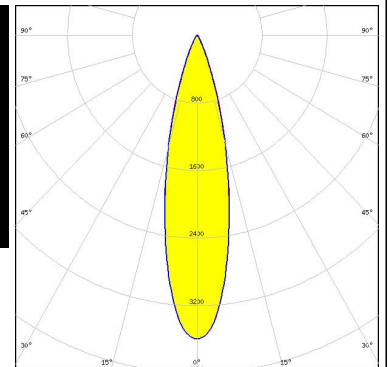
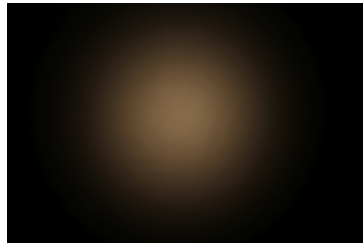
#### CITIZEN

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



#### CREE LED

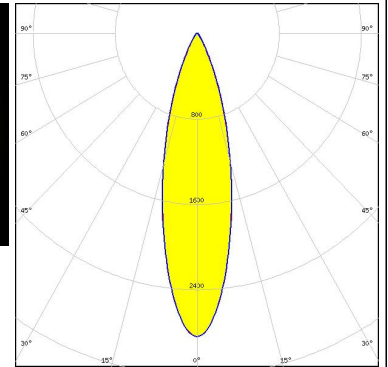
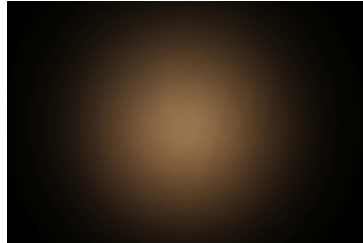
LED CMA1516  
 FWHM / FWTM 25.0° / 47.0°  
 Efficiency 90 %  
 Peak intensity 3.6 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F17436\_HEKLA-G2-D



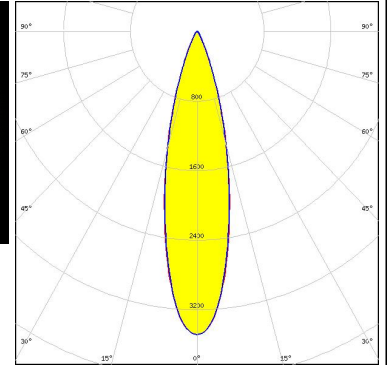
#### OPTICAL RESULTS (MEASURED):



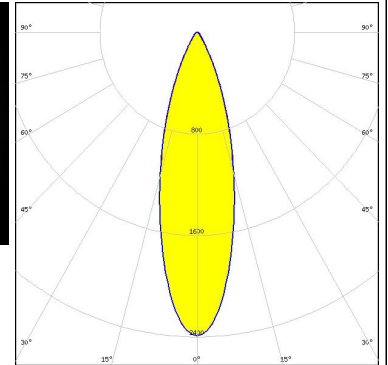
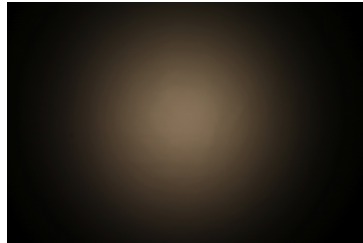
LED CMA1825  
FWHM / FWTM 27.0° / 54.0°  
Efficiency 89 %  
Peak intensity 2.8 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
F15254\_HEKLA-SOCKET-B



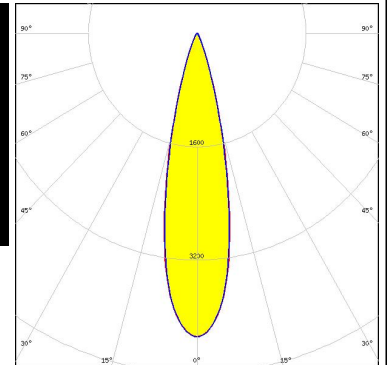
LED CMT14xx  
FWHM / FWTM 25.0° / 48.0°  
Efficiency 89 %  
Peak intensity 3.5 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
F17435\_HEKLA-G2-C



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



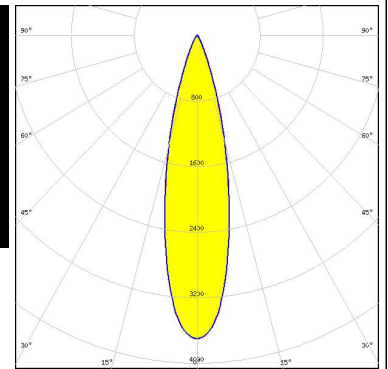
LED CXA/B 13xx  
FWHM / FWTM 24.0° / 42.0°  
Efficiency 91 %  
Peak intensity 4.3 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
F17439\_HEKLA-G2-J



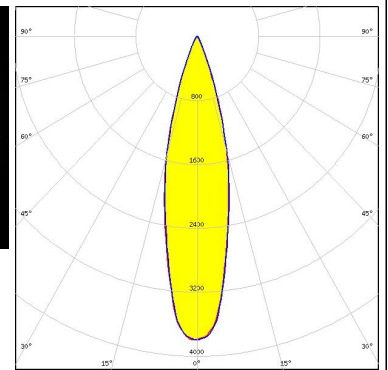
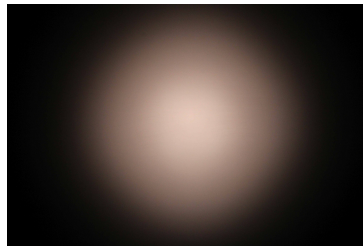
#### OPTICAL RESULTS (MEASURED):



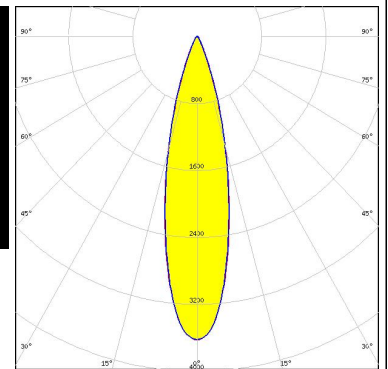
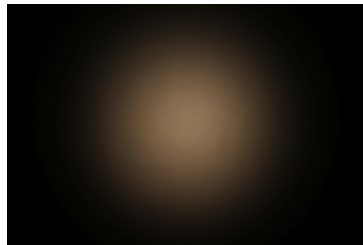
LED CXA/B 15xx  
FWHM / FWTM 25.0° / 46.0°  
Efficiency 90 %  
Peak intensity 3.7 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
F17436\_HEKLA-G2-D



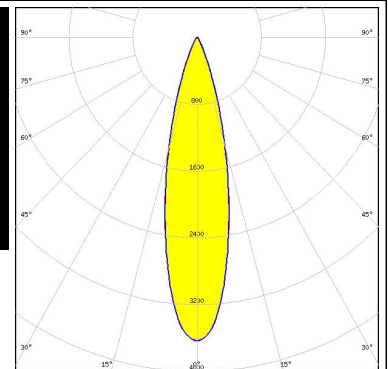
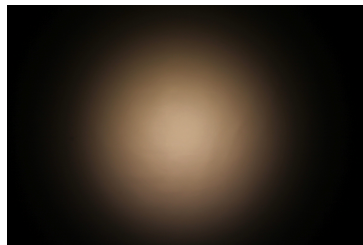
LED LEDIM/C6  
FWHM / FWTM 26.0° / 46.0°  
Efficiency 90 %  
Peak intensity 3.8 cd/lm  
LEDs/each optic 9  
Light colour White  
Required components:  
F17438\_HEKLA-G2-I



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



LED LUXEON CoB 1204HD  
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

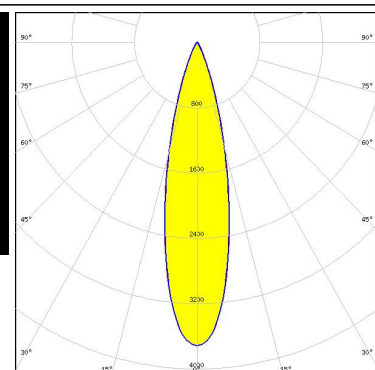
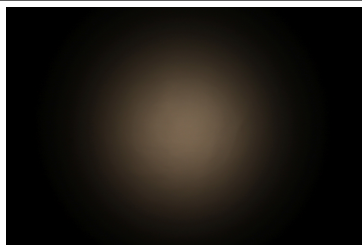




#### OPTICAL RESULTS (MEASURED):

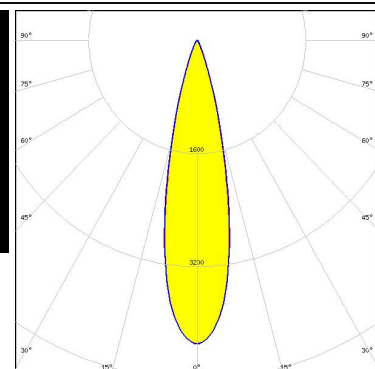
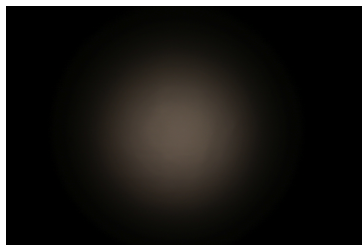
##### LUMILEDS

LED LUXEON CoB M02/M03  
 FWHM / FWTM 25.0° / 47.0°  
 Efficiency 90 %  
 Peak intensity 3.7 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F17436\_HEKLA-G2-D



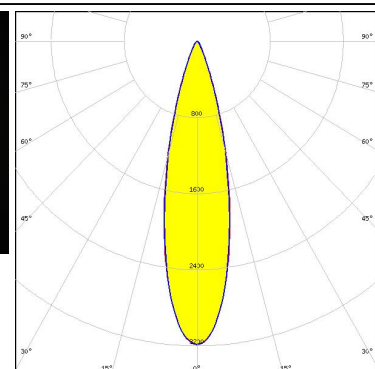
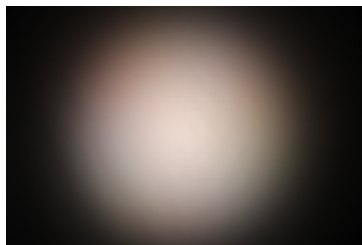
##### LUMILEDS

LED LUXEON CoB S01  
 FWHM / FWTM 24.0° / 42.0°  
 Efficiency 91 %  
 Peak intensity 4.3 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F17439\_HEKLA-G2-J



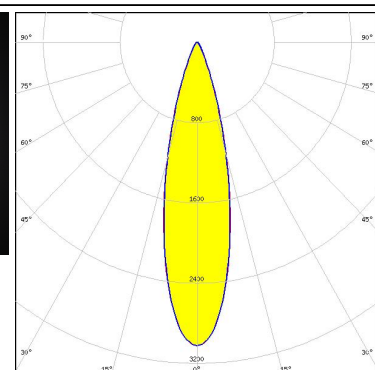
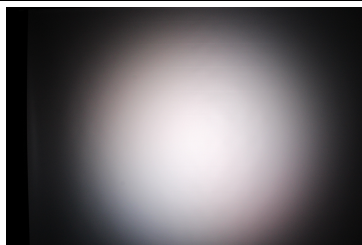
##### LUMILEDS

LED LUXEON Fusion 12-up (20x24)  
 FWHM / FWTM 25.0° / 47.0°  
 Efficiency 83 %  
 Peak intensity 3.2 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

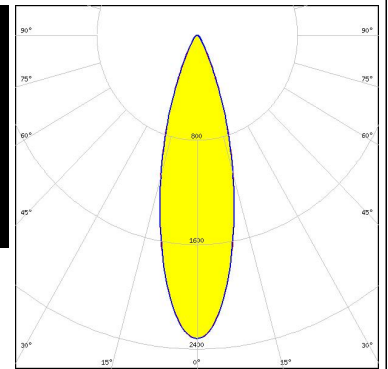
LED LUXEON Fusion 21-up (20x24)  
 FWHM / FWTM 26.0° / 48.0°  
 Efficiency 82 %  
 Peak intensity 3 cd/lm  
 LEDs/each optic 21  
 Light colour White  
 Required components:  
 C16142\_HEKLA-SOCKET-K  
 F18158\_HEKLA-RZ-LENS  
 Bender Wirth: 442 Typ L8



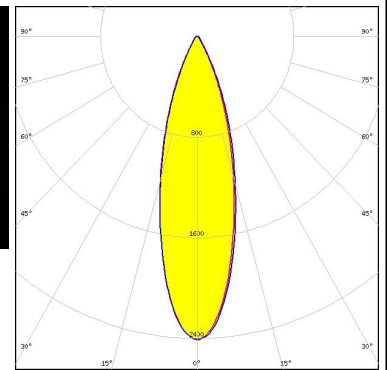
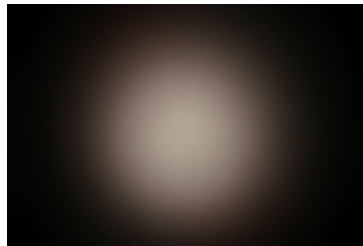
#### OPTICAL RESULTS (MEASURED):



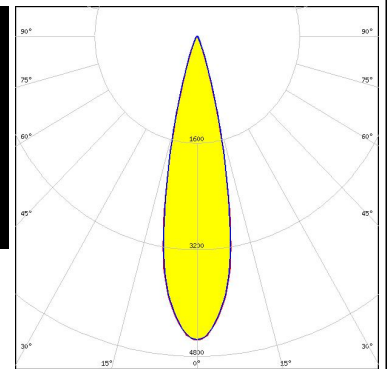
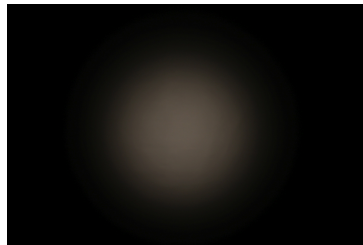
LED LUXEON Fusion 27-up (20x24)  
 FWHM / FWTM 29.0° / 55.0°  
 Efficiency 80 %  
 Peak intensity 2.3 cd/lm  
 LEDs/each optic 27  
 Light colour White  
 Required components:  
 C16142\_HEKLA-SOCKET-K  
 F18158\_HEKLA-RZ-LENS  
 Bender Wirth: 442 Typ L8



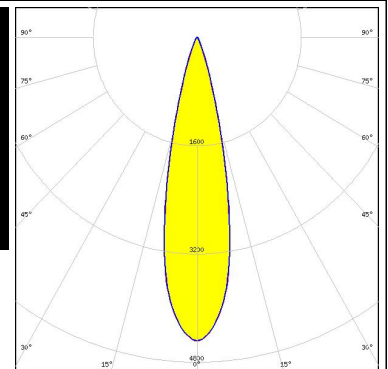
LED CTM-14 (Tunable White) Gen2  
 FWHM / FWTM 29.5° / 57.0°  
 Efficiency 86 %  
 Peak intensity 2.4 cd/lm  
 LEDs/each optic 1  
 Light colour Tunable White  
 Required components:  
 C16142\_HEKLA-SOCKET-K  
 Bender Wirth: 442 Typ L8



LED CXM-3  
 FWHM / FWTM 24.0° / 40.0°  
 Efficiency 91 %  
 Peak intensity 4.6 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F17435\_HEKLA-G2-C



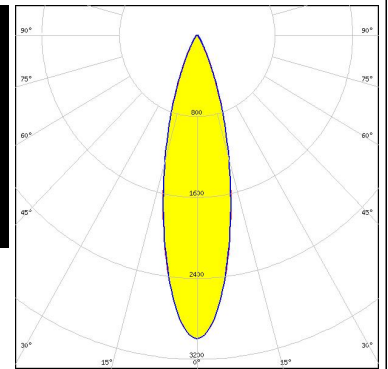
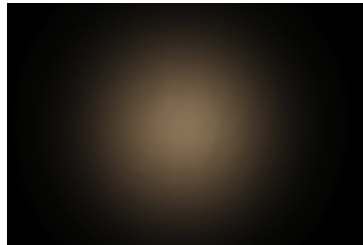
LED CXM-4  
 FWHM / FWTM 24.0° / 40.0°  
 Efficiency 91 %  
 Peak intensity 4.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F17435\_HEKLA-G2-C



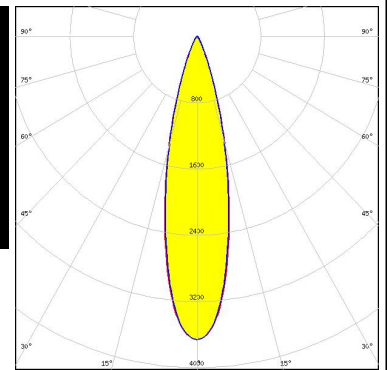
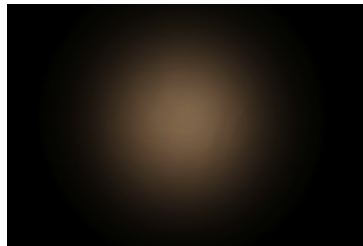
#### OPTICAL RESULTS (MEASURED):



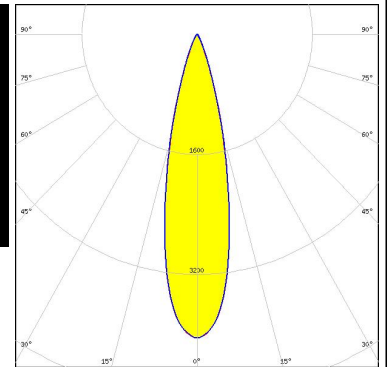
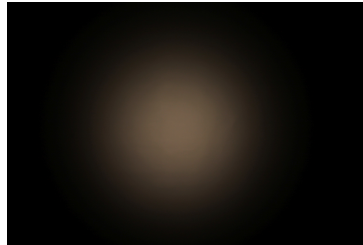
LED COB L-Type (LES 11)  
 FWHM / FWTM 27.0° / 52.0°  
 Efficiency 88 %  
 Peak intensity 3 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F17437\_HEKLA-G2-H



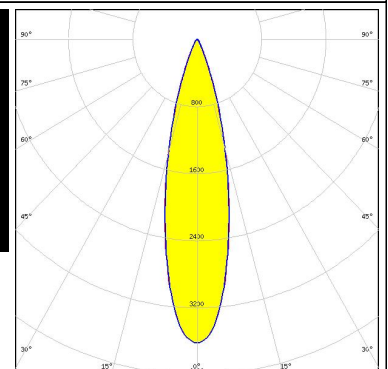
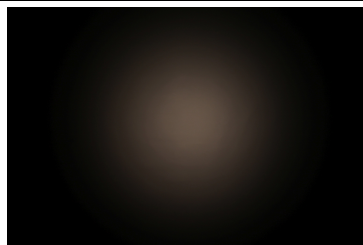
LED COB L-Type (LES 9)  
 FWHM / FWTM 25.0° / 46.0°  
 Efficiency 89 %  
 Peak intensity 3.7 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F17437\_HEKLA-G2-H



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



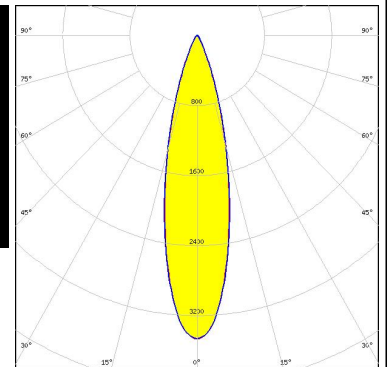
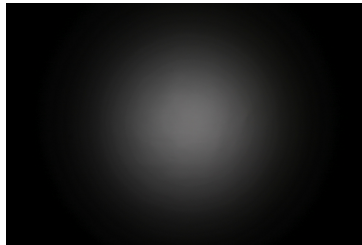
LED Fortimo SLM L09 CoB  
 FWHM / FWTM 25.0° / 47.0°  
 Efficiency 89 %  
 Peak intensity 3.6 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F17437\_HEKLA-G2-H



#### OPTICAL RESULTS (MEASURED):

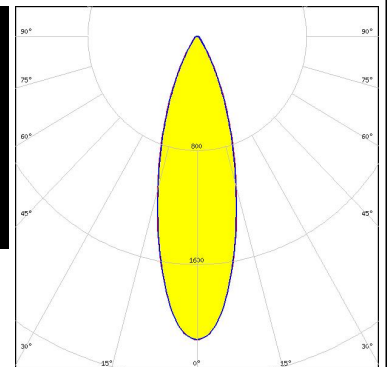
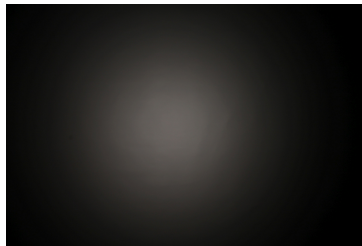
#### SAMSUNG

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



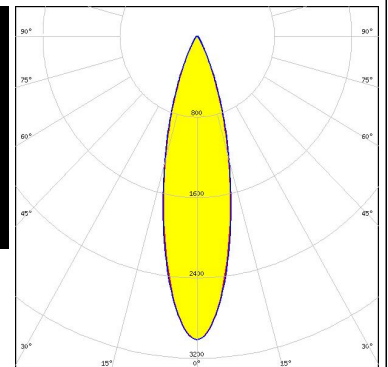
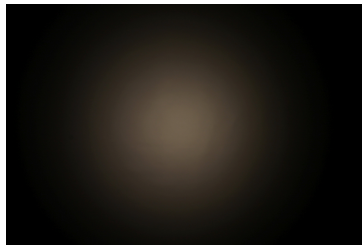
#### SAMSUNG

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



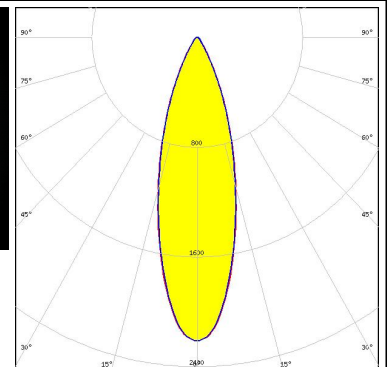
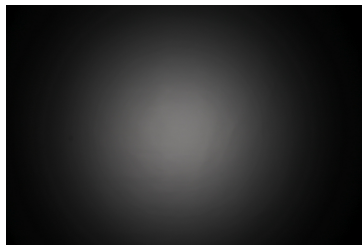
#### SAMSUNG

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


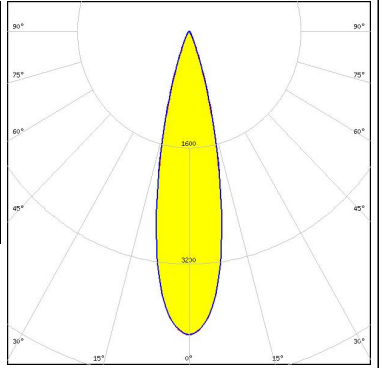

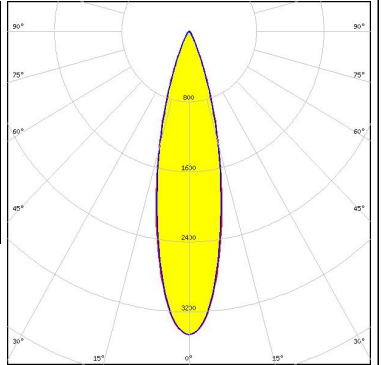

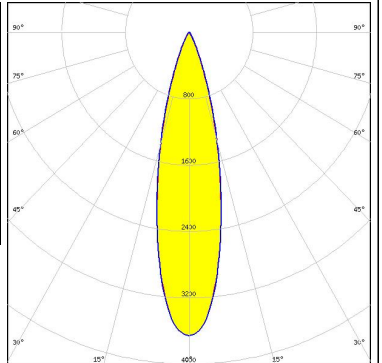
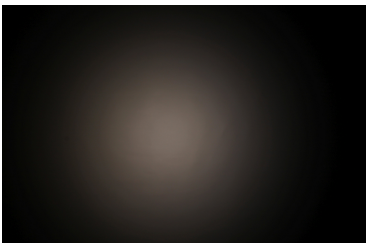
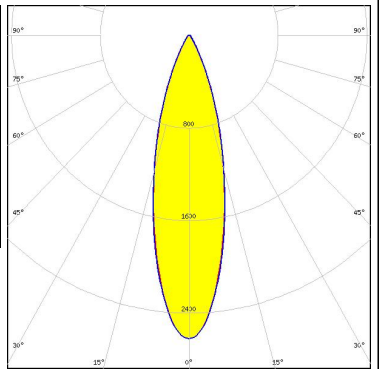


SEOUL SEMICONDUCTOR

LED MJT COB LES 14.5  
 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



#### OPTICAL RESULTS (MEASURED):

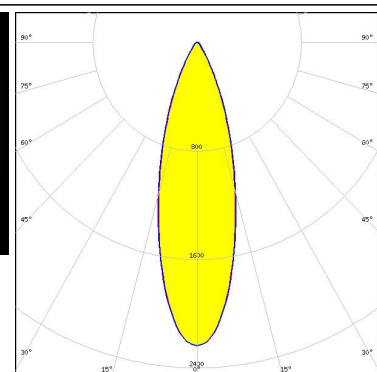
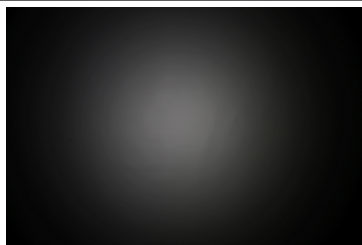
<p><b>SEOUL SEMICONDUCTOR</b></p> <p>LED MJT COB LES 6</p> <p>FWHM / FWTM 24.0° / 42.0°</p> <p>Efficiency 91 %</p> <p>Peak intensity 4.2 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: F17435_HEKLA-G2-C</p>		
<p><b>SEOUL SEMICONDUCTOR</b></p> <p>LED MJT COB LES 9.8</p> <p>FWHM / FWTM 25.0° / 48.0°</p> <p>Efficiency 90 %</p> <p>Peak intensity 3.5 cd/lm</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/lm</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 LES13</p> <p>FWHM / FWTM 28.0° / 55.0°</p> <p>Efficiency 87 %</p> <p>Peak intensity 2.6 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: F17438_HEKLA-G2-I</p>		



## OPTICAL RESULTS (MEASURED):

### TRIDONIC

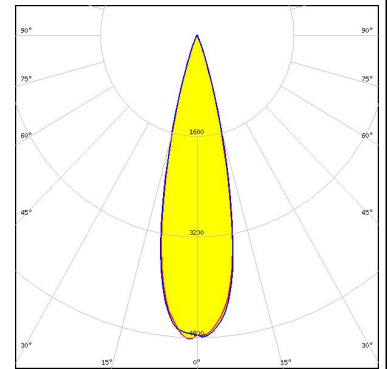
LED SLE G7 LES15  
FWHM / FWTM 30.0° / 60.0°  
Efficiency 87 %  
Peak intensity 2.2 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
F17438\_HEKLA-G2-I



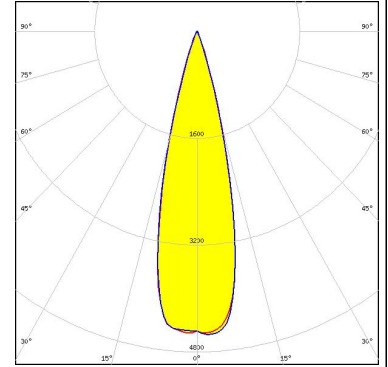
### OPTICAL RESULTS (SIMULATED):



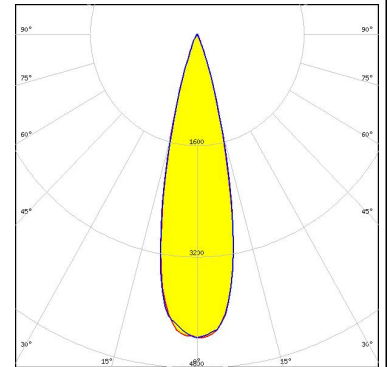
LED V3 HD Gen 8  
FWHM / FWTM 26.0° / 40.0°  
Efficiency 94 %  
Peak intensity 4.8 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
F15253\_HEKLA-SOCKET-A



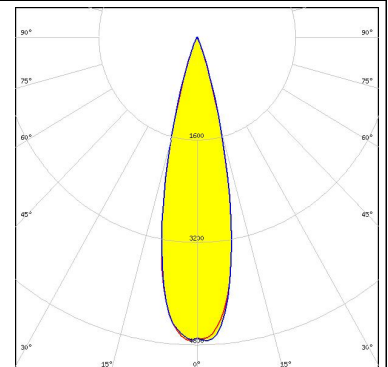
LED V3 HD Gen 8 FC  
FWHM / FWTM 26.0° / 40.0°  
Efficiency 94 %  
Peak intensity 4.6 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
F15255\_HEKLA-SOCKET-C



LED V4 HD Gen 7  
FWHM / FWTM 26.1° / 42.2°  
Efficiency 92 %  
Peak intensity 4.4 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
F15255\_HEKLA-SOCKET-C



LED V4 HD Gen 8  
FWHM / FWTM 26.0° + 25.0° / 40.0°  
Efficiency 94 %  
Peak intensity 4.8 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
F15253\_HEKLA-SOCKET-A

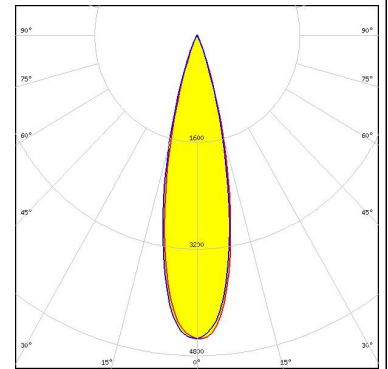




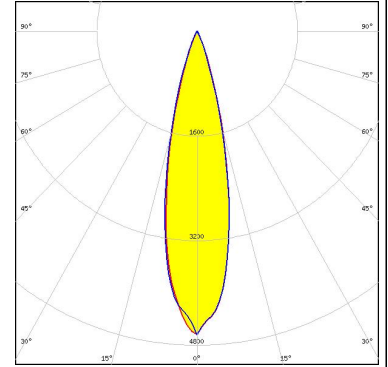
#### OPTICAL RESULTS (SIMULATED):



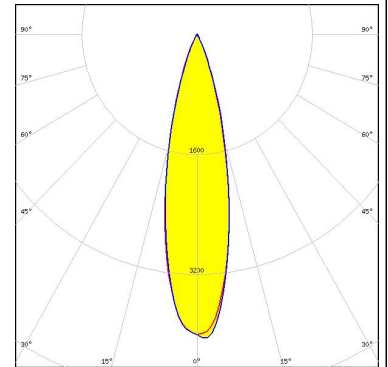
LED V6 Gen 8  
FWHM / FWTM 25.0° / 42.0°  
Efficiency 93 %  
Peak intensity 4.6 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
F15253\_HEKLA-SOCKET-A



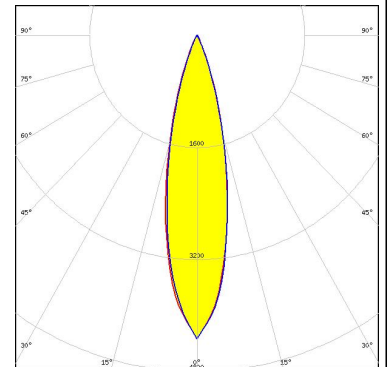
LED V6 HD Gen 8  
FWHM / FWTM 24.0° / 42.0°  
Efficiency 93 %  
Peak intensity 4.6 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
F15255\_HEKLA-SOCKET-C



LED V8 Gen7  
FWHM / FWTM 24.0° / 46.0°  
Efficiency 90 %  
Peak intensity 4 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
F15253\_HEKLA-SOCKET-A



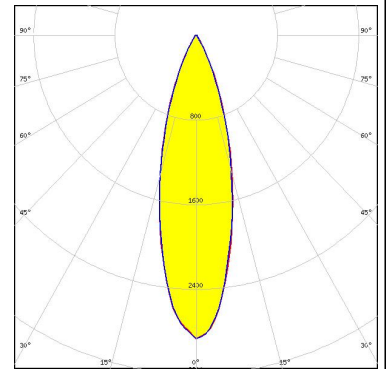
LED V9 HD Gen 8  
FWHM / FWTM 24.0° / 45.0 + 44.0°  
Efficiency 92 %  
Peak intensity 4.3 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
F15859\_HEKLA-SOCKET-I



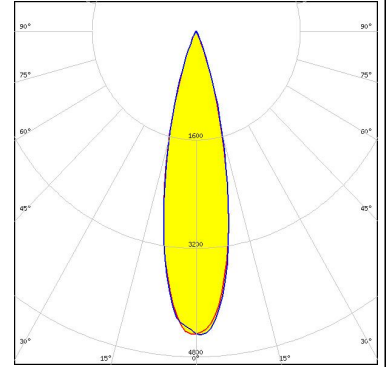
### OPTICAL RESULTS (SIMULATED):



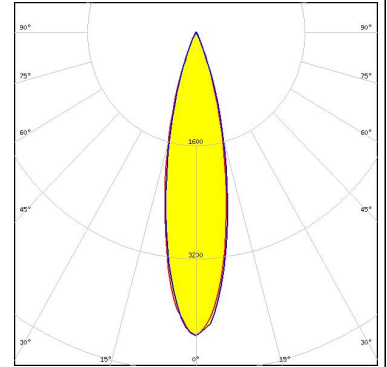
LED VERO13  
FWHM / FWTM 29.0 + 28.0° / 56.0°  
Efficiency 91 %  
Peak intensity 2.9 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C16142\_HEKLA-SOCKET-K



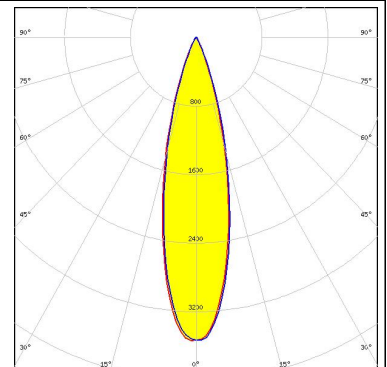
LED Vesta DTW 6mm  
FWHM / FWTM 24.0° / 42.0 + 43.0°  
Efficiency 93 %  
Peak intensity 4.5 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
Bender Wirth: 652b Hekla



LED Vesta DTW 9mm (4W/6W/12W)  
FWHM / FWTM 24.0° / 44.0°  
Efficiency 91 %  
Peak intensity 4.3 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
Bender Wirth: 652b Hekla



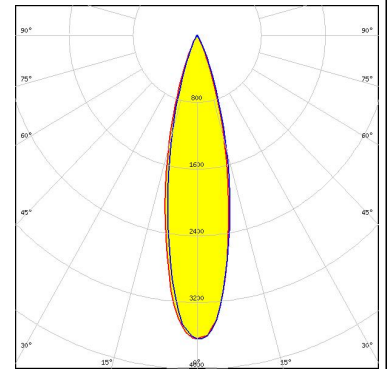
LED Vesta DTW 9mm (4W/6W/12W)  
FWHM / FWTM 26.0° / 47.0°  
Efficiency 85 %  
Peak intensity 3.6 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
F18158\_HEKLA-RZ-LENS  
Bender Wirth: 652b Hekla



#### OPTICAL RESULTS (SIMULATED):

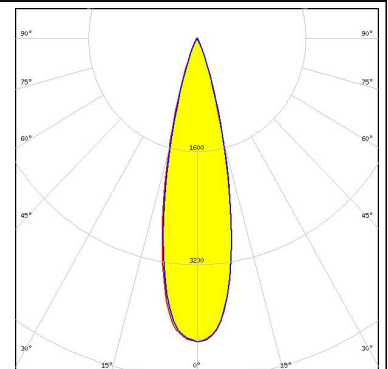


LED Vesta TW 9mm (12W) CSP  
 FWHM / FWTM 24.1° / 46.3°  
 Efficiency 82 %  
 Peak intensity 3.6 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C16142\_HEKLA-SOCKET-K



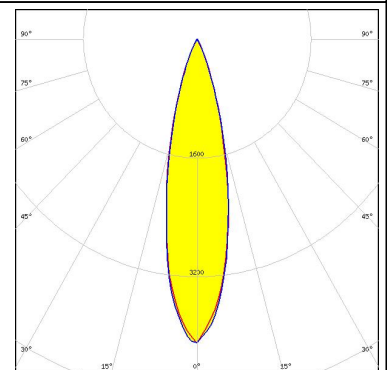
#### CITIZEN

LED CLU700/701/702/703  
 FWHM / FWTM 26.1 + 25.1° / 42.2°  
 Efficiency 91 %  
 Peak intensity 4.3 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F15255\_HEKLA-SOCKET-C

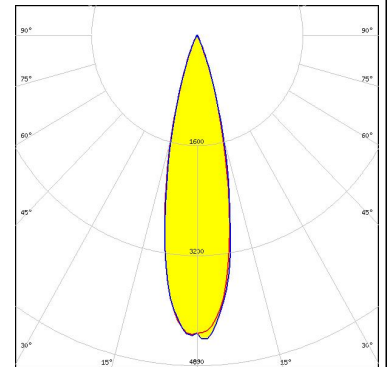


#### CITIZEN

LED CLU712/713  
 FWHM / FWTM 24.0° / 46.0°  
 Efficiency 90 %  
 Peak intensity 4.2 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F17438\_HEKLA-G2-I



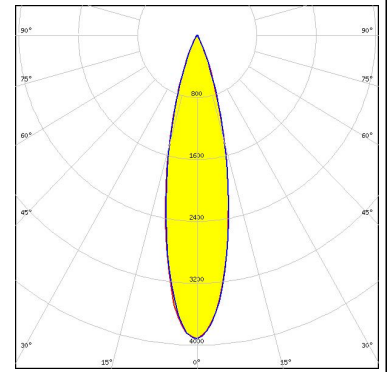
LED CMA1306  
 FWHM / FWTM 24.0° / 43.0°  
 Efficiency 91 %  
 Peak intensity 4.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F17439\_HEKLA-G2-J



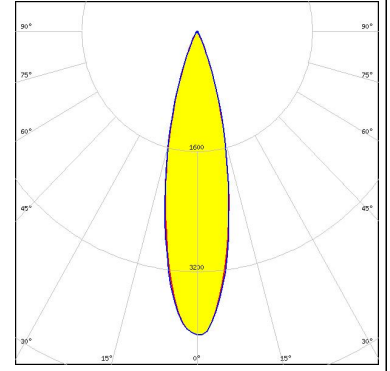
#### OPTICAL RESULTS (SIMULATED):



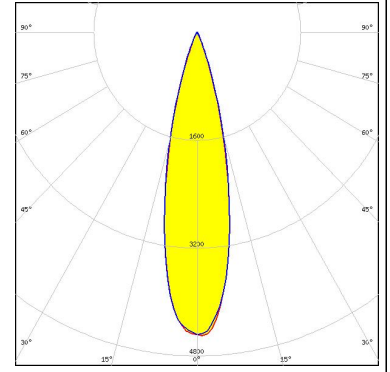
LED LUXEON CoB 1202/1203  
 FWHM / FWTM 24.1° / 46.3°  
 Efficiency 89 %  
 Peak intensity 3.9 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F15858\_HEKLA-SOCKET-H



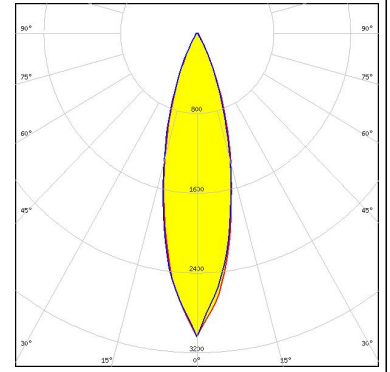
LED LUXEON CoB 1202/1203  
 FWHM / FWTM 24.0° / 46.0°  
 Efficiency 92 %  
 Peak intensity 4.1 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F15858\_HEKLA-SOCKET-H



LED LUXEON CoB 1202HD  
 FWHM / FWTM 24.0° / 42.0°  
 Efficiency 93 %  
 Peak intensity 4.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F15848\_HEKLA-SOCKET-G



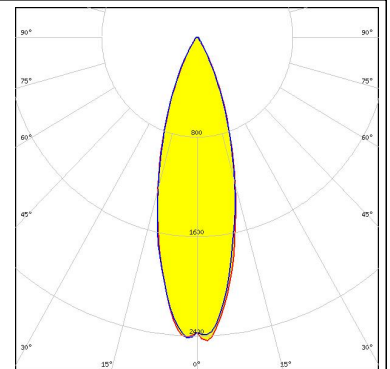
LED LUXEON CoB 1204/1205  
 FWHM / FWTM 27.0 + 26.0° / 53.0 + 54.0°  
 Efficiency 90 %  
 Peak intensity 3 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 Bender Wirth: 632a Hekla XL



#### OPTICAL RESULTS (SIMULATED):

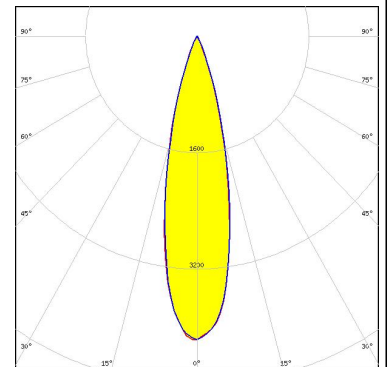
##### LUMILEDS

LED LUXEON CoB 1208  
 FWHM / FWTM 30.0 + 31.0° / 58.0°  
 Efficiency 89 %  
 Peak intensity 2.5 cd/Im  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 Bender Wirth: 632a Hekla XL



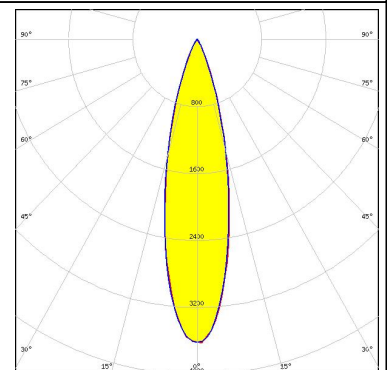
##### NICHIA

LED COB S-Type (LES 7)  
 FWHM / FWTM 25.0° / 44.0°  
 Efficiency 89 %  
 Peak intensity 4.2 cd/Im  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 Bender Wirth: 652a Hekla



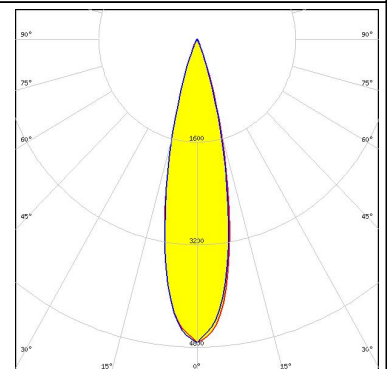
##### SAMSUNG

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



##### TRIDONIC

LED SLE SNC8 LES06  
 FWHM / FWTM 24.0° / 42.0 + 41.0°  
 Efficiency 93 %  
 Peak intensity 4.7 cd/Im  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F17435\_HEKLA-G2-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.

### 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)