

## MOLLY-S

~25° spot beam

### SPECIFICATION:

Dimensions	Ø 69.8 mm
Height	24.8 mm
ROHS compliant	yes ⓘ

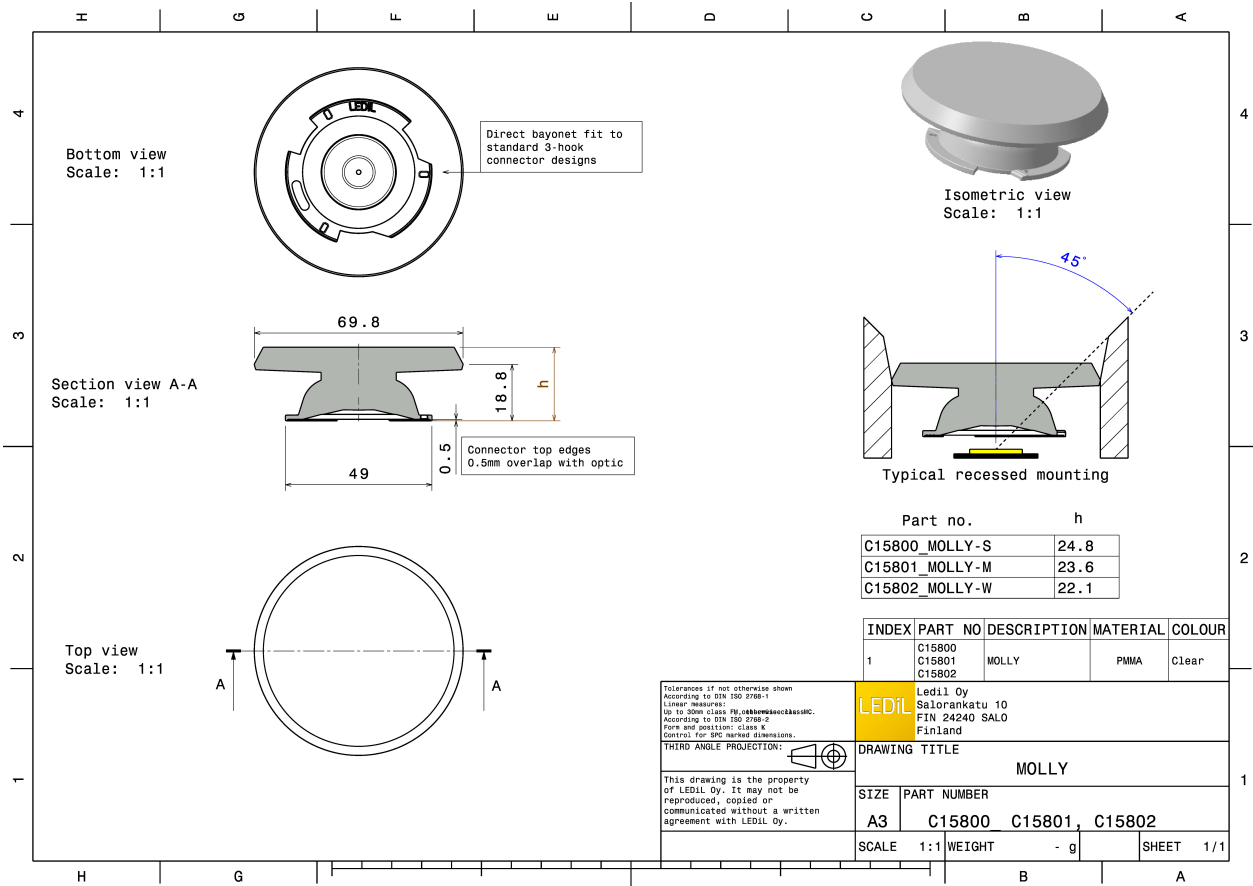
### MATERIALS:

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



### ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
C15800_MOLLY-S » Box size: 480 x 280 x 300 mm	198	36	18	9.7

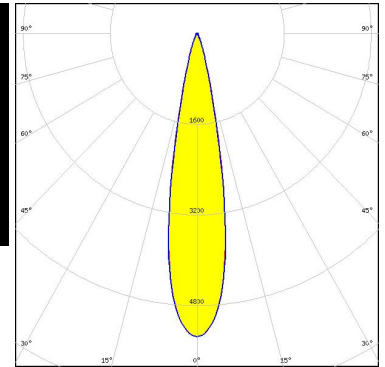


See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)

### OPTICAL RESULTS (MEASURED):



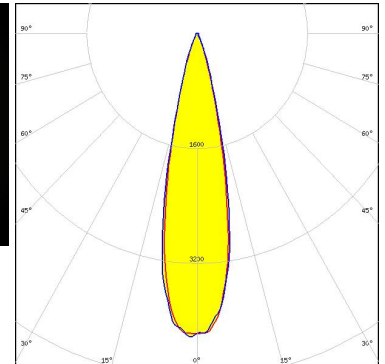
**LED** V11 HD Gen 8  
**FWHM / FWTM** 21.0° / 36.0°  
**Efficiency** 91 %  
**Peak intensity** 5.4 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**  
 Bender Wirth: 633d 3Hook



Light distribution files



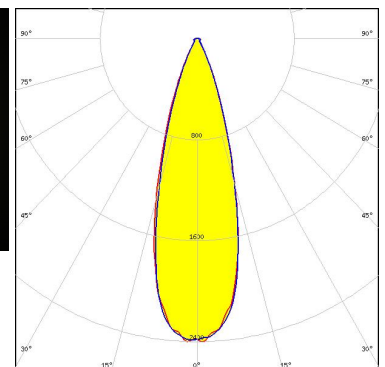
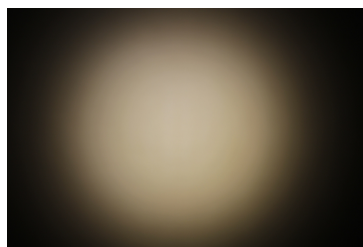
**LED** Vero SE 13  
**FWHM / FWTM** 23.0° / 40.0°  
**Efficiency** 90 %  
**Peak intensity** 4.2 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**  
 C16402\_CLAMP-VEROSE-13-18



Light distribution files



**LED** Vero SE 18  
**FWHM / FWTM** 31.0° / 54.0°  
**Efficiency** 88 %  
**Peak intensity** 2.4 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**  
 C16402\_CLAMP-VEROSE-13-18

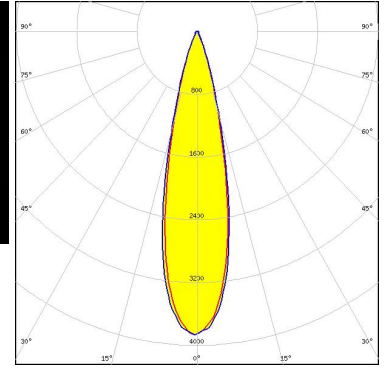


Light distribution files

### OPTICAL RESULTS (MEASURED):

#### CITIZEN

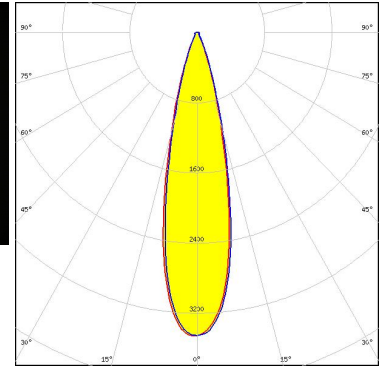
LED CLL03x/CLU03x  
FWHM / FWTM 23.0° / 42.0°  
Efficiency 87 %  
Peak intensity 3.9 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:  
C13658\_CLAMP-VERO13-18  
Bender Wirth: 433 Typ L1



Light distribution files

#### CITIZEN

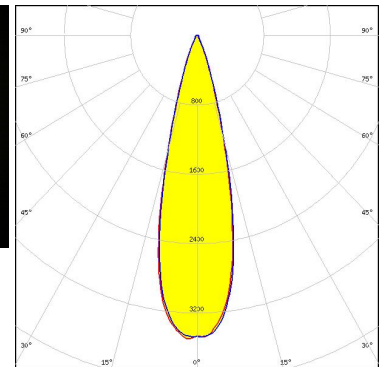
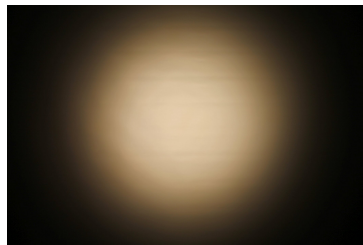
LED CLL03x/CLU03x  
FWHM / FWTM 24.0° / 45.0°  
Efficiency 88 %  
Peak intensity 3.5 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:  
C16791\_CLAMP-Z45-A  
TE Connectivity: 2325807-3



Light distribution files



LED CMA1840  
FWHM / FWTM 26.0° / 44.0°  
Efficiency 91 %  
Peak intensity 3.5 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:  
C14123\_CLAMP-CXA15-18

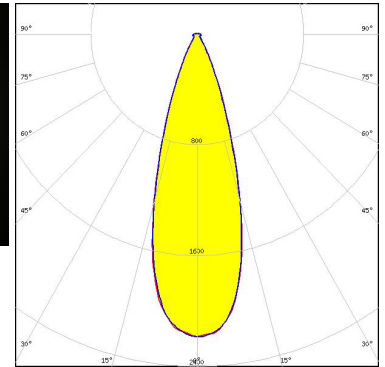
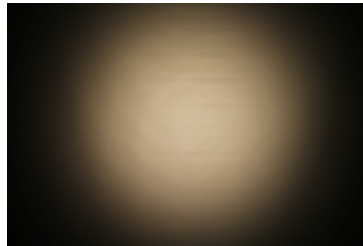


Light distribution files

### OPTICAL RESULTS (MEASURED):



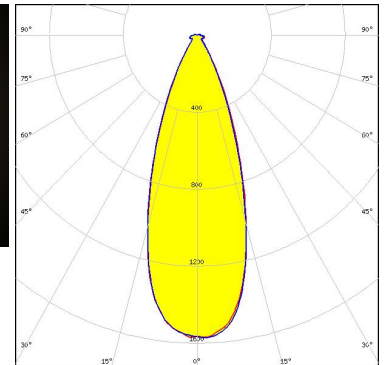
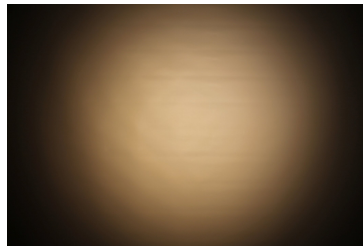
LED CMA2550  
 FWHM / FWTM 32.0° / 56.0°  
 Efficiency 89 %  
 Peak intensity 2.2 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C14036\_CLAMP\_CXA25-30



Light distribution files



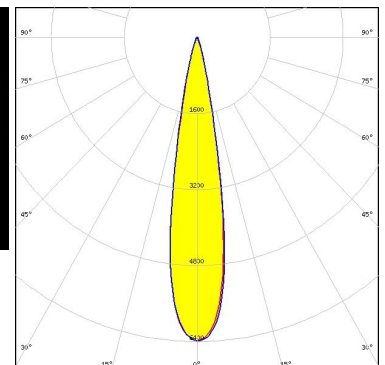
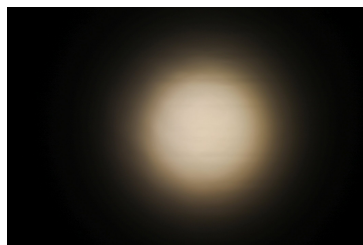
LED CMA3090  
 FWHM / FWTM 37.0° / 64.0°  
 Efficiency 86 %  
 Peak intensity 1.6 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C14036\_CLAMP\_CXA25-30



Light distribution files



LED CMT14xx  
 FWHM / FWTM 19.0° / 32.0°  
 Efficiency 90 %  
 Peak intensity 6.4 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C13658\_CLAMP-VERO13-18  
 Bender Wirth: 434 Typ L1

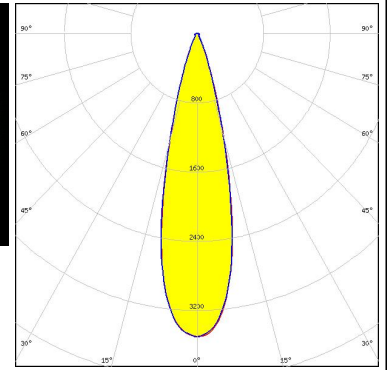
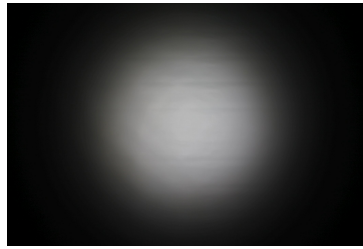


Light distribution files

### OPTICAL RESULTS (MEASURED):



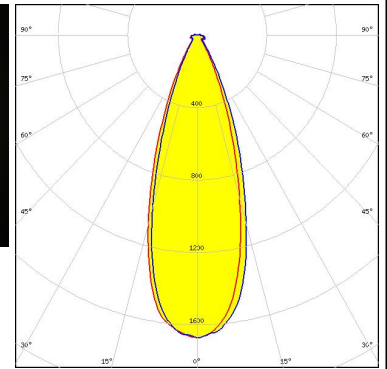
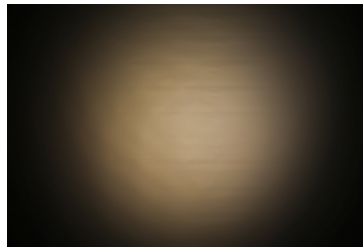
**LED** CMT19xx  
**FWHM / FWTM** 26.0° / 44.0°  
**Efficiency** 90 %  
**Peak intensity** 3.5 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**  
 C13658\_CLAMP-VERO13-18  
 Bender Wirth: 477 Typ L1



Light distribution files



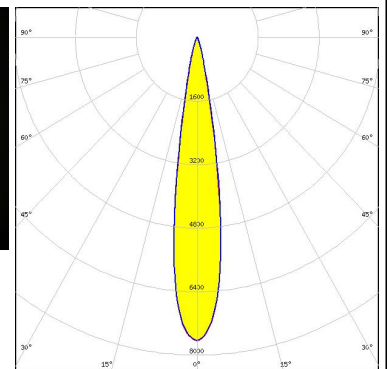
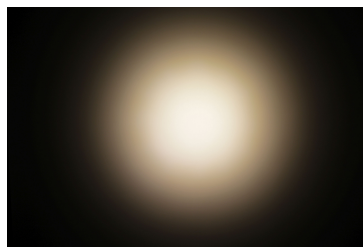
**LED** CMT28xx  
**FWHM / FWTM** 35.0° / 61.0°  
**Efficiency** 85 %  
**Peak intensity** 1.7 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**  
 C13584\_CLAMP-VERO29  
 Bender Wirth: 471 Typ L3



Light distribution files



**LED** CXA/B 15xx  
**FWHM / FWTM** 17.0° / 30.0°  
**Efficiency** 91 %  
**Peak intensity** 7.6 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**  
 C14123\_CLAMP-CXA15-18



Light distribution files

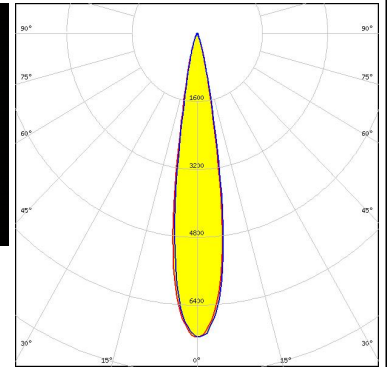
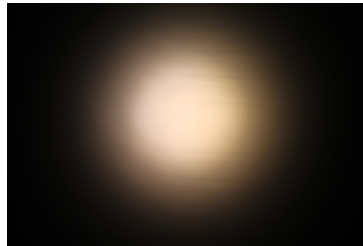
### OPTICAL RESULTS (MEASURED):



LED LUXEON CoB 1204HD  
 FWHM / FWTM 18.0° / 31.0°  
 Efficiency 89 %  
 Peak intensity 7.1 cd/lm  
 LEDs/each optic 1  
 Light colour/type White

Required components:

TE Connectivity: 2213382-2 + OPTIC CLIP Z50 TYPE1 2213194-1



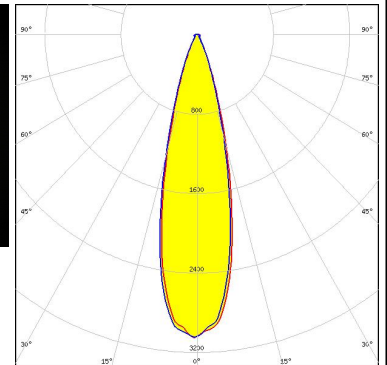
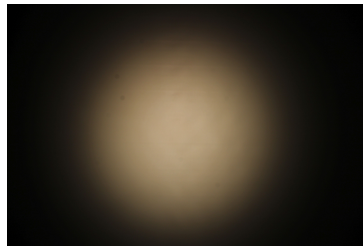
Light distribution files



LED PrevaLED Core G7 L15 H1  
 FWHM / FWTM 26.0° / 48.0°  
 Efficiency 89 %  
 Peak intensity 3.1 cd/lm  
 LEDs/each optic 1  
 Light colour/type White

Required components:

C16685\_CLAMP-PRV-A



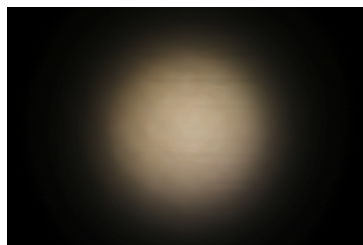
Light distribution files



LED Fortimo SLM L13 CoB  
 FWHM / FWTM 24.0° / 42.0°  
 Efficiency 89 %  
 Peak intensity 3.9 cd/lm  
 LEDs/each optic 1  
 Light colour/type White

Required components:

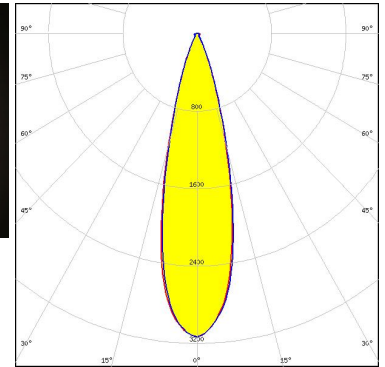
TE Connectivity: 2213130-2 + OPTIC CLIP Z50 TYPE1 2213194-1



### OPTICAL RESULTS (MEASURED):

#### PHILIPS

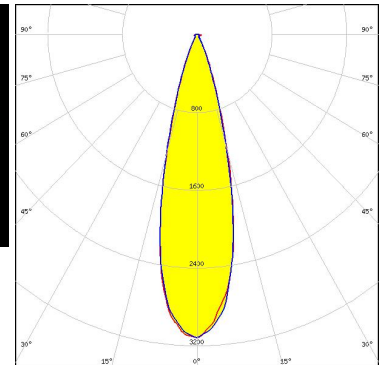
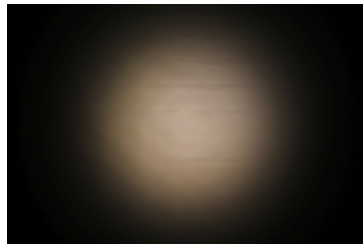
LED Fortimo SLM L15 + SLM holder  
 FWHM / FWTM 26.0° / 47.0°  
 Efficiency 88 %  
 Peak intensity 3.1 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 TE Connectivity: OPTIC CLIP Z50 TYPE1 2213194-1



Light distribution files

#### PHILIPS

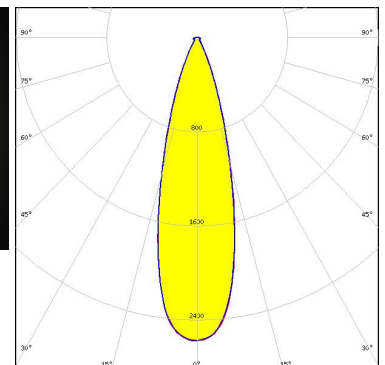
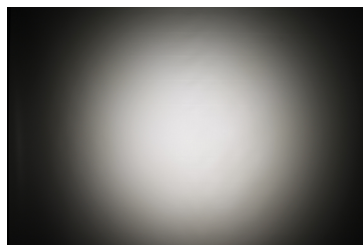
LED Fortimo SLM L15 CoB  
 FWHM / FWTM 27.0° / 47.0°  
 Efficiency 88 %  
 Peak intensity 3.1 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 TE Connectivity: 2213130-2 + OPTIC CLIP Z50 TYPE1 2213194-1



Light distribution files

#### XICATO

LED XTM - 19mm LES  
 FWHM / FWTM 28.0° / 52.0°  
 Efficiency 89 %  
 Peak intensity 2.6 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C16491\_XTM-ADAPTER-50-A



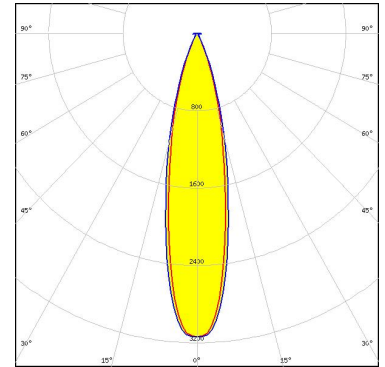
Light distribution files



### OPTICAL RESULTS (SIMULATED):



**LED** V9 HD Gen7  
**FWHM / FWTM** 16.0° / 26.0°  
**Efficiency** 91 %  
**Peak intensity** 10.8 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**  
 C13658\_CLAMP-VERO13-18

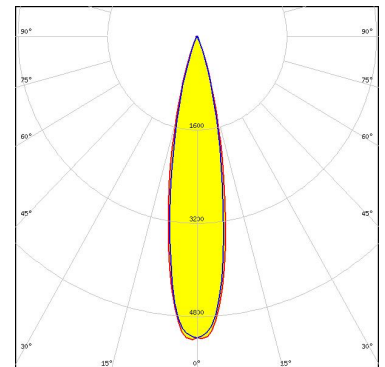


Bender Wirth: 496 Typ L1

Light distribution files



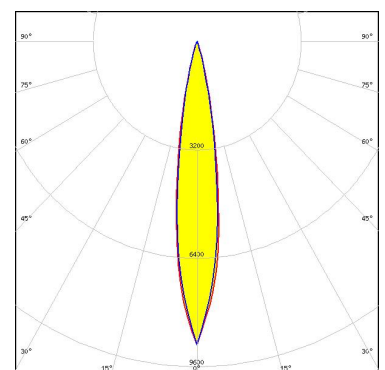
**LED** VERO13  
**FWHM / FWTM** 21.0° / 39.0°  
**Efficiency** 90 %  
**Peak intensity** 5.2 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**  
 C13658\_CLAMP-VERO13-18



Light distribution files

### CITIZEN

**LED** CLL02x/CLU02x (LES10)  
**FWHM / FWTM** 16.0° / 30.0°  
**Efficiency** 87 %  
**Peak intensity** 8.8 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**  
 C13658\_CLAMP-VERO13-18



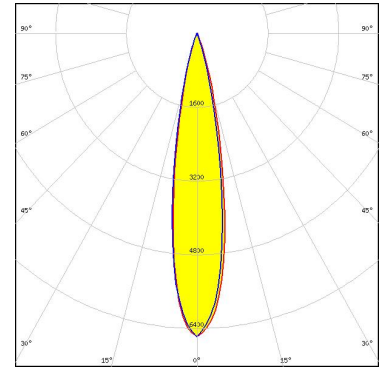
Bender Wirth: 434 Typ L1

Light distribution files

### OPTICAL RESULTS (SIMULATED):



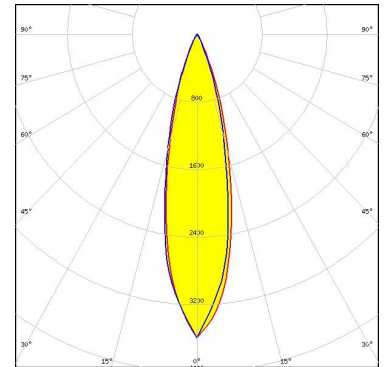
**LED** CXA/B 1816 & CXA/B 1820 & CXA 1850  
**FWHM / FWTM** 19.0° / 34.0°  
**Efficiency** 89 %  
**Peak intensity** 6.5 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**  
 C14123\_CLAMP-CXA15-18



Light distribution files



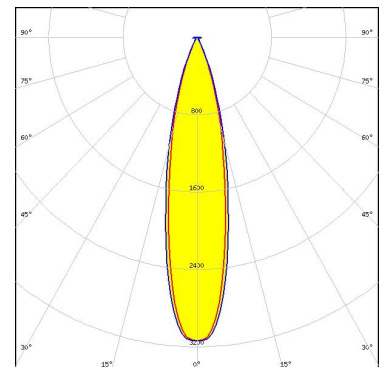
**LED** CXA/B 25xx  
**FWHM / FWTM** 25.0° / 47.0°  
**Efficiency** 85 %  
**Peak intensity** 3.5 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**  
 C14036\_CLAMP\_CXA25-30



Light distribution files



**LED** LUXEON CoB 1205HD  
**FWHM / FWTM** 19.0° / 33.0°  
**Efficiency** 86 %  
**Peak intensity** 6.8 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**  
 C13658\_CLAMP-VERO13-18



Light distribution files

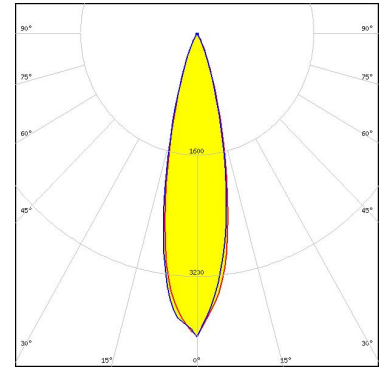
Bender Wirth: 480 Typ L1

### OPTICAL RESULTS (SIMULATED):



LED LUXEON CoB 1208  
FWHM / FWTM 24.0° / 44.0°  
Efficiency 87 %  
Peak intensity 4 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

Bender Wirth: 632a 3Hook

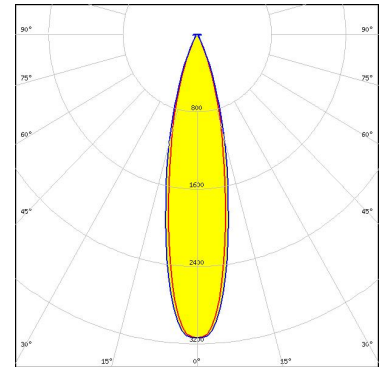


Light distribution files



LED CTM-18 (Tunable White)  
FWHM / FWTM 23.0° / 47.0°  
Efficiency 78 %  
Peak intensity 3.1 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.

### 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

Poznan, Poland  
Hong Kong, China

#### Distribution Partners

[www.ledil.com/  
where\\_to\\_buy](http://www.ledil.com/where_to_buy)