

## STELLA-HB

~75° high bay beam for warehouse and outdoor lighting. Compatible with up to 30 mm LES size. Variant with black frame. COBs.

### SPECIFICATION:

Dimensions	Ø 90.0
Height	19.5 mm
Fastening	screw
Ingress protection classes	IP67
ROHS compliant	yes ⓘ

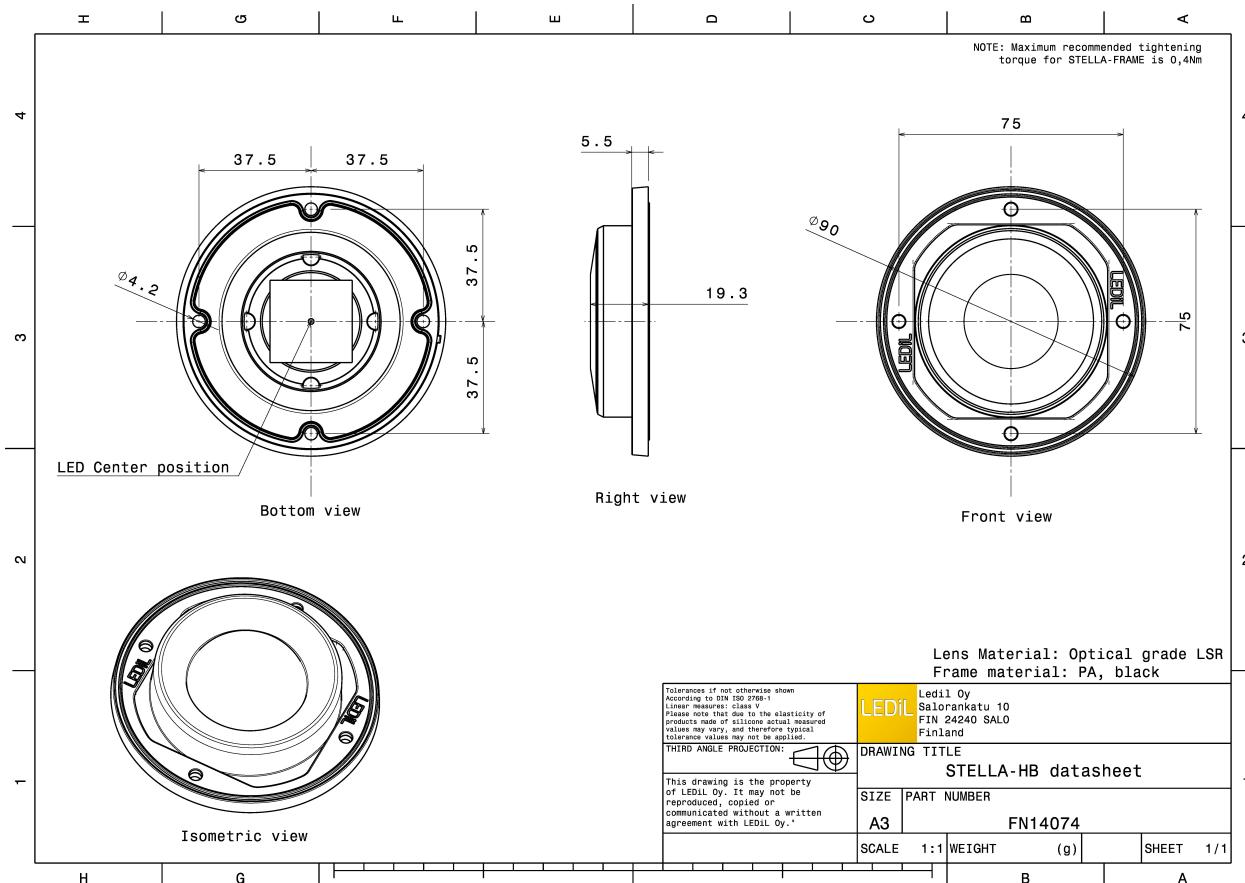


### MATERIALS:

Component	Type	Material	Colour	Finish	Length (mm)
STELLA-FRAME	Holder	PA66	black		
STELLA-HB	Single lens	Silicone	clear		

### ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
FN14074_STELLA-HB » Box size: 480 x 280 x 300 mm	Single lens	135	135	15

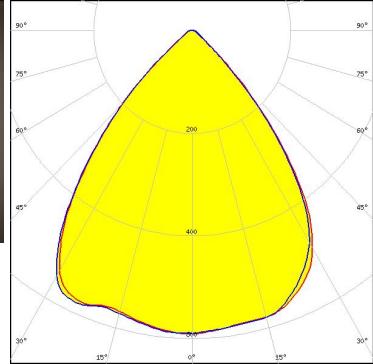


See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)

## OPTICAL RESULTS (MEASURED):



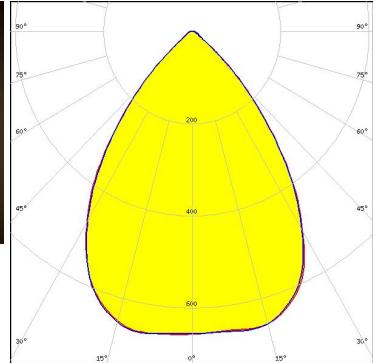
**LED** V18 Gen7  
**FWHM / FWTM** 80.0° / 101.0°  
**Efficiency** 93 %  
**Peak intensity** 0.6 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**



Light distribution files



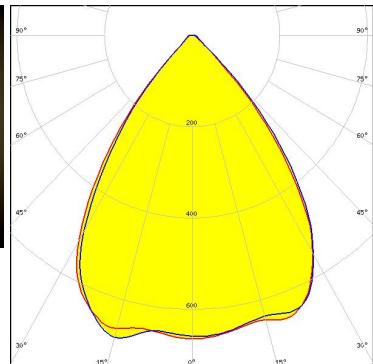
**LED** V22 Gen7  
**FWHM / FWTM** 75.0° / 101.0°  
**Efficiency** 93 %  
**Peak intensity** 0.7 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**



Light distribution files



**LED** VERO18  
**FWHM / FWTM** 75.0° / 96.0°  
**Efficiency** 93 %  
**Peak intensity** 0.7 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**

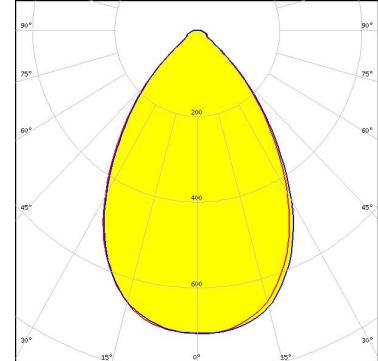


Light distribution files

## OPTICAL RESULTS (MEASURED):



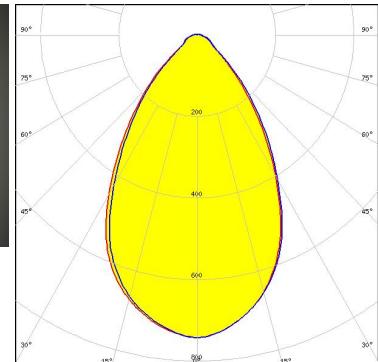
LED VERO29  
 FWHM / FWTM 69.0° / 104.0°  
 Efficiency 94 %  
 Peak intensity 0.7 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files

## CITIZEN

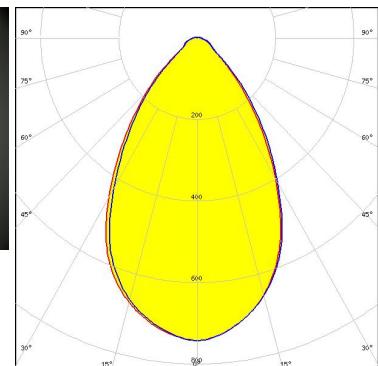
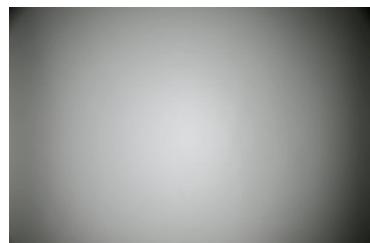
LED CLL05x/CLU05x  
 FWHM / FWTM 65.0° / 103.0°  
 Efficiency 94 %  
 Peak intensity 0.7 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 Bender Wirth: 458 Typ L4



Light distribution files

## CITIZEN

LED CLL05x/CLU05x  
 FWHM / FWTM 73.0° / 110.0°  
 Efficiency 93 %  
 Peak intensity 0.6 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

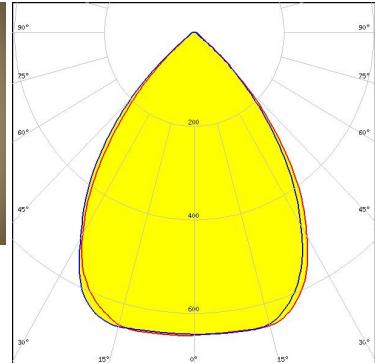


Light distribution files

## OPTICAL RESULTS (MEASURED):

### CITIZEN

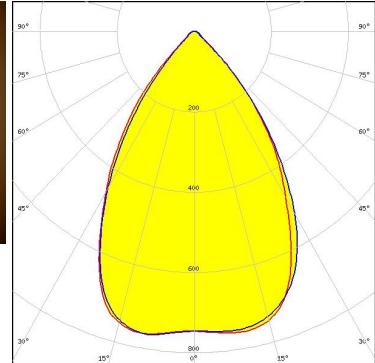
LED CLU04x  
 FWHM / FWTM 77.0° / 101.0°  
 Efficiency 94 %  
 Peak intensity 0.7 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files

### CITIZEN

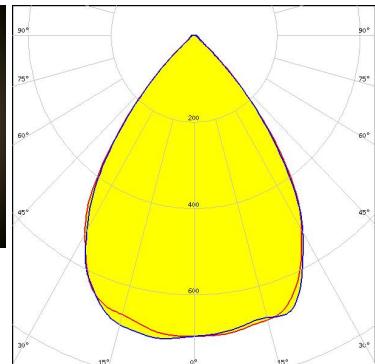
LED CLU04x  
 FWHM / FWTM 68.0° / 94.0°  
 Efficiency 93 %  
 Peak intensity 0.8 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files

### CREE LEDs

LED CMA2550  
 FWHM / FWTM 74.0° / 96.0°  
 Efficiency 94 %  
 Peak intensity 0.7 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

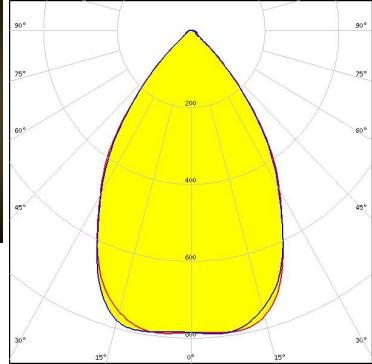


Light distribution files

## OPTICAL RESULTS (MEASURED):



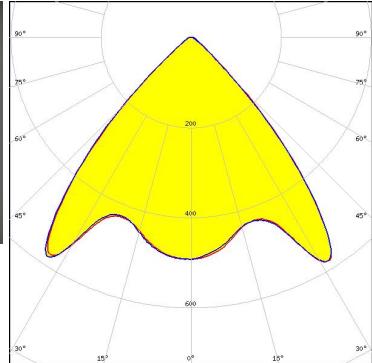
**LED** CMA3090  
**FWHM / FWTM** 67.0° / 96.0°  
**Efficiency** 96 %  
**Peak intensity** 0.8 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**



Light distribution files



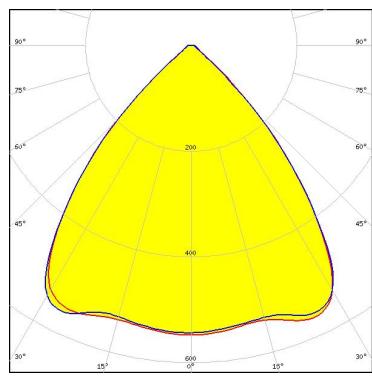
**LED** CXA/B 1816 & CXA/B 1820 & CXA 1850  
**FWHM / FWTM** 87.0° / 104.0°  
**Efficiency** 93 %  
**Peak intensity** 0.6 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**



Light distribution files



**LED** CXA/B 25xx  
**FWHM / FWTM** 83.0° / 102.0°  
**Efficiency** 93 %  
**Peak intensity** 0.6 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**

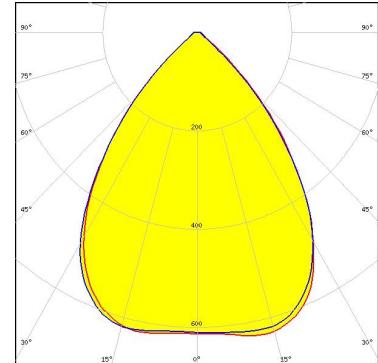


Light distribution files

## OPTICAL RESULTS (MEASURED):



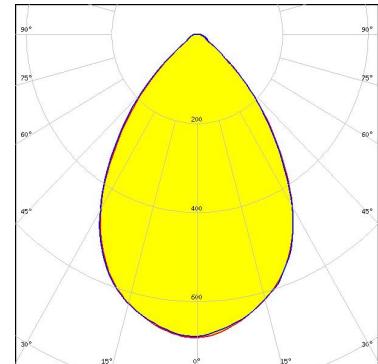
LED CXA/B 30xx  
 FWHM / FWTM 78.0° / 103.0°  
 Efficiency 93 %  
 Peak intensity 0.6 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



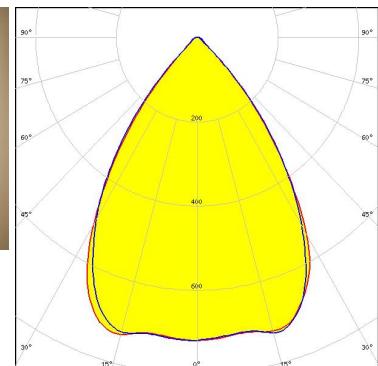
LED CXA/B 3590  
 FWHM / FWTM 72.0° / 106.0°  
 Efficiency 93 %  
 Peak intensity 0.7 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



LED LUXEON CoB 1211  
 FWHM / FWTM 71.0° / 93.0°  
 Efficiency 93 %  
 Peak intensity 0.7 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

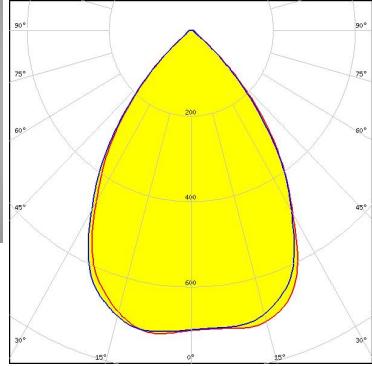


Light distribution files

## OPTICAL RESULTS (MEASURED):



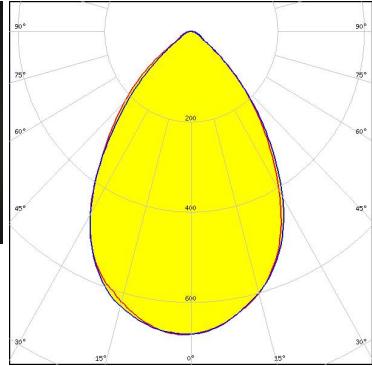
LED LUXEON CoB 1213/1216/1812  
 FWHM / FWTM 72.0° / 99.0°  
 Efficiency 94 %  
 Peak intensity 0.7 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



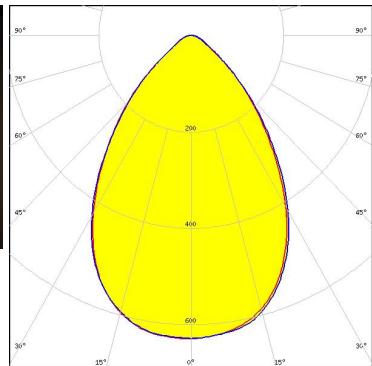
LED LUXEON CoB 1321  
 FWHM / FWTM 71.0° / 108.0°  
 Efficiency 94 %  
 Peak intensity 0.7 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



LED LUXEON CoB 1825  
 FWHM / FWTM 72.0° / 111.0°  
 Efficiency 93 %  
 Peak intensity 0.6 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

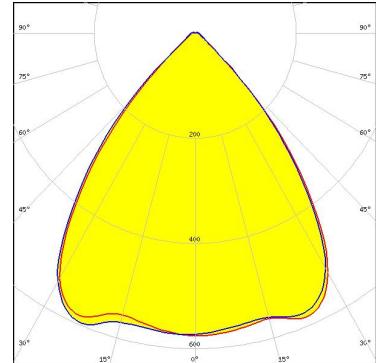


Light distribution files

## OPTICAL RESULTS (MEASURED):



LED CxM-18 (21.5x21.5)  
 FWHM / FWTM 80.0° / 100.0°  
 Efficiency 93 %  
 Peak intensity 0.6 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



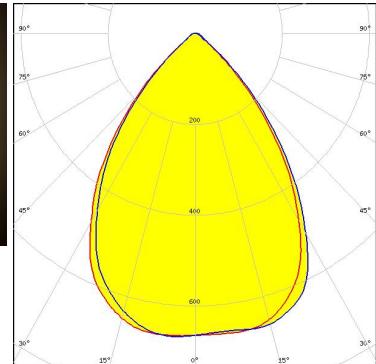
LED CxM-22 (28x28)  
 FWHM / FWTM 73.0° / 100.0°  
 Efficiency 93 %  
 Peak intensity 0.7 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



LED COB H-Type  
 FWHM / FWTM 74.0° / 102.0°  
 Efficiency 94 %  
 Peak intensity 0.7 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

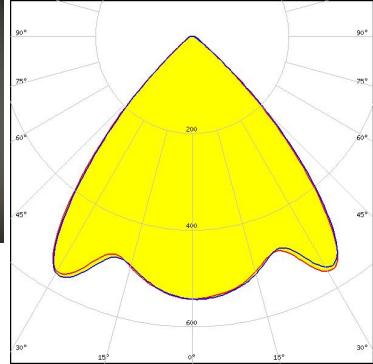


Light distribution files

## OPTICAL RESULTS (MEASURED):



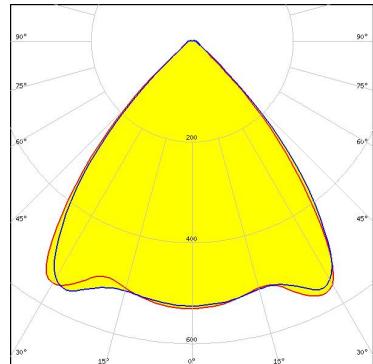
LED COB J-Type  
 FWHM / FWTM 84.0° / 102.0°  
 Efficiency 94 %  
 Peak intensity 0.6 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



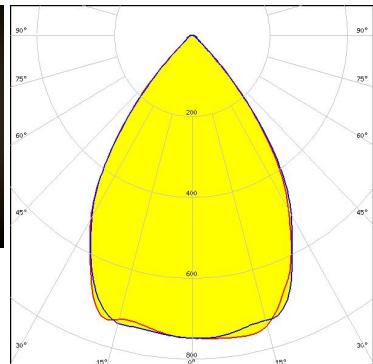
LED Soleriq S19  
 FWHM / FWTM 84.0° / 101.0°  
 Efficiency 92 %  
 Peak intensity 0.6 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



LED Fortimo SLM L19 CoB  
 FWHM / FWTM 71.0° / 94.0°  
 Efficiency 94 %  
 Peak intensity 0.8 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 Bender Wirth: 431 Typ L4



Light distribution files

## OPTICAL RESULTS (MEASURED):

### PHILIPS

LED Fortimo SLM L23 CoB

FWHM / FWTM 67.0° / 96.0°

Efficiency 94 %

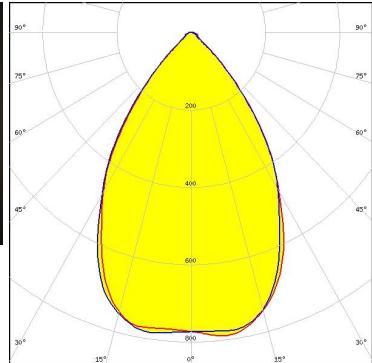
Peak intensity 0.8 cd/lm

LEDs/each optic 1

Light colour/type White

Required components:

Bender Wirth: 431 Typ L4



Light distribution files

### SAMSUNG

LED LC016D / LC019D / LC026D / LC033D

FWHM / FWTM 83.0° / 101.0°

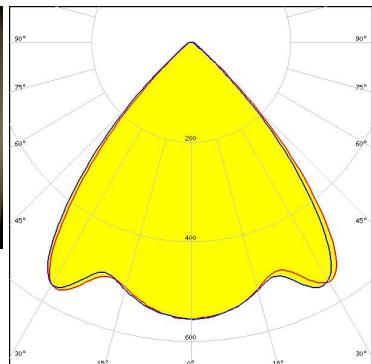
Efficiency 93 %

Peak intensity 0.6 cd/lm

LEDs/each optic 1

Light colour/type White

Required components:



Light distribution files

### SAMSUNG

LED LC040D / LC060D / LC080D

FWHM / FWTM 76.0° / 102.0°

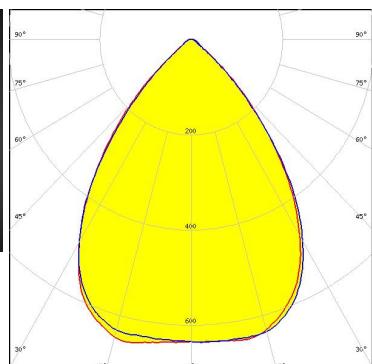
Efficiency 93 %

Peak intensity 0.7 cd/lm

LEDs/each optic 1

Light colour/type White

Required components:

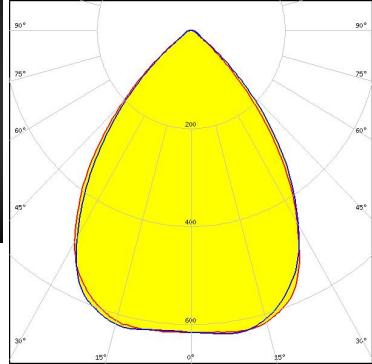


Light distribution files

## OPTICAL RESULTS (MEASURED):

### SAMSUNG

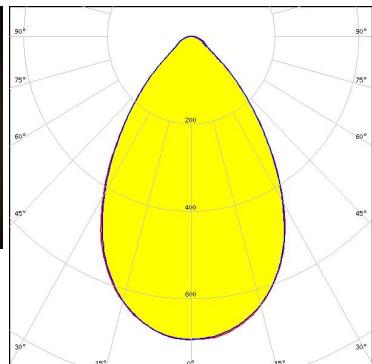
LED LC040D / LC060D / LC080D  
 FWHM / FWTM 77.0° / 104.0°  
 Efficiency 93 %  
 Peak intensity 0.6 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files

### SEoul SEMICONDUCTOR

LED MJT COB LES 33  
 FWHM / FWTM 68.0° / 106.0°  
 Efficiency 93 %  
 Peak intensity 0.7 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 Bender Wirth: 458 Typ L4

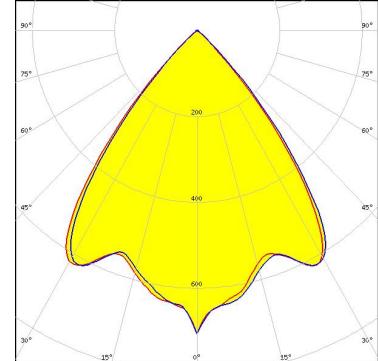


Light distribution files

## OPTICAL RESULTS (SIMULATED):



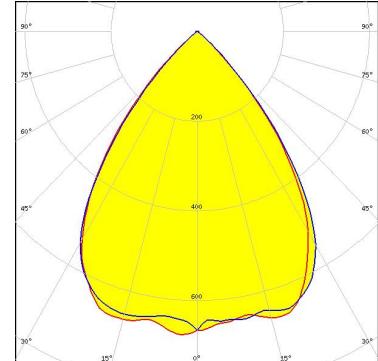
**LED** V13 Gen 8-9  
**FWHM / FWTM** 78.0° / 94.0°  
**Efficiency** 91 %  
**Peak intensity** 0.7 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**



Light distribution files



**LED** V18 Gen 8-9  
**FWHM / FWTM** 76.0° / 96.0°  
**Efficiency** 90 %  
**Peak intensity** 0.7 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**

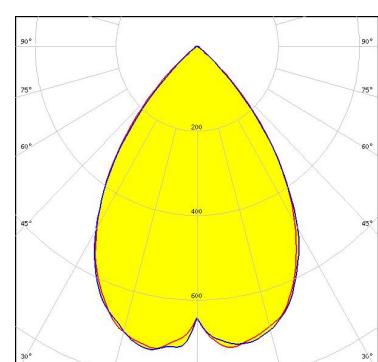


Bender Wirth: 462 Typ L4

Light distribution files



**LED** V22 Gen 8-9  
**FWHM / FWTM** 72.0° / 97.0°  
**Efficiency** 90 %  
**Peak intensity** 0.7 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**



Bender Wirth: 431 Typ L4

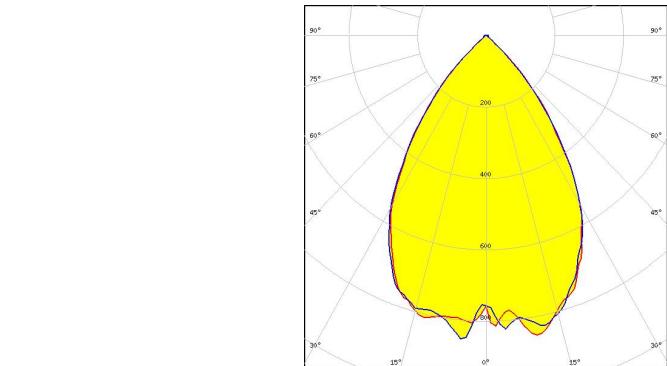
Light distribution files

## OPTICAL RESULTS (SIMULATED):



**LED** V22 Gen7  
**FWHM / FWTM** 68.0° / 92.0°  
**Efficiency** 94 %  
**Peak intensity** 0.9 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**

Bender Wirth: 431 Typ L4

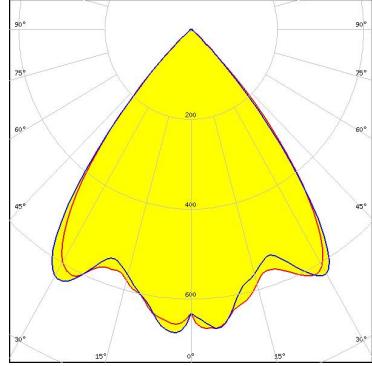


[Light distribution files](#)



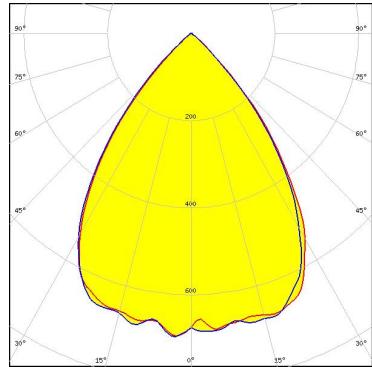
**LED** Vesta TW 13mm (18W) DP  
**FWHM / FWTM** 78.0° / 93.0°  
**Efficiency** 91 %  
**Peak intensity** 0.7 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** Tunable White  
**Required components:**

[Light distribution files](#)



**LED** Vesta TW 18mm (31W) DP  
**FWHM / FWTM** 75.0° / 96.0°  
**Efficiency** 91 %  
**Peak intensity** 0.7 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** Tunable White  
**Required components:**

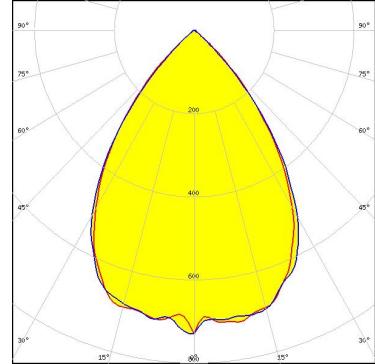
[Light distribution files](#)



## OPTICAL RESULTS (SIMULATED):



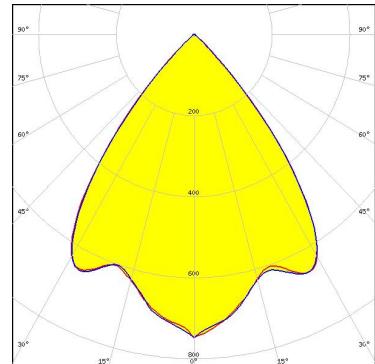
LED Vesta TW 22mm DP  
 FWHM / FWTM 72.0° / 97.0°  
 Efficiency 91 %  
 Peak intensity 0.7 cd/lm  
 LEDs/each optic 1  
 Light colour/type Tunable White  
 Required components:



Light distribution files

## CITIZEN

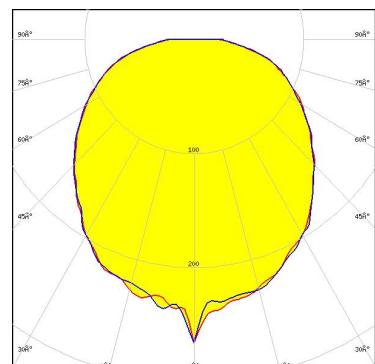
LED CLU03x  
 FWHM / FWTM 76.0° / 93.0°  
 Efficiency 96 %  
 Peak intensity 0.7 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



LED CMA1303  
 FWHM / FWTM 106.0° / 177.0°  
 Efficiency 75 %  
 Peak intensity 0.3 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

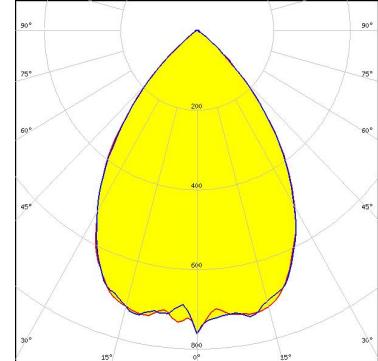


Light distribution files

## OPTICAL RESULTS (SIMULATED):



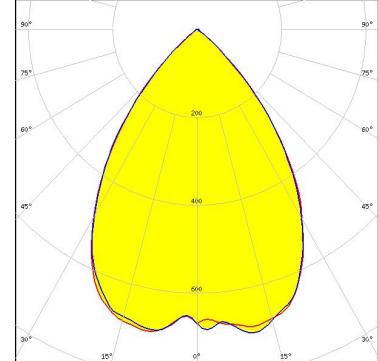
LED CMA3090  
 FWHM / FWTM 73.0° / 100.0°  
 Efficiency 94 %  
 Peak intensity 0.8 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



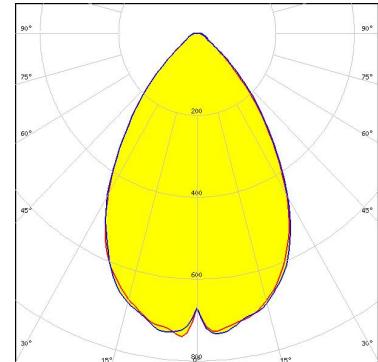
LED CMT28xx  
 FWHM / FWTM 73.0° / 98.0°  
 Efficiency 91 %  
 Peak intensity 0.7 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



LED CXM-32  
 FWHM / FWTM 68.0° / 104.0°  
 Efficiency 96 %  
 Peak intensity 0.7 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

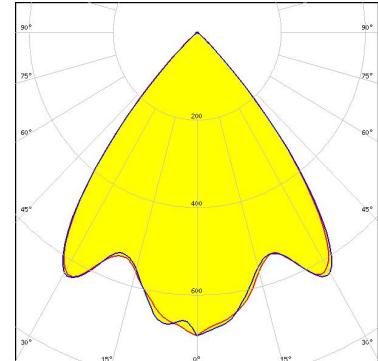


Light distribution files

## OPTICAL RESULTS (SIMULATED):

### PHILIPS

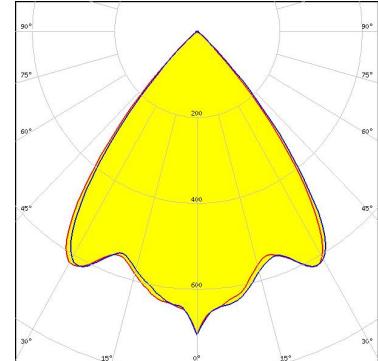
LED Fortimo SLM L13 CoB  
 FWHM / FWTM 78.0° / 92.0°  
 Efficiency 91 %  
 Peak intensity 0.7 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files

### TRIDONIC

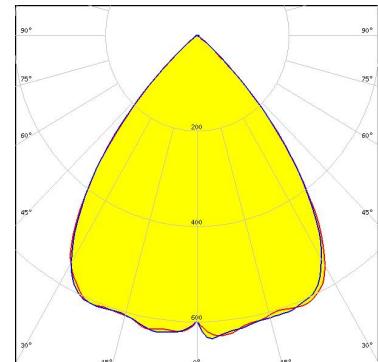
LED SLE 13mm 3000lm xxx R ADV8  
 FWHM / FWTM 82.0° / 96.0°  
 Efficiency 91 %  
 Peak intensity 0.6 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files

### TRIDONIC

LED SLE 17mm 5000lm xxx R ADV8  
 FWHM / FWTM 78.0° / 98.0°  
 Efficiency 91 %  
 Peak intensity 0.6 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Bender Wirth: 466 Typ L4

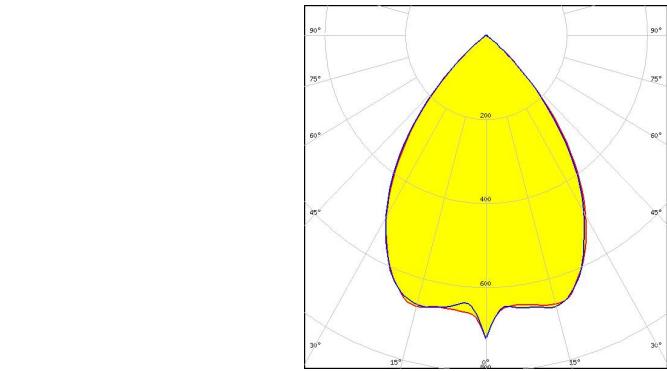
Light distribution files

## OPTICAL RESULTS (SIMULATED):

### TRIDONIC

LED SLE 21mm 6000lm xxx R ADV8  
FWHM / FWTM 73.0° / 99.0°  
Efficiency 91 %  
Peak intensity 0.7 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

Bender Wirth: 466 Typ L4



[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:

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