

## MOLLY-M

~35° medium beam

### SPECIFICATION:

Dimensions	Ø 69.8 mm
Height	23.6 mm
ROHS compliant	yes ⓘ

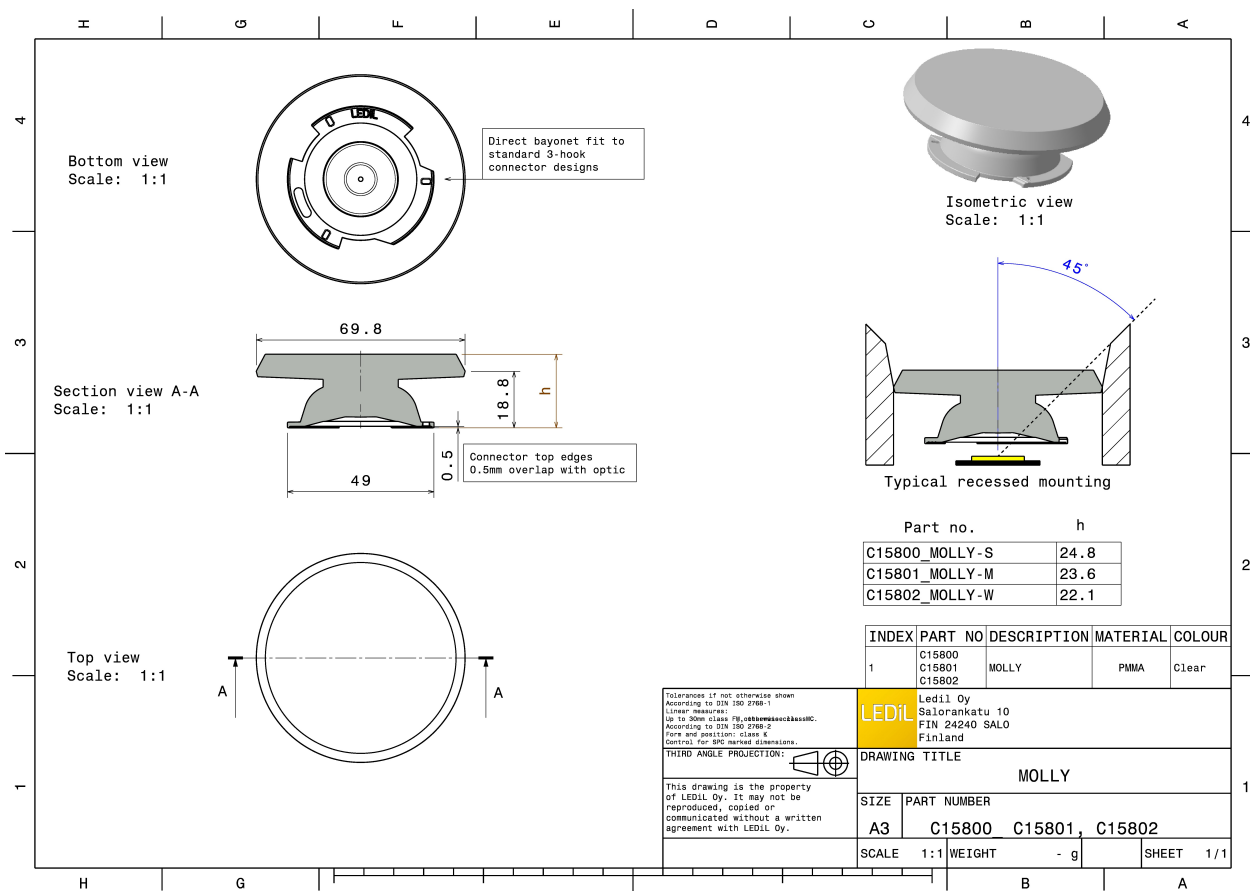
### MATERIALS:

Component	Type	Material	Colour	Finish
MOLLY-M	Single lens	PMMA	clear	

### ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
C15801_MOLLY-M » Box size: 476 x 273 x 292 mm	198	36	18	9.0



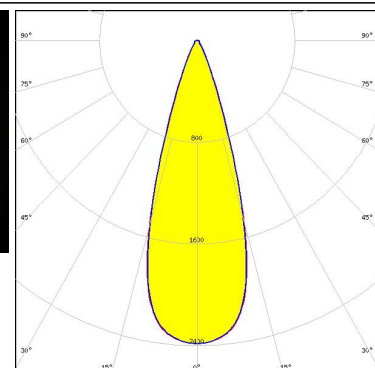
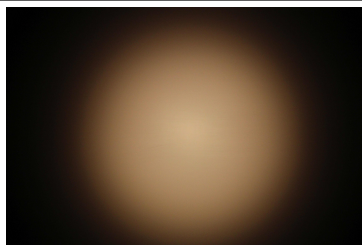


See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)

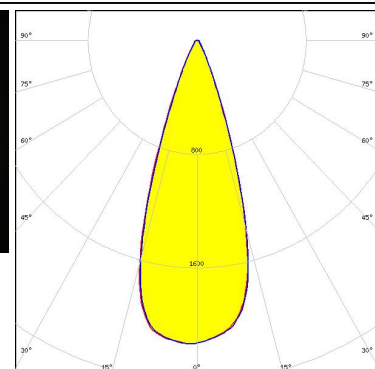
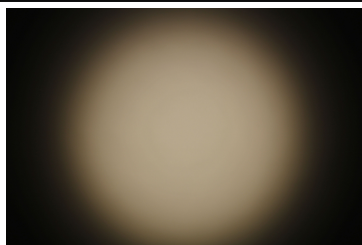
### OPTICAL RESULTS (MEASURED):



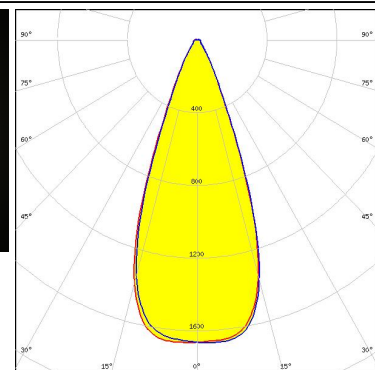
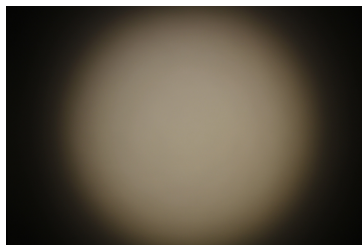
LED V11 HD Gen 8  
FWHM / FWTM 33.0° / 52.0°  
Efficiency 90 %  
Peak intensity 2.4 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
Bender Wirth: 633d 3Hook



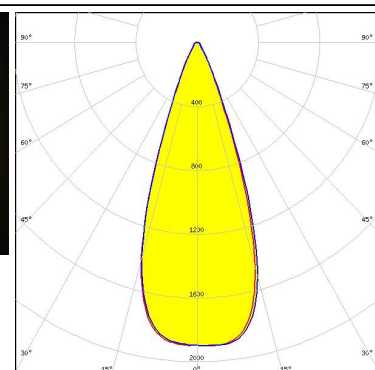
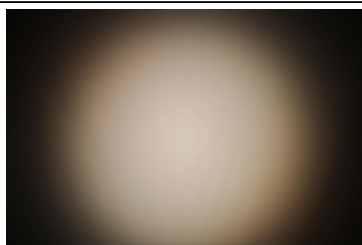
LED Vero SE 13  
FWHM / FWTM 36.0° / 54.0°  
Efficiency 90 %  
Peak intensity 2.1 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C16402\_CLAMP-VEROSE-13-18



LED Vero SE 18  
FWHM / FWTM 40.0° / 62.0°  
Efficiency 89 %  
Peak intensity 1.7 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C16402\_CLAMP-VEROSE-13-18



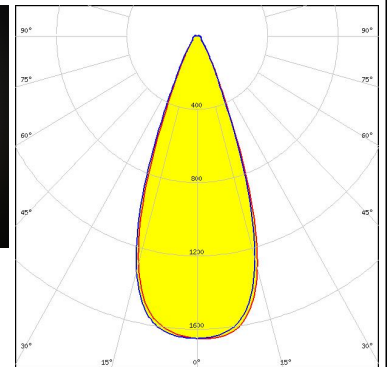
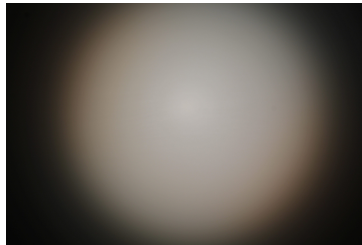
LED Vesta TW 15mm DP  
FWHM / FWTM 38.0° / 58.0°  
Efficiency 90 %  
Peak intensity 1.9 cd/lm  
LEDs/each optic 1  
Light colour Tunable White  
Required components:  
C13658\_CLAMP-VERO13-18  
Bender Wirth: 482 Typ L2



### OPTICAL RESULTS (MEASURED):

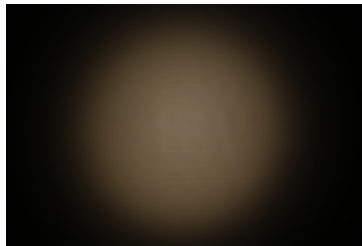


LED Vesta TW 18mm (31W) DP  
FWHM / FWTM 40.0° / 61.0°  
Efficiency 88 %  
Peak intensity 1.7 cd/lm  
LEDs/each optic 1  
Light colour Tunable White  
Required components:  
C13584\_CLAMP-VERO29  
Bender Wirth: 483 Typ L3



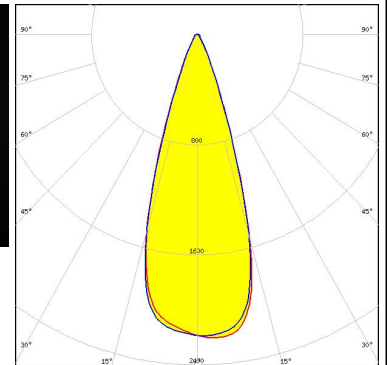
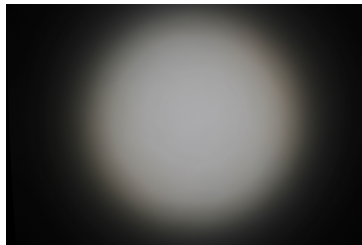
### CITIZEN

LED CLL03x/CLU03x  
FWHM / FWTM 36.0° / 55.0°  
Efficiency 89 %  
Peak intensity 2.1 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
Bender Wirth: 433 Typ L1

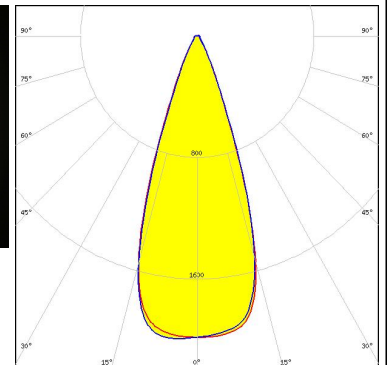
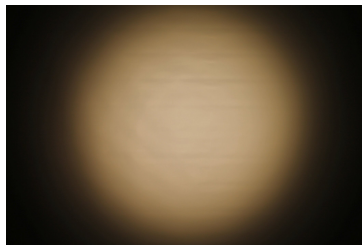


### CITIZEN

LED LCN-C02B (Tunable White)  
FWHM / FWTM 35.0° / 53.0°  
Efficiency 89 %  
Peak intensity 2.2 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C13658\_CLAMP-VERO13-18  
Bender Wirth: 481 Typ L2



LED CMA1840  
FWHM / FWTM 37.0° / 56.0°  
Efficiency 91 %  
Peak intensity 2 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C14123\_CLAMP-CXA15-18

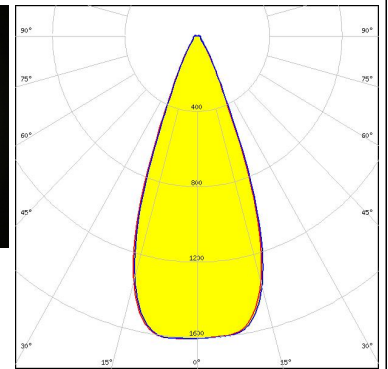
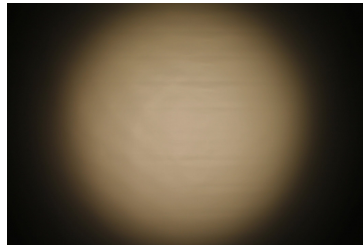




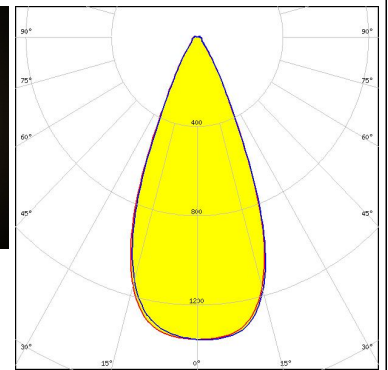
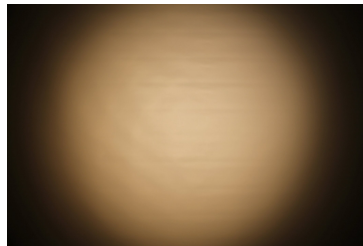
#### OPTICAL RESULTS (MEASURED):



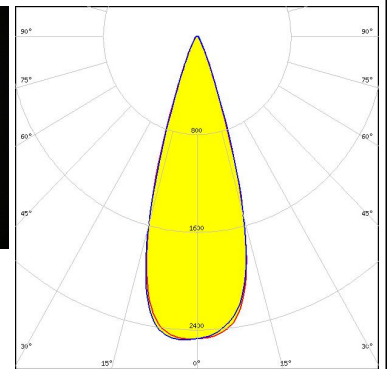
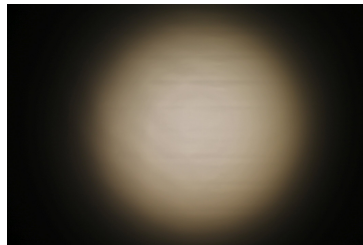
LED CMA2550  
FWHM / FWTM 42.0° / 62.0°  
Efficiency 89 %  
Peak intensity 1.6 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C14036\_CLAMP\_CXA25-30



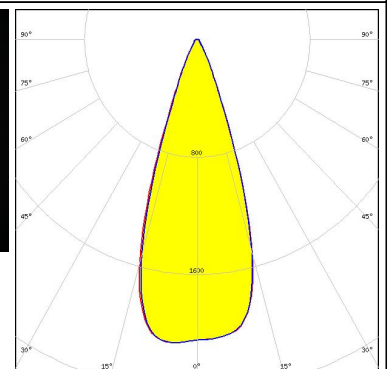
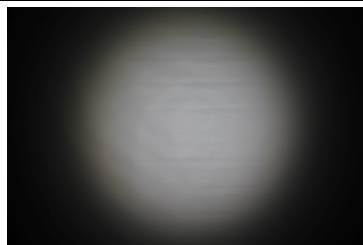
LED CMA3090  
FWHM / FWTM 45.0° / 68.0°  
Efficiency 88 %  
Peak intensity 1.4 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C14036\_CLAMP\_CXA25-30



LED CMT14xx  
FWHM / FWTM 33.0° / 50.0°  
Efficiency 90 %  
Peak intensity 2.5 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C13658\_CLAMP-VERO13-18  
Bender Wirth: 434 Typ L1



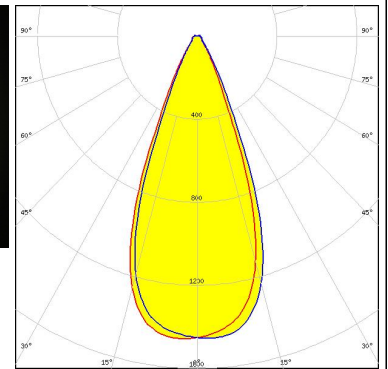
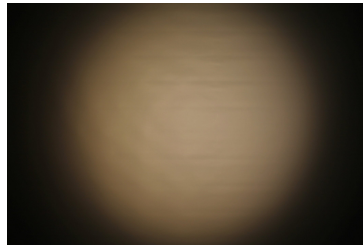
LED CMT19xx  
FWHM / FWTM 36.0° / 55.0°  
Efficiency 90 %  
Peak intensity 2.1 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C13658\_CLAMP-VERO13-18  
Bender Wirth: 477 Typ L1



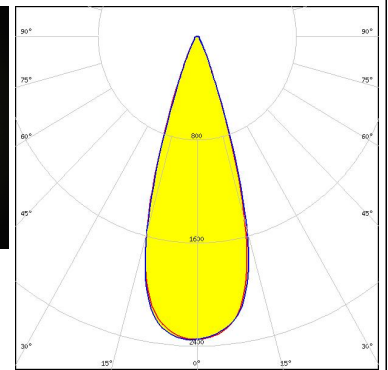
### OPTICAL RESULTS (MEASURED):



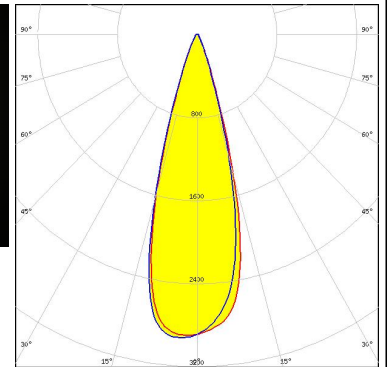
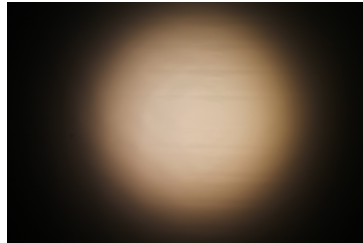
LED CMT28xx  
FWHM / FWTM 42.0° / 65.0°  
Efficiency 87 %  
Peak intensity 1.5 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C13584\_CLAMP-VERO29  
Bender Wirth: 471 Typ L3



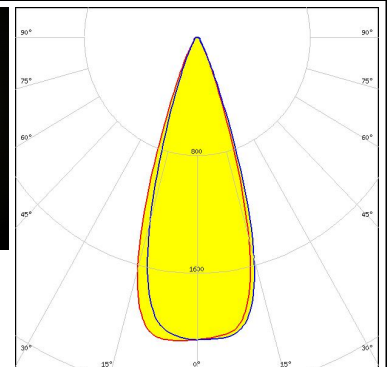
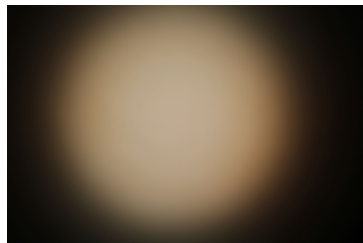
LED CXA/B 15xx  
FWHM / FWTM 34.0° / 51.0°  
Efficiency 90 %  
Peak intensity 2.4 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C14123\_CLAMP-CXA15-18



LED LUXEON CoB 1204HD  
FWHM / FWTM 30.0° / 46.0°  
Efficiency 89 %  
Peak intensity 2.9 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
TE Connectivity: 2213382-2 + OPTIC CLIP Z50 TYPE1 2213194-1



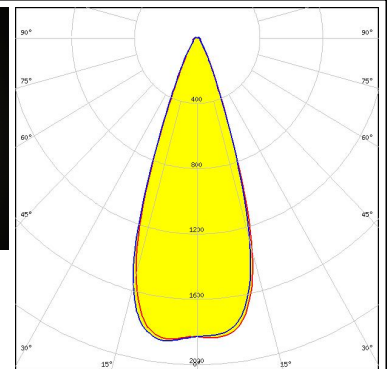
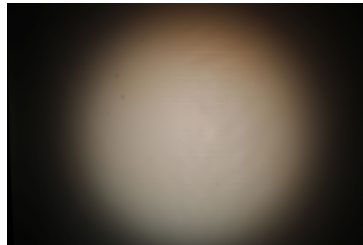
LED CDM-14 (Dim-To-Warm)  
FWHM / FWTM 36.0° / 54.0°  
Efficiency 89 %  
Peak intensity 2 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C13658\_CLAMP-VERO13-18  
Bender Wirth: 491 Typ L2



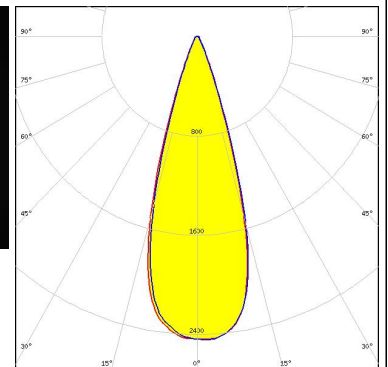
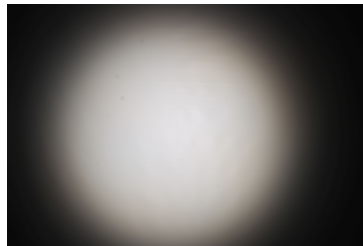
### OPTICAL RESULTS (MEASURED):



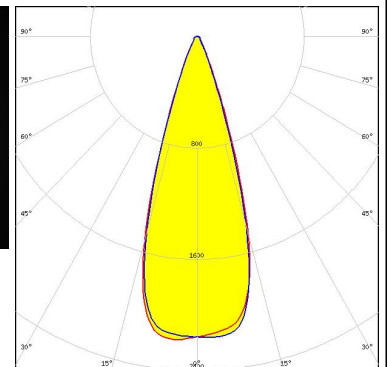
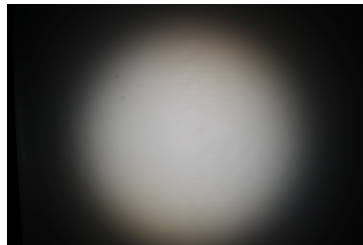
LED CDM-18 (Dim-To-Warm)  
 FWHM / FWTM 38.0° / 57.0°  
 Efficiency 89 %  
 Peak intensity 1.9 cd/Im  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C13658\_CLAMP-VERO13-18  
 Bender Wirth: 491 Typ L2



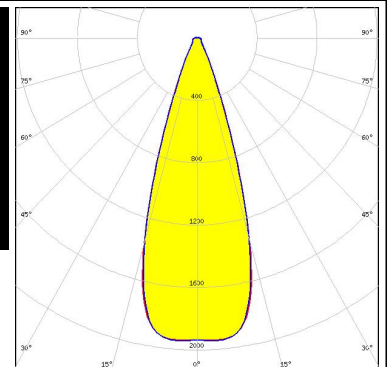
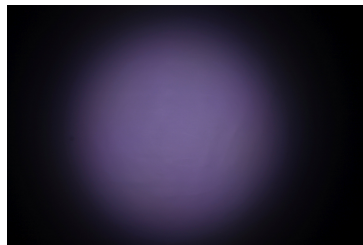
LED CDM-9 (Dim-To-Warm)  
 FWHM / FWTM 33.0° / 49.0°  
 Efficiency 89 %  
 Peak intensity 2.4 cd/Im  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C13658\_CLAMP-VERO13-18  
 Bender Wirth: 490 Typ L1



LED CTM-14 (Tunable White)  
 FWHM / FWTM 34.0° / 52.0°  
 Efficiency 88 %  
 Peak intensity 2.2 cd/Im  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C13584\_CLAMP-VERO29  
 Bender Wirth: 442 Typ L3



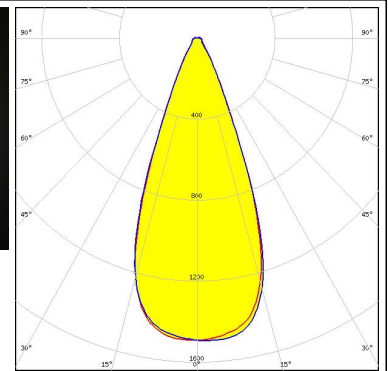
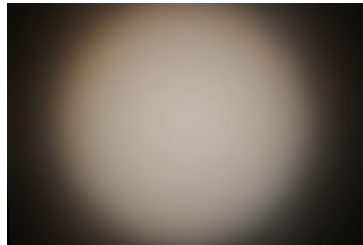
LED CTM-14 RGBW  
 FWHM / FWTM 35.0° / 55.0°  
 Efficiency 88 %  
 Peak intensity 2 cd/Im  
 LEDs/each optic 1  
 Light colour RGBW  
 Required components:  
 C13584\_CLAMP-VERO29  
 Bender Wirth: 500 Typ L3-1



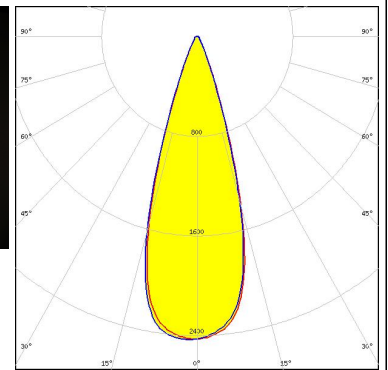
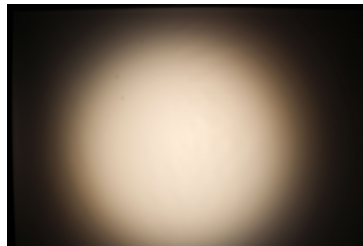
#### OPTICAL RESULTS (MEASURED):



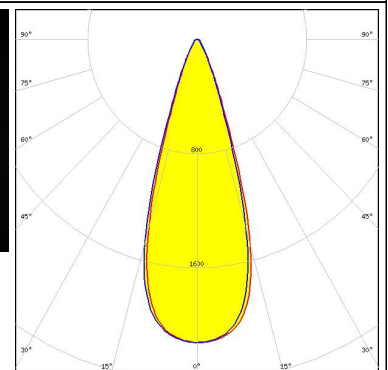
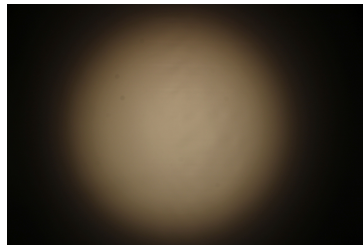
LED CTM-22 (Tunable White)  
 FWHM / FWTM 42.0° / 64.0°  
 Efficiency 87 %  
 Peak intensity 1.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C13584\_CLAMP-VERO29  
 Bender Wirth: 494 Typ L3



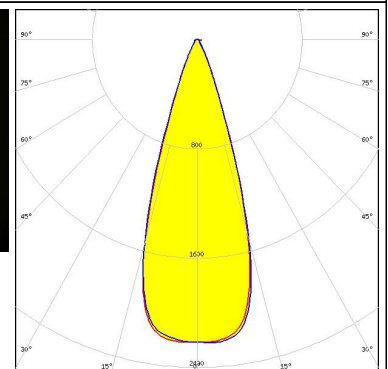
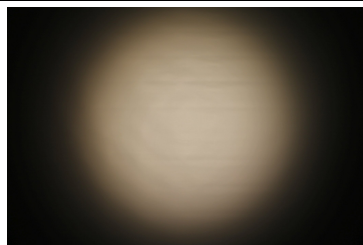
LED NVCWJ024Z-V1MT: COB J-Type Tunable White  
 FWHM / FWTM 33.0° / 51.0°  
 Efficiency 89 %  
 Peak intensity 2.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C13658\_CLAMP-VERO13-18  
 Bender Wirth: 498 Typ L2



LED PrevaLED Core G7 L15 H1  
 FWHM / FWTM 35.0° / 55.0°  
 Efficiency 90 %  
 Peak intensity 2.1 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C16685\_CLAMP-PRV-A



LED Fortimo SLM L13 CoB  
 FWHM / FWTM 35.0° / 53.0°  
 Efficiency 89 %  
 Peak intensity 2.2 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 TE Connectivity: 2213130-2 + OPTIC CLIP Z50 TYPE1 2213194-1

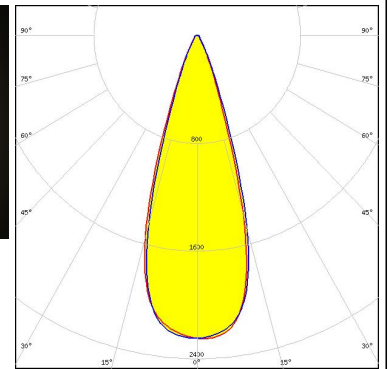
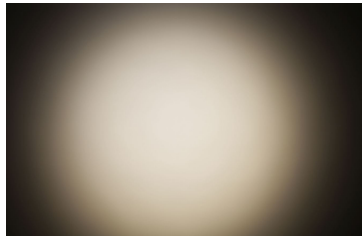




#### OPTICAL RESULTS (MEASURED):

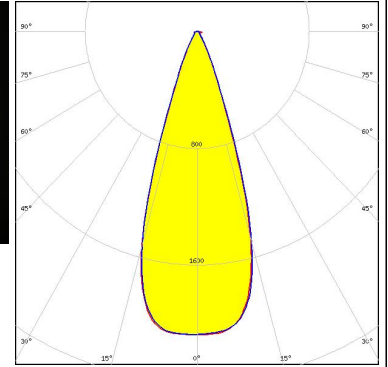
#### PHILIPS

LED Fortimo SLM L15 + SLM holder  
 FWHM / FWTM 34.0° / 53.0°  
 Efficiency 89 %  
 Peak intensity 2.3 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 TE Connectivity: OPTIC CLIP Z50 TYPE1 2213194-1



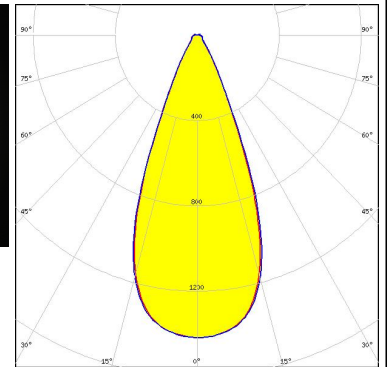
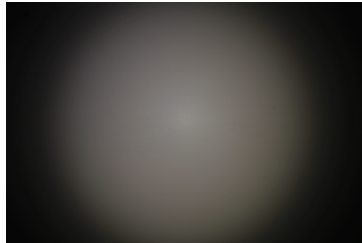
#### PHILIPS

LED Fortimo SLM L15 CoB  
 FWHM / FWTM 36.0° / 54.0°  
 Efficiency 88 %  
 Peak intensity 2.1 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 TE Connectivity: 2213130-2 + OPTIC CLIP Z50 TYPE1 2213194-1



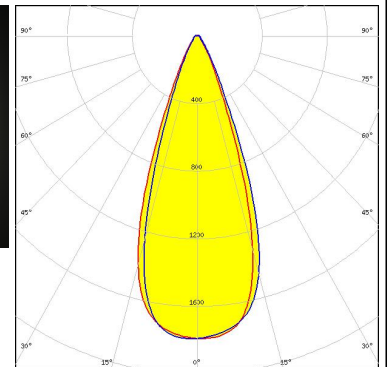
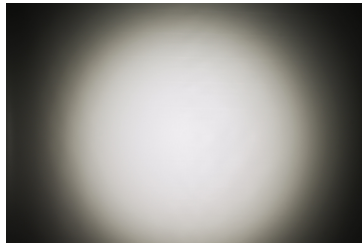
#### SAMSUNG

LED LC035T (Tunable white)  
 FWHM / FWTM 43.0° / 67.0°  
 Efficiency 88 %  
 Peak intensity 1.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C13584\_CLAMP-VERO29  
 Bender Wirth: 502 Typ L3



#### XICATO

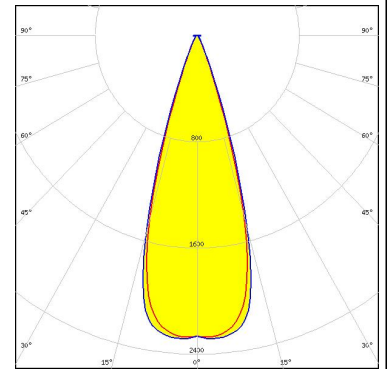
LED XTM - 19mm LES  
 FWHM / FWTM 39.0° / 60.0°  
 Efficiency 90 %  
 Peak intensity 1.8 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C16491\_XTM-ADAPTER-50-A



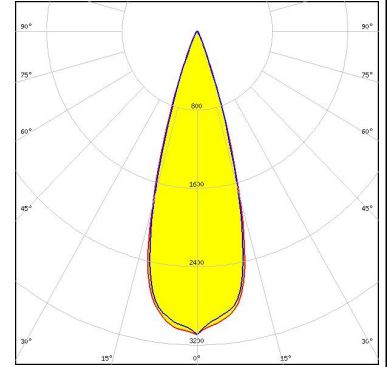
#### OPTICAL RESULTS (SIMULATED):



LED V9 HD Gen7  
FWHM / FWTM 32.0° / 44.0°  
Efficiency 90 %  
Peak intensity 3.3 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C13658\_CLAMP-VERO13-18  
Bender Wirth: 496 Typ L1

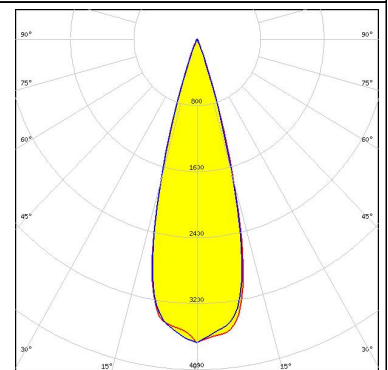


LED VERO13  
FWHM / FWTM 32.0° / 46.0°  
Efficiency 91 %  
Peak intensity 3.1 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C13658\_CLAMP-VERO13-18

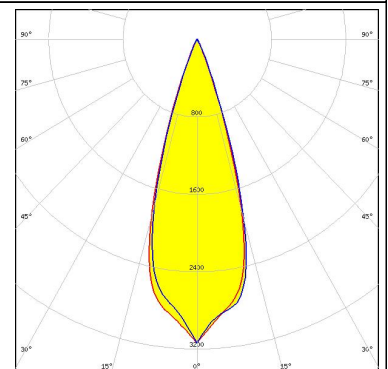


#### CITIZEN

LED CLL02x/CLU02x (LES10)  
FWHM / FWTM 30.0° / 42.0°  
Efficiency 89 %  
Peak intensity 3.6 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
Bender Wirth: 434 Typ L1



LED CXA/B 1816 & CXA/B 1820 & CXA 1850  
FWHM / FWTM 33.0° / 47.0°  
Efficiency 90 %  
Peak intensity 3.1 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C14123\_CLAMP-CXA15-18

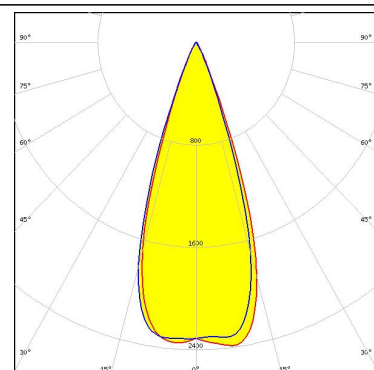




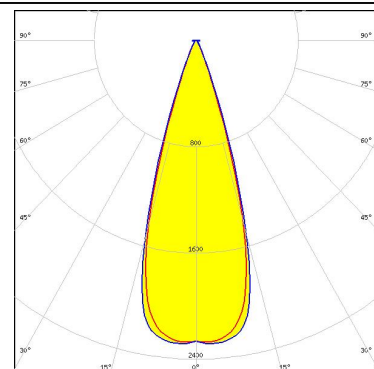
### OPTICAL RESULTS (SIMULATED):



LED CXA/B 25xx  
FWHM / FWTM 36.0° / 50.0°  
Efficiency 88 %  
Peak intensity 2.2 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C14036\_CLAMP\_CXA25-30



LED CTM-18 (Tunable White)  
FWHM / FWTM 34.0° / 47.0°  
Efficiency 80 %  
Peak intensity 2.3 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C13658\_CLAMP-VERO13-18



### 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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