

## MOLLY-M

~35° medium beam

### SPECIFICATION:

Dimensions	Ø 69.8 mm
Height	23.6 mm
ROHS compliant	yes ⓘ

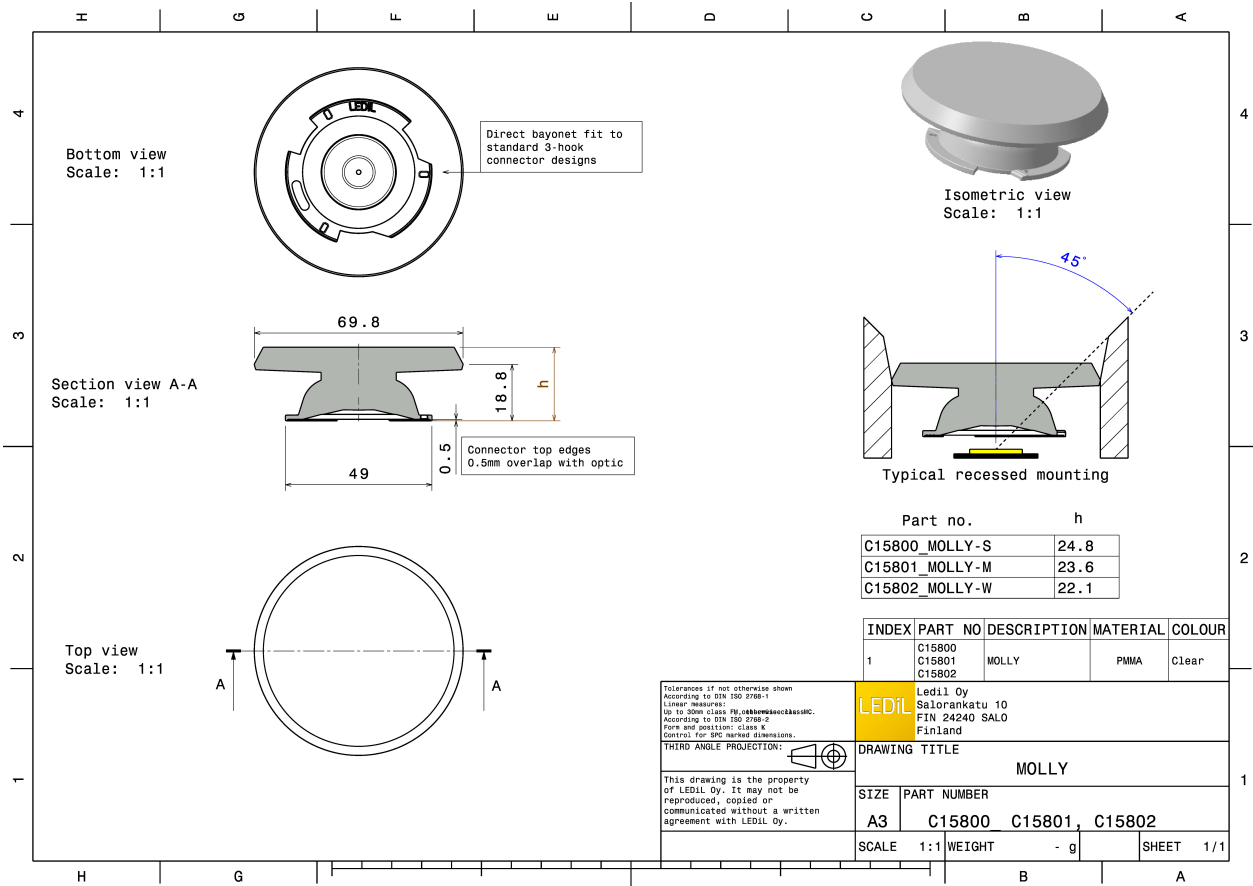
### MATERIALS:

Component	Type	Material	Colour	Finish	Length
MOLLY-M	Single lens	PMMA	clear		69.8

### 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



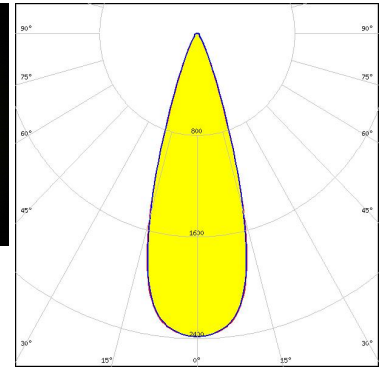


See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)

### OPTICAL RESULTS (MEASURED):

bridgelux

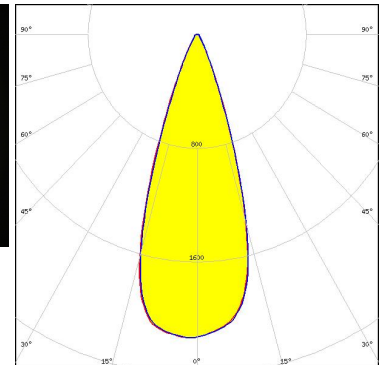
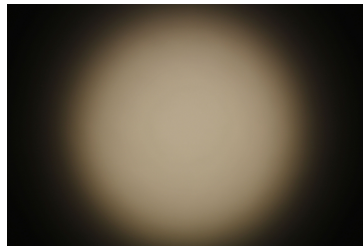
LED V11 HD Gen 8  
 FWHM / FWTM 33.0° / 52.0°  
 Efficiency 90 %  
 Peak intensity 2.4 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 Bender Wirth: 633d 3Hook



Light distribution files

bridgelux

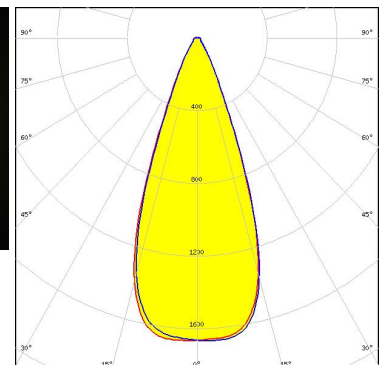
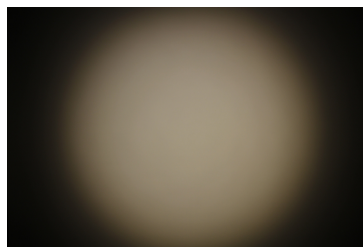
LED Vero SE 13  
 FWHM / FWTM 36.0° / 54.0°  
 Efficiency 90 %  
 Peak intensity 2.1 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C16402\_CLAMP-VEROSE-13-18



Light distribution files

bridgelux

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

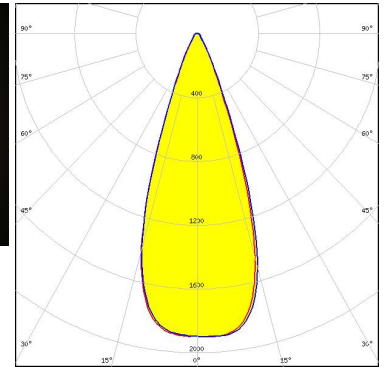
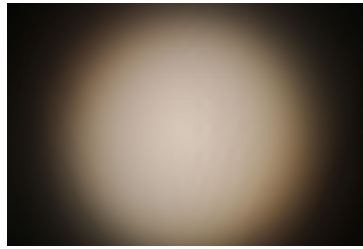


Light distribution files

### OPTICAL RESULTS (MEASURED):



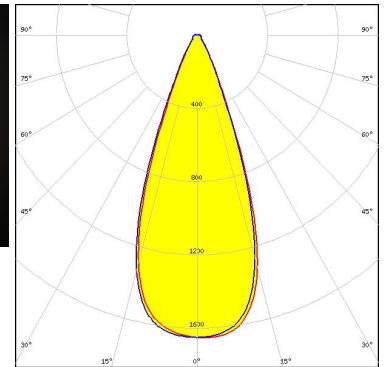
**LED** Vesta TW 15mm DP  
**FWHM / FWTM** 38.0° / 58.0°  
**Efficiency** 90 %  
**Peak intensity** 1.9 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** Tunable White  
**Required components:**  
 C13658\_CLAMP-VERO13-18  
 Bender Wirth: 482 Typ L2



Light distribution files



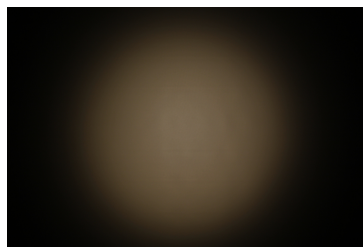
**LED** Vesta TW 18mm (31W) DP  
**FWHM / FWTM** 40.0° / 61.0°  
**Efficiency** 88 %  
**Peak intensity** 1.7 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** Tunable White  
**Required components:**  
 C13584\_CLAMP-VERO29  
 Bender Wirth: 483 Typ L3



Light distribution files

### CITIZEN

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

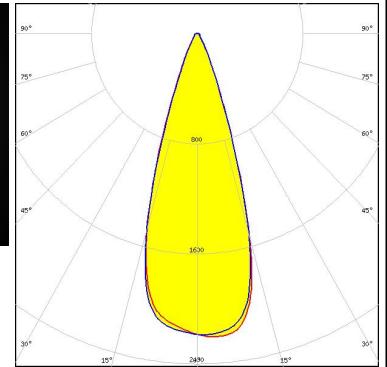




### OPTICAL RESULTS (MEASURED):

#### CITIZEN

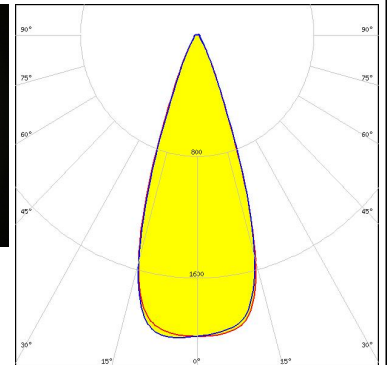
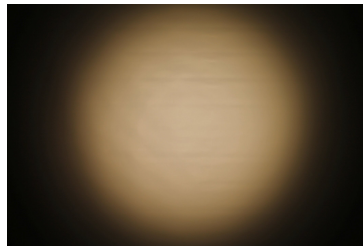
LED LCN-C02B (Tunable White)  
 FWHM / FWTM 35.0° / 53.0°  
 Efficiency 89 %  
 Peak intensity 2.2 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C13658\_CLAMP-VERO13-18  
 Bender Wirth: 481 Typ L2



Light distribution files



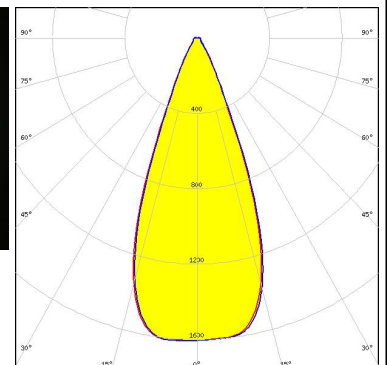
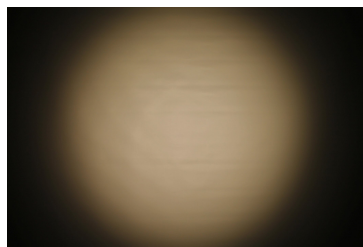
LED CMA1840  
 FWHM / FWTM 37.0° / 56.0°  
 Efficiency 91 %  
 Peak intensity 2 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C14123\_CLAMP-CXA15-18



Light distribution files



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

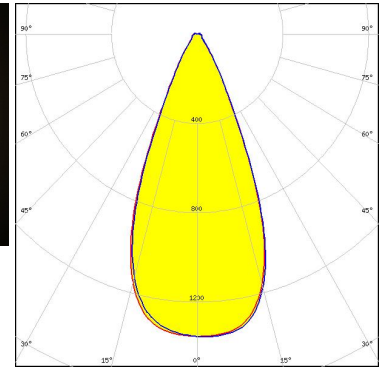
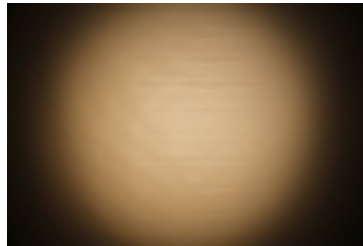


Light distribution files

### OPTICAL RESULTS (MEASURED):



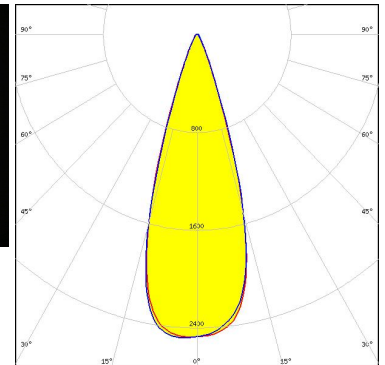
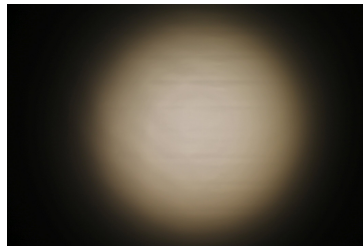
**LED** CMA3090  
**FWHM / FWTM** 45.0° / 68.0°  
**Efficiency** 88 %  
**Peak intensity** 1.4 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**  
 C14036\_CLAMP\_CXA25-30



Light distribution files



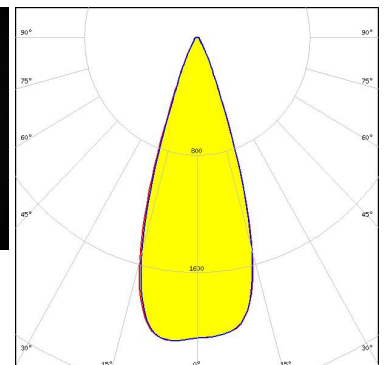
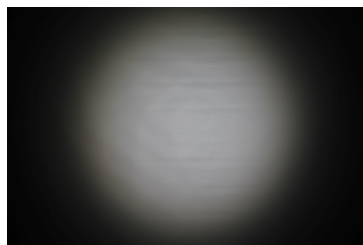
**LED** CMT14xx  
**FWHM / FWTM** 33.0° / 50.0°  
**Efficiency** 90 %  
**Peak intensity** 2.5 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**  
 C13658\_CLAMP-VERO13-18  
 Bender Wirth: 434 Typ L1



Light distribution files



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

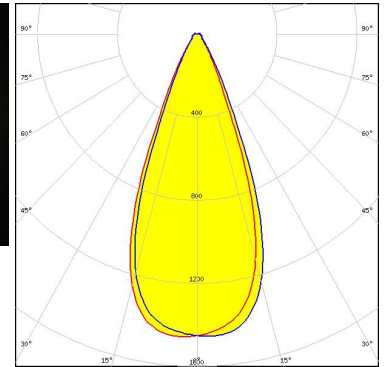
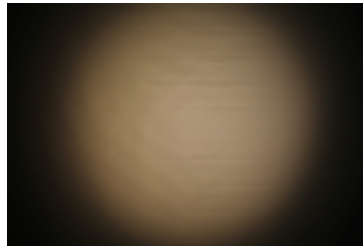


Light distribution files

### OPTICAL RESULTS (MEASURED):



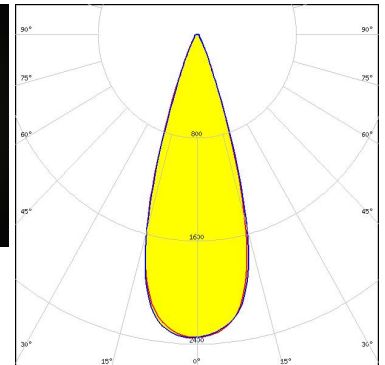
**LED** CMT28xx  
**FWHM / FWTM** 42.0° / 65.0°  
**Efficiency** 87 %  
**Peak intensity** 1.5 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**  
 C13584\_CLAMP-VERO29  
 Bender Wirth: 471 Typ L3



Light distribution files



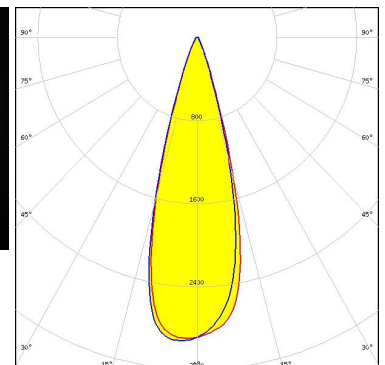
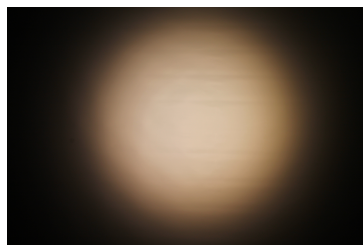
**LED** CXA/B 15xx  
**FWHM / FWTM** 34.0° / 51.0°  
**Efficiency** 90 %  
**Peak intensity** 2.4 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**  
 C14123\_CLAMP-CXA15-18



Light distribution files



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

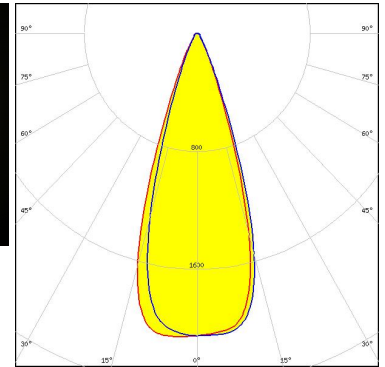
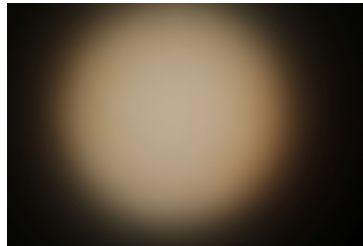


Light distribution files

### OPTICAL RESULTS (MEASURED):



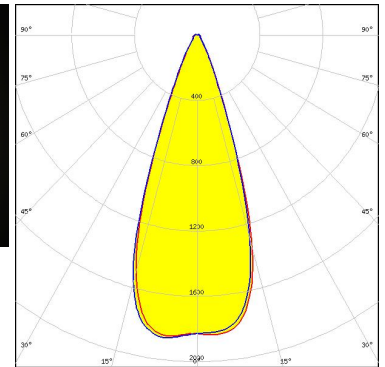
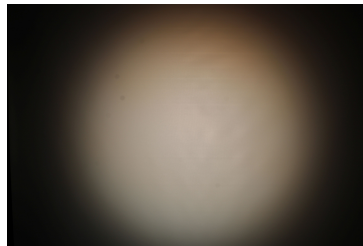
**LED** CDM-14 (Dim-To-Warm)  
**FWHM / FWTM** 36.0° / 54.0°  
**Efficiency** 89 %  
**Peak intensity** 2 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**  
 C13658\_CLAMP-VERO13-18  
 Bender Wirth: 491 Typ L2



Light distribution files



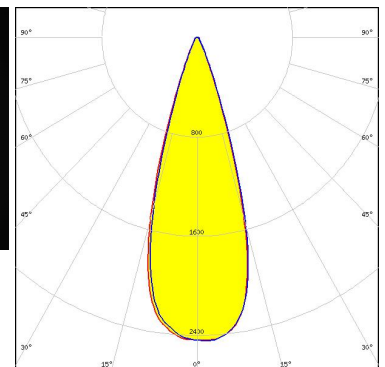
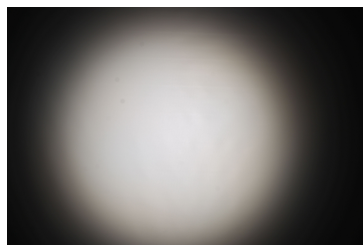
**LED** CDM-18 (Dim-To-Warm)  
**FWHM / FWTM** 38.0° / 57.0°  
**Efficiency** 89 %  
**Peak intensity** 1.9 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**  
 C13658\_CLAMP-VERO13-18  
 Bender Wirth: 491 Typ L2



Light distribution files



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

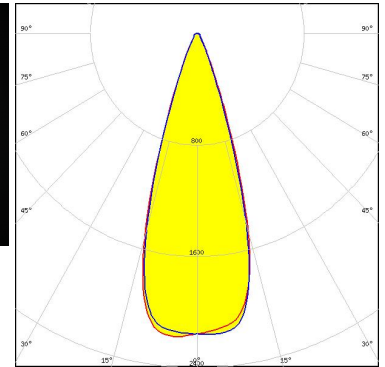
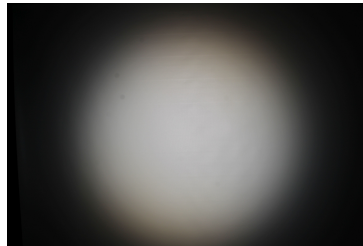


Light distribution files

### OPTICAL RESULTS (MEASURED):



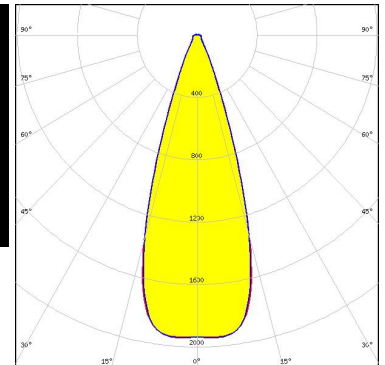
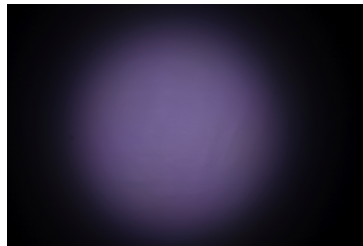
**LED** CTM-14 (Tunable White)  
**FWHM / FWTM** 34.0° / 52.0°  
**Efficiency** 88 %  
**Peak intensity** 2.2 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**  
 C13584\_CLAMP-VERO29  
 Bender Wirth: 442 Typ L3



Light distribution files



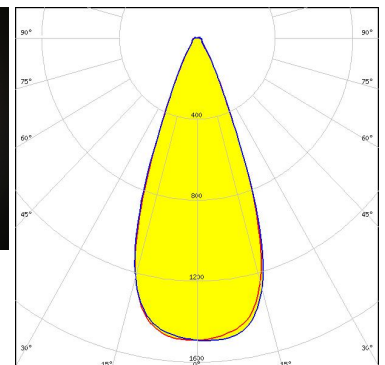
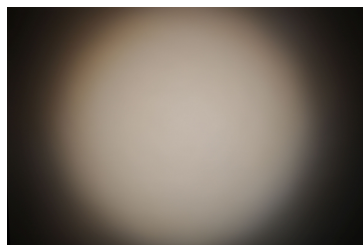
**LED** CTM-14 RGBW  
**FWHM / FWTM** 35.0° / 55.0°  
**Efficiency** 88 %  
**Peak intensity** 2 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** RGBW  
**Required components:**  
 C13584\_CLAMP-VERO29  
 Bender Wirth: 500 Typ L3-1



Light distribution files



**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/type** White  
**Required components:**  
 C13584\_CLAMP-VERO29  
 Bender Wirth: 494 Typ L3



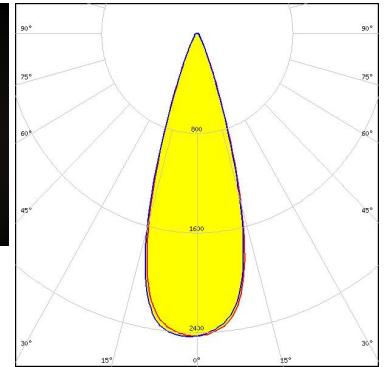
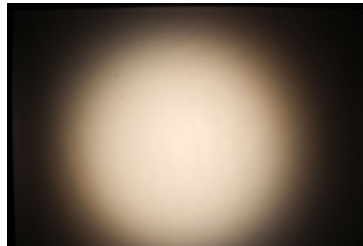
Light distribution files



### OPTICAL RESULTS (MEASURED):



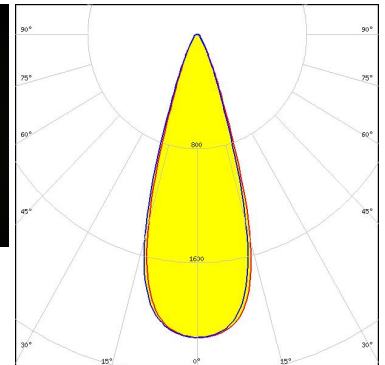
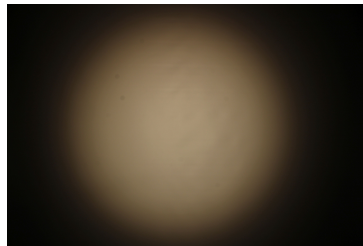
**LED** NVCWJ024Z-V1MT: COB J-Type Tunable White  
**FWHM / FWTM** 33.0° / 51.0°  
**Efficiency** 89 %  
**Peak intensity** 2.4 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**  
 C13658\_CLAMP-VERO13-18  
 Bender Wirth: 498 Typ L2



Light distribution files



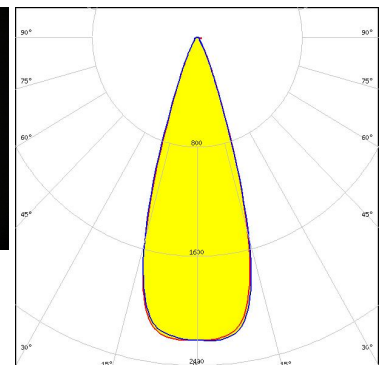
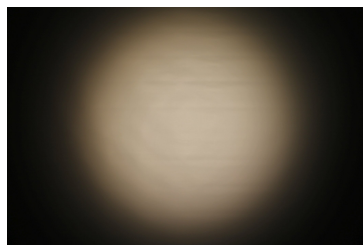
**LED** PrevaLED Core G7 L15 H1  
**FWHM / FWTM** 35.0° / 55.0°  
**Efficiency** 90 %  
**Peak intensity** 2.1 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**  
 C16685\_CLAMP-PRV-A



Light distribution files



**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/type** White  
**Required components:**  
 TE Connectivity: 2213130-2 + OPTIC CLIP Z50 TYPE1 2213194-1

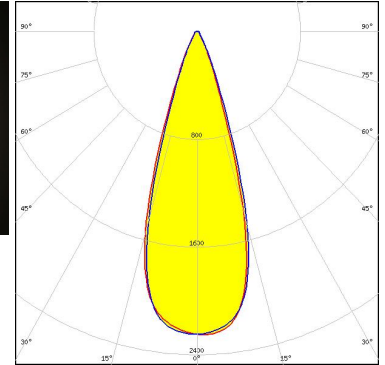
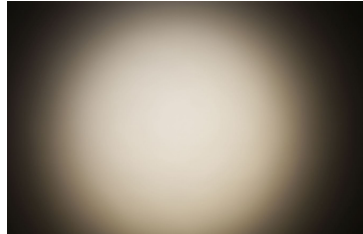


Light distribution files

### OPTICAL RESULTS (MEASURED):

#### PHILIPS

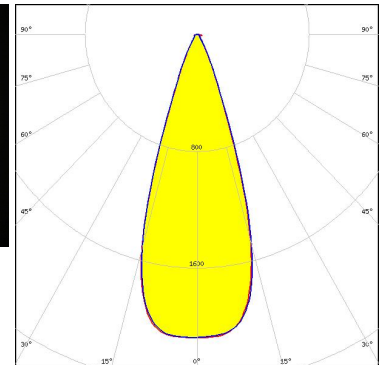
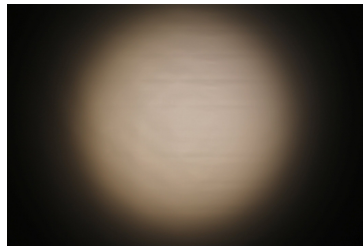
LED Fortimo SLM L15 + SLM holder  
 FWHM / FWTM 34.0° / 53.0°  
 Efficiency 89 %  
 Peak intensity 2.3 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 TE Connectivity: OPTIC CLIP Z50 TYPE1 2213194-1



Light distribution files

#### PHILIPS

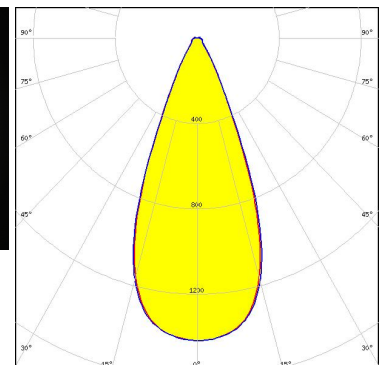
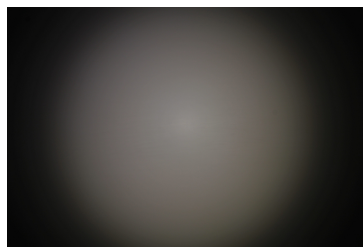
LED Fortimo SLM L15 CoB  
 FWHM / FWTM 36.0° / 54.0°  
 Efficiency 88 %  
 Peak intensity 2.1 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 TE Connectivity: 2213130-2 + OPTIC CLIP Z50 TYPE1 2213194-1



Light distribution files

#### 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/type White  
 Required components:  
 C13584\_CLAMP-VERO29  
 Bender Wirth: 502 Typ L3



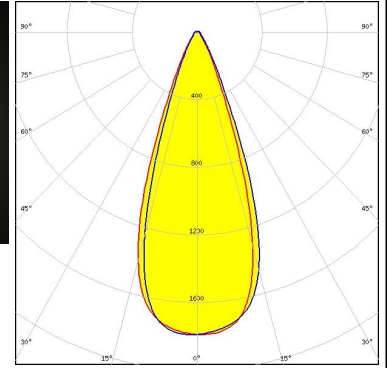
Light distribution files



## OPTICAL RESULTS (MEASURED):

### 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/type White  
Required components:  
C16491\_XTM-ADAPTER-50-A



Light distribution files

### OPTICAL RESULTS (SIMULATED):

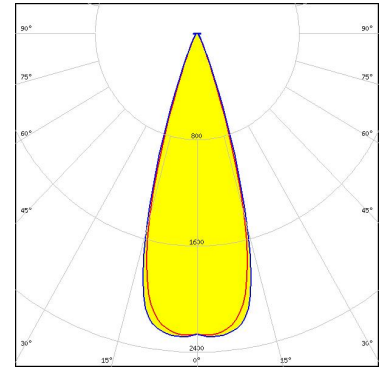


LED V9 HD Gen7  
FWHM / FWTM 32.0° / 44.0°  
Efficiency 90 %  
Peak intensity 3.3 cd/lm  
LEDs/each optic 1  
Light colour/type White

Required components:

C13658\_CLAMP-VERO13-18

Bender Wirth: 496 Typ L1



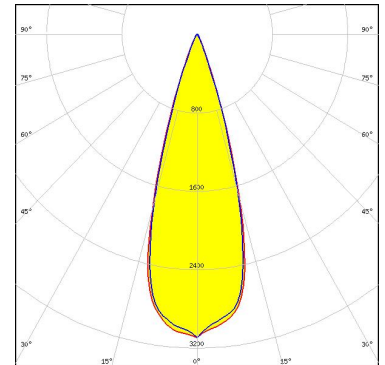
Light distribution files



LED VERO13  
FWHM / FWTM 32.0° / 46.0°  
Efficiency 91 %  
Peak intensity 3.1 cd/lm  
LEDs/each optic 1  
Light colour/type White

Required components:

C13658\_CLAMP-VERO13-18



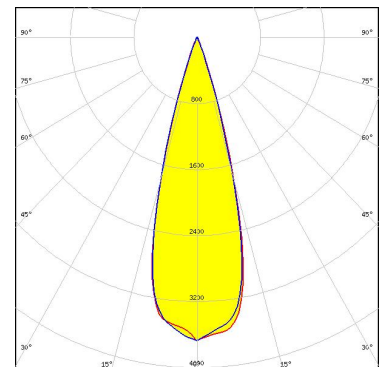
Light distribution files

## 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/type White

Required components:

Bender Wirth: 434 Typ L1

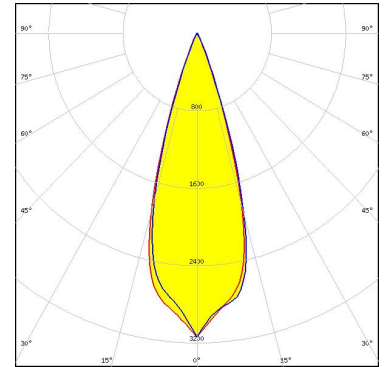


Light distribution files

### OPTICAL RESULTS (SIMULATED):



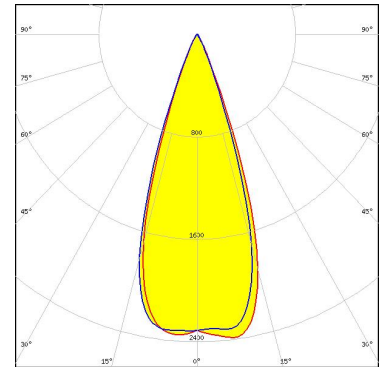
LED CXA/B 1816 & CXA/B 1820 & CXA 1850  
FWHM / FWTM 33.0° / 47.0°  
Efficiency 90 %  
Peak intensity 3.1 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:  
C14123\_CLAMP-CXA15-18



Light distribution files



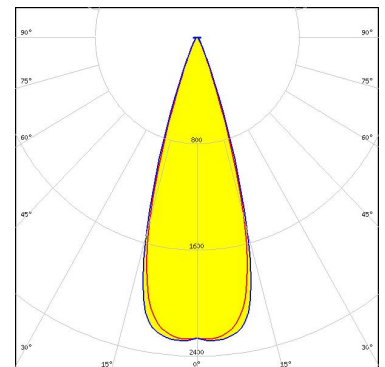
LED CXA/B 25xx  
FWHM / FWTM 36.0° / 50.0°  
Efficiency 88 %  
Peak intensity 2.2 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:  
C14036\_CLAMP\_CXA25-30



Light distribution files



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/type White  
Required components:  
C13658\_CLAMP-VERO13-18



Light distribution files

### 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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