

## 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 ⓘ

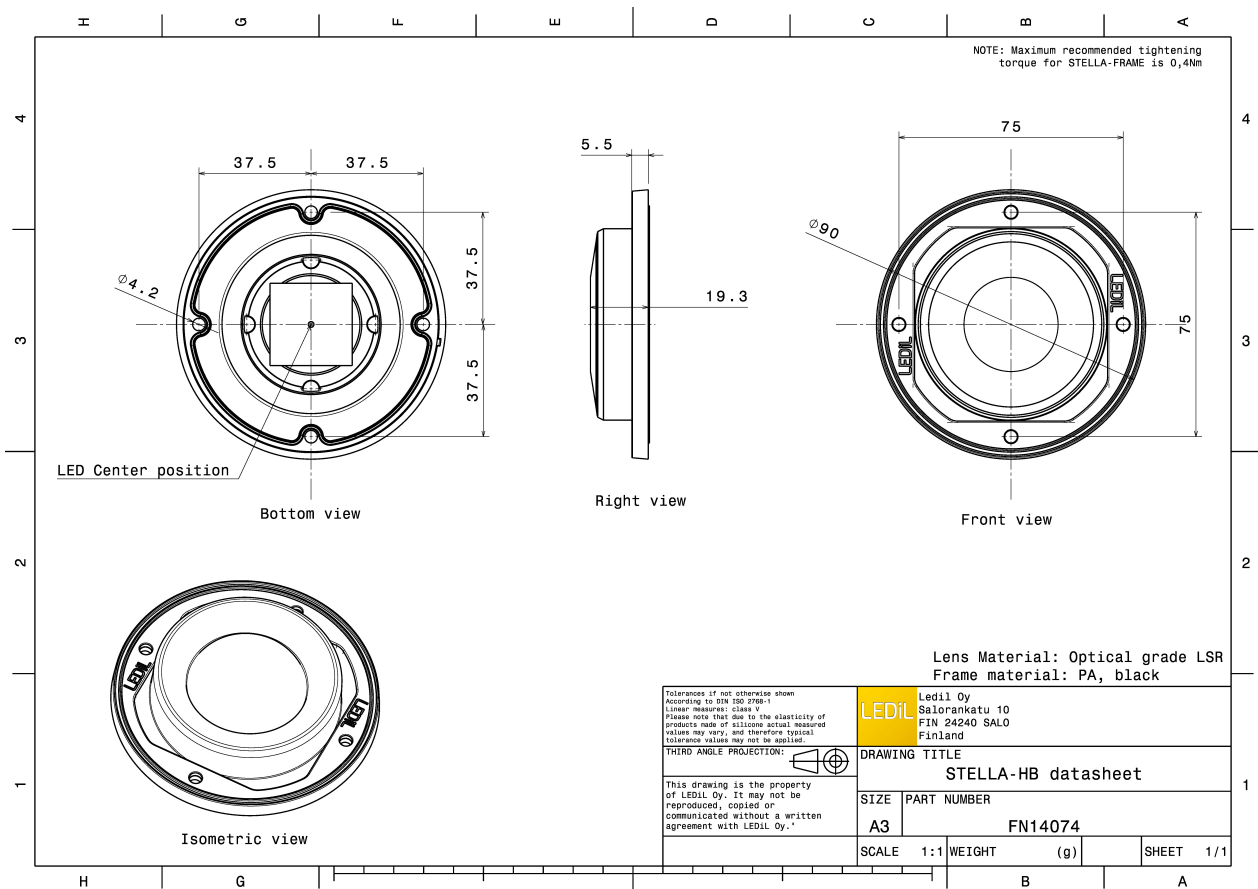


## MATERIALS:

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	Single lens	135	135	15	7.9
» Box size: 480 x 280 x 300 mm					

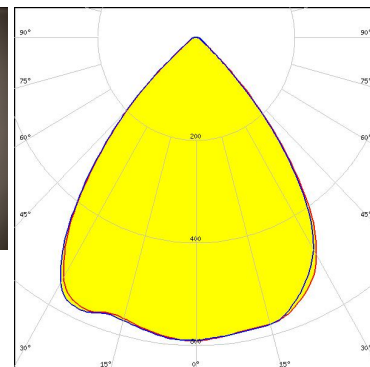
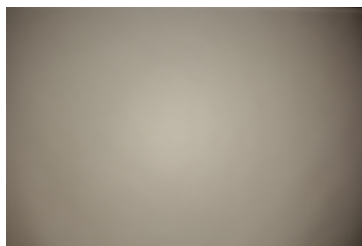


See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)

### OPTICAL RESULTS (MEASURED):



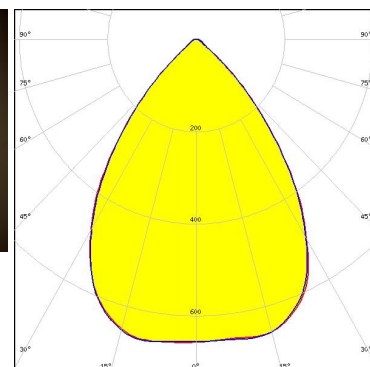
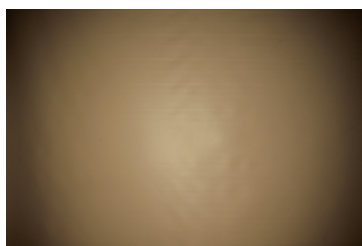
LED V18 Gen7  
FWHM / FWTM 80.0° / 101.0°  
Efficiency 93 %  
Peak intensity 0.6 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



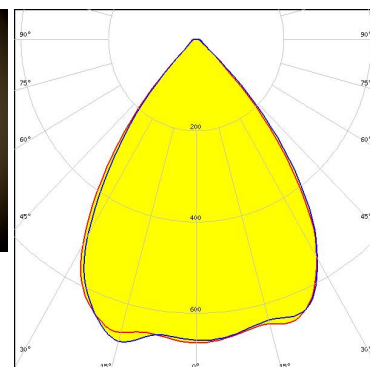
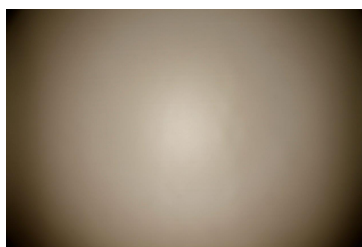
LED V22 Gen7  
FWHM / FWTM 75.0° / 101.0°  
Efficiency 93 %  
Peak intensity 0.7 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



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:

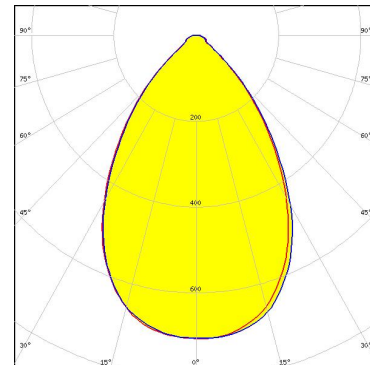


Light distribution files

### OPTICAL RESULTS (MEASURED):



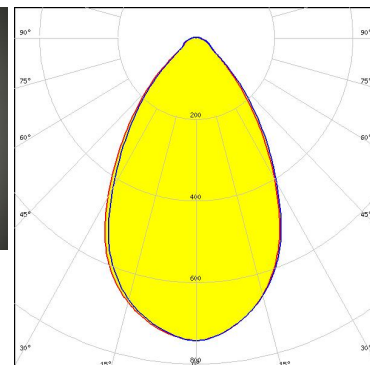
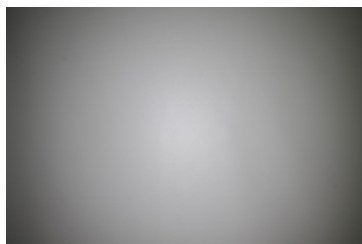
LED VERO29  
FWHM / FWTM 69.0° / 104.0°  
Efficiency 94 %  
Peak intensity 0.7 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files

### CITIZEN

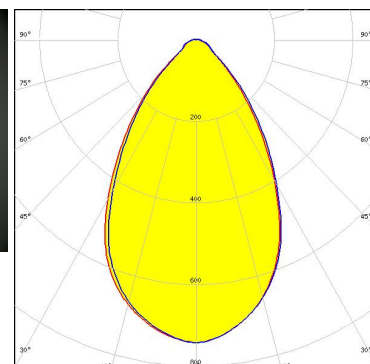
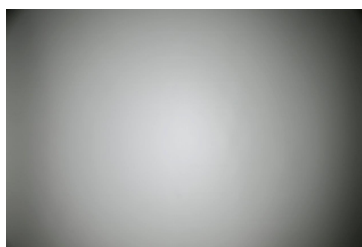
LED CLL05x/CLU05x  
FWHM / FWTM 65.0° / 103.0°  
Efficiency 94 %  
Peak intensity 0.7 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:  
Bender Wirth: 458 Typ L4



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:



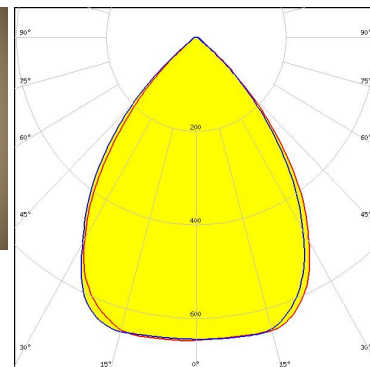
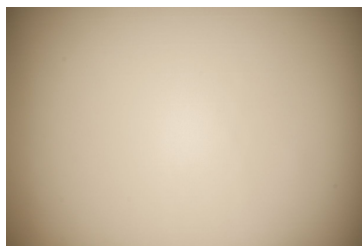
Light distribution files



### OPTICAL RESULTS (MEASURED):

#### CITIZEN

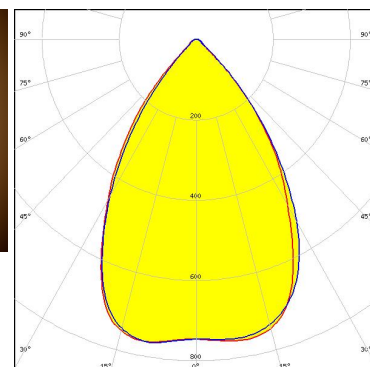
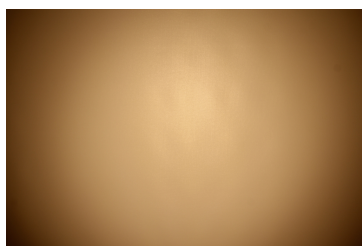
LED CLU04x  
FWHM / FWTM 77.0° / 101.0°  
Efficiency 94 %  
Peak intensity 0.7 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files

#### CITIZEN

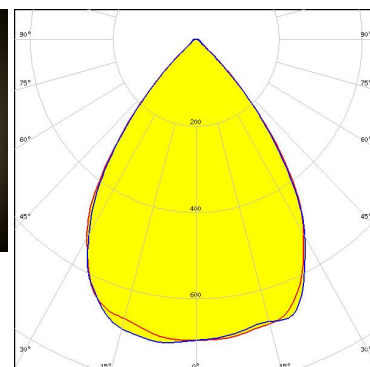
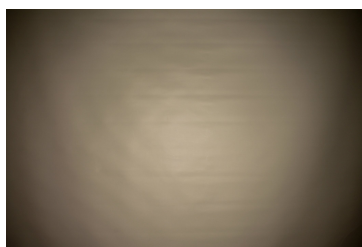
LED CLU04x  
FWHM / FWTM 68.0° / 94.0°  
Efficiency 93 %  
Peak intensity 0.8 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:  
Bender Wirth: 431 Typ L4



Light distribution files



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:

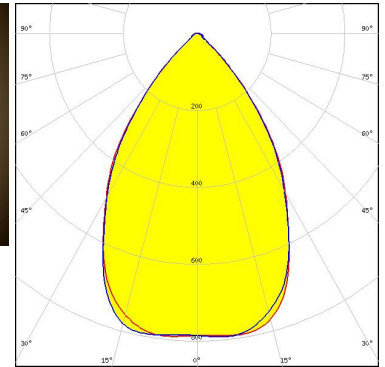


Light distribution files

#### OPTICAL RESULTS (MEASURED):



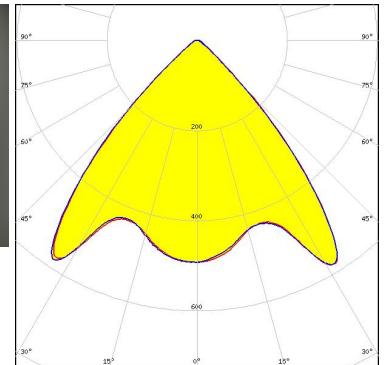
LED CMA3090  
FWHM / FWTM 67.0° / 96.0°  
Efficiency 96 %  
Peak intensity 0.8 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



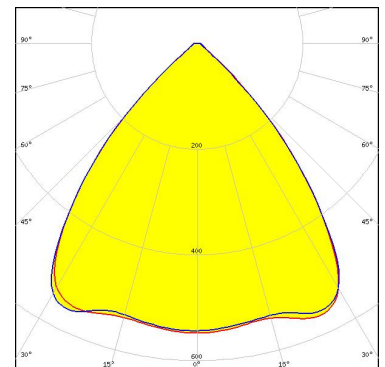
LED CXA/B 1816 & CXA/B 1820 & CXA 1850  
FWHM / FWTM 87.0° / 104.0°  
Efficiency 93 %  
Peak intensity 0.6 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



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:

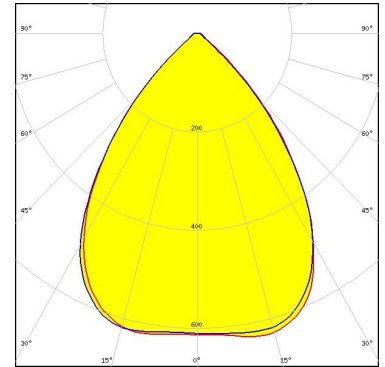


Light distribution files

### OPTICAL RESULTS (MEASURED):



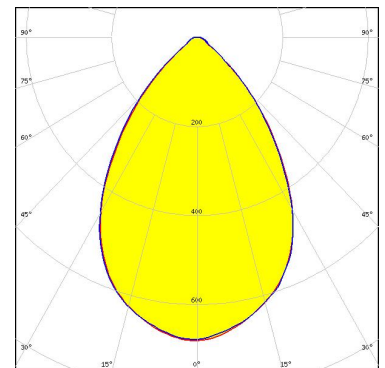
LED CXA/B 30xx  
FWHM / FWTM 78.0° / 103.0°  
Efficiency 93 %  
Peak intensity 0.6 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



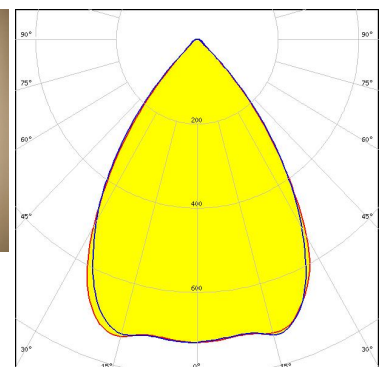
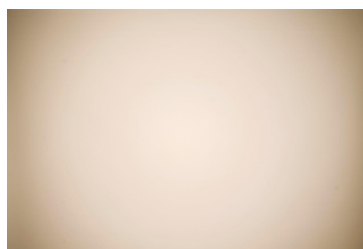
LED CXA/B 3590  
FWHM / FWTM 72.0° / 106.0°  
Efficiency 93 %  
Peak intensity 0.7 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



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:

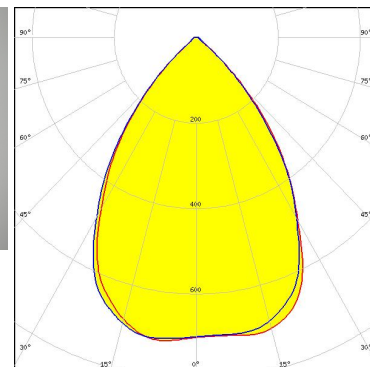


Light distribution files

### OPTICAL RESULTS (MEASURED):



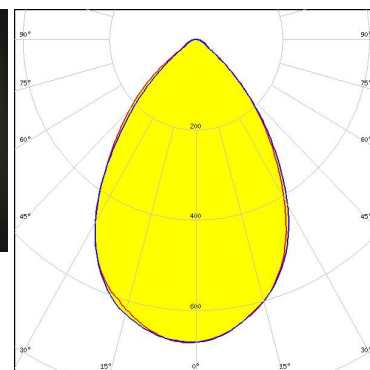
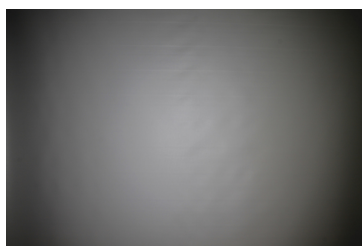
LED LUXEON CoB 1213/1216/1812  
FWHM / FWTM 72.0° / 99.0°  
Efficiency 94 %  
Peak intensity 0.7 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



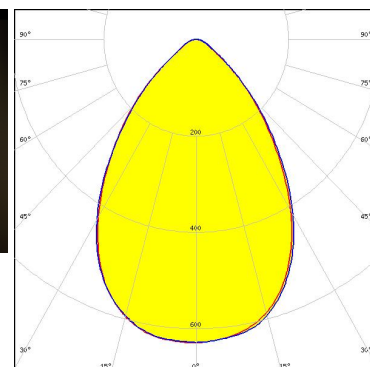
LED LUXEON CoB 1321  
FWHM / FWTM 71.0° / 108.0°  
Efficiency 94 %  
Peak intensity 0.7 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



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:

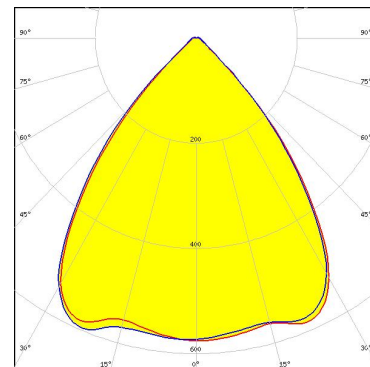


Light distribution files

### OPTICAL RESULTS (MEASURED):



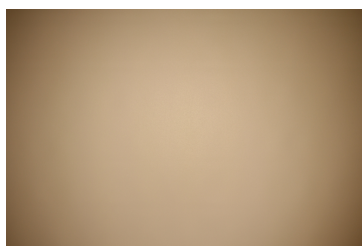
LED CxM-18 (21.5x21.5)  
 FWHM / FWTM 80.0° / 100.0°  
 Efficiency 93 %  
 Peak intensity 0.6 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



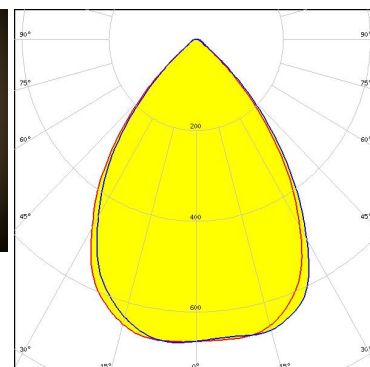
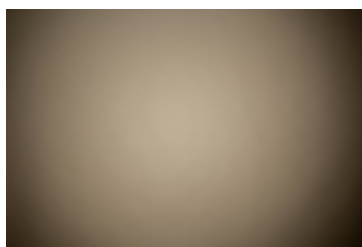
LED CxM-22 (28x28)  
 FWHM / FWTM 73.0° / 100.0°  
 Efficiency 93 %  
 Peak intensity 0.7 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



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:

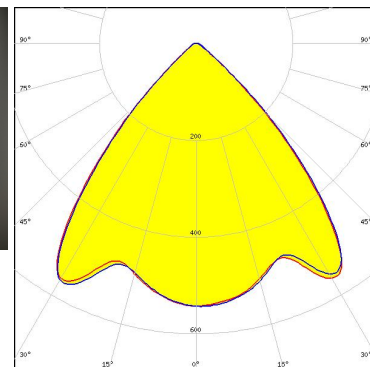
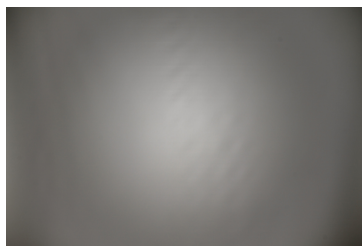


Light distribution files

### OPTICAL RESULTS (MEASURED):



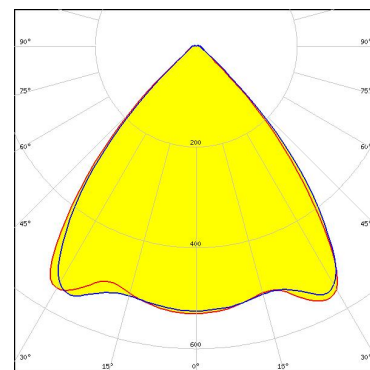
LED COB J-Type  
FWHM / FWTM 84.0° / 102.0°  
Efficiency 94 %  
Peak intensity 0.6 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



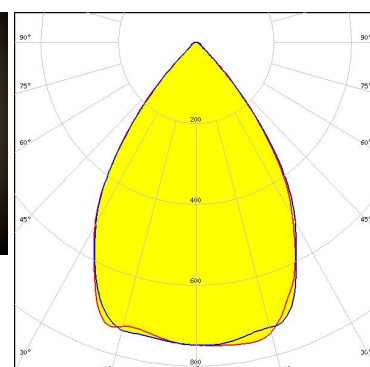
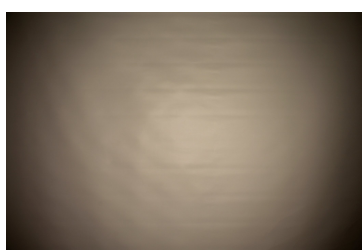
LED Soleriq S19  
FWHM / FWTM 84.0° / 101.0°  
Efficiency 92 %  
Peak intensity 0.6 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



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



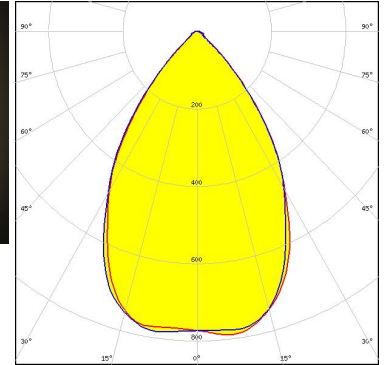
Light distribution files



#### OPTICAL RESULTS (MEASURED):

### PHILIPS

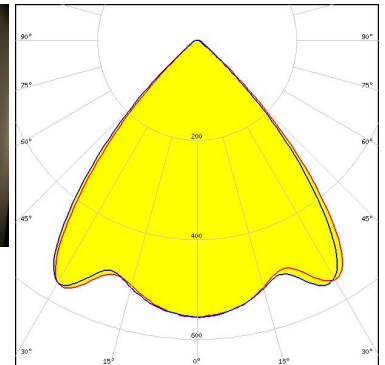
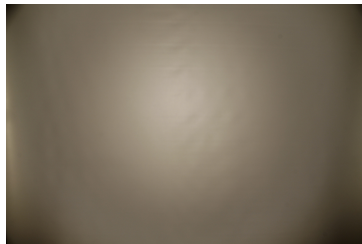
LED Fortimo SLM L23 CoB  
 FWHM / FWTM 67.0° / 96.0°  
 Efficiency 94 %  
 Peak intensity 0.8 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 Bender Wirth: 431 Typ L4



Light distribution files

### SAMSUNG

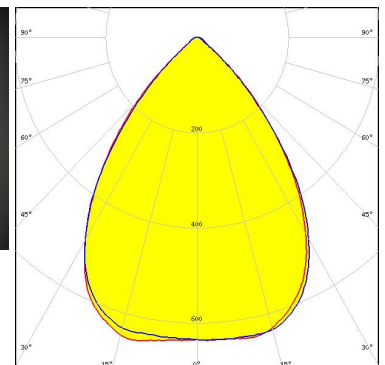
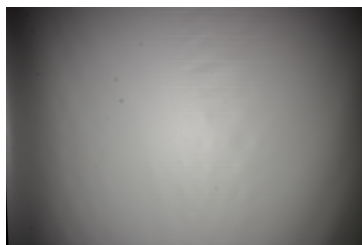
LED LC016D / LC019D / LC026D / LC033D  
 FWHM / FWTM 83.0° / 101.0°  
 Efficiency 93 %  
 Peak intensity 0.6 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



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:



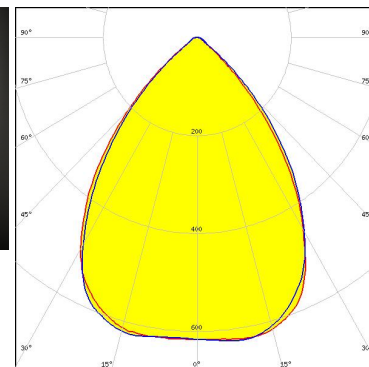
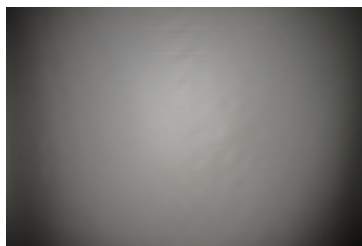
Light distribution files



### OPTICAL RESULTS (MEASURED):

#### SAMSUNG

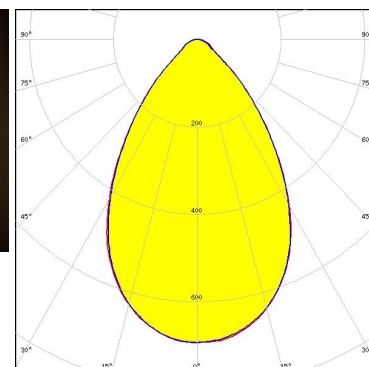
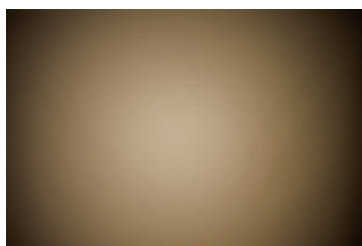
LED LC040D / LC060D / LC080D  
 FWHM / FWTM 77.0° / 104.0°  
 Efficiency 93 %  
 Peak intensity 0.6 cd/m  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



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

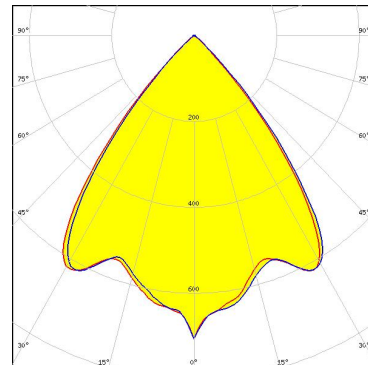


Light distribution files

### OPTICAL RESULTS (SIMULATED):



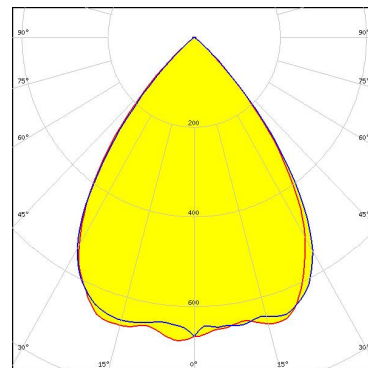
LED V13 Gen 8-9  
FWHM / FWTM 78.0° / 94.0°  
Efficiency 91 %  
Peak intensity 0.7 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



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:

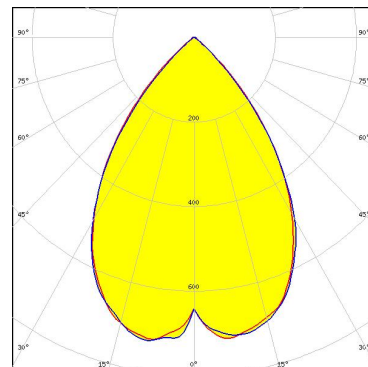


Bender Wirth: 462 Typ L4

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

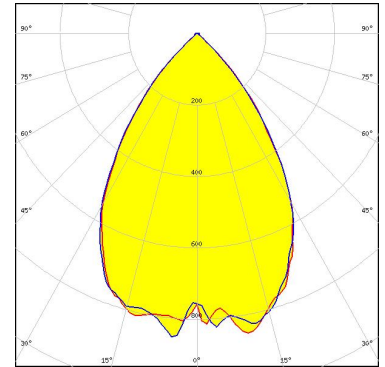
Light distribution files

### 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:

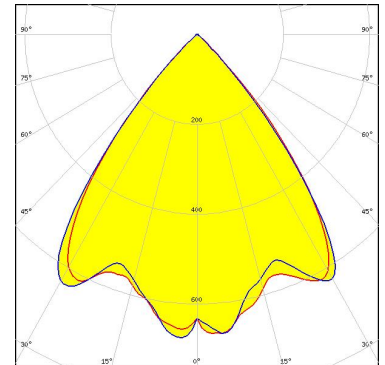
Bender Wirth: 431 Typ L4



Light distribution files



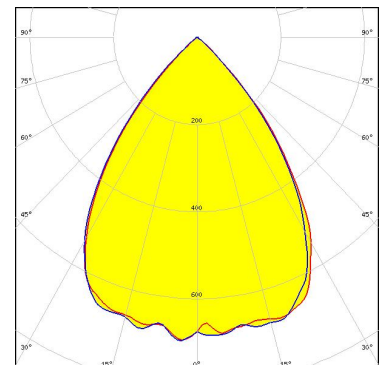
LED Vesta TW 13mm (18W) DP  
FWHM / FWTM 78.0° / 93.0°  
Efficiency 91 %  
Peak intensity 0.7 cd/lm  
LEDs/each optic 1  
Light colour/type Tunable White  
Required components:



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:

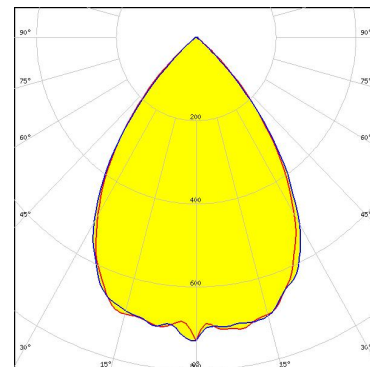


Light distribution files

### OPTICAL RESULTS (SIMULATED):



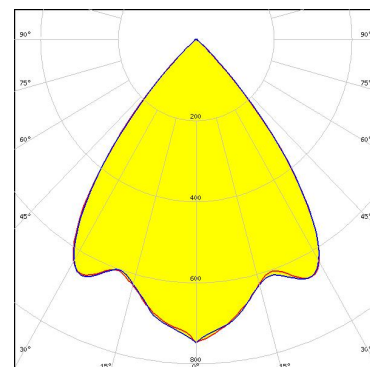
LED Vesta TW 22mm DP  
FWHM / FWTM 72.0° / 97.0°  
Efficiency 91 %  
Peak intensity 0.7 cd/lm  
LEDs/each optic 1  
Light colour/type Tunable White  
Required components:



Light distribution files

### CITIZEN

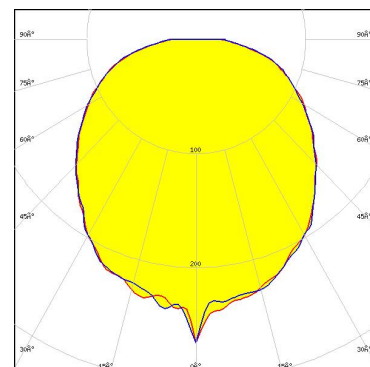
LED CLU03x  
FWHM / FWTM 76.0° / 93.0°  
Efficiency 96 %  
Peak intensity 0.7 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



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:

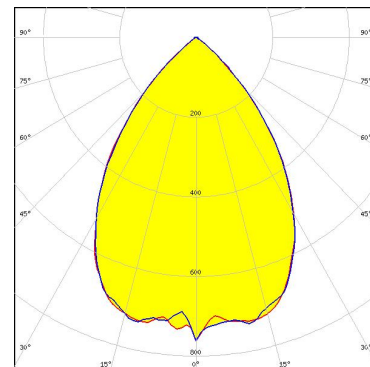


Light distribution files

#### OPTICAL RESULTS (SIMULATED):



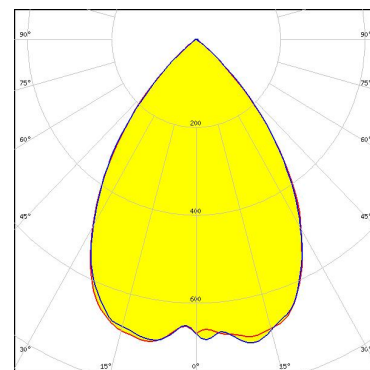
LED CMA3090  
 FWHM / FWTM 73.0° / 100.0°  
 Efficiency 94 %  
 Peak intensity 0.8 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



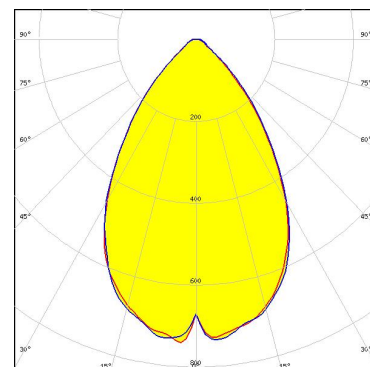
LED CMT28xx  
 FWHM / FWTM 73.0° / 98.0°  
 Efficiency 91 %  
 Peak intensity 0.7 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



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:

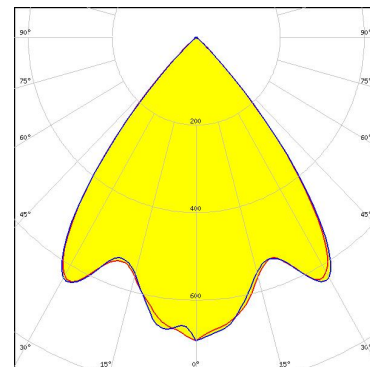


Light distribution files

### OPTICAL RESULTS (SIMULATED):

#### PHILIPS

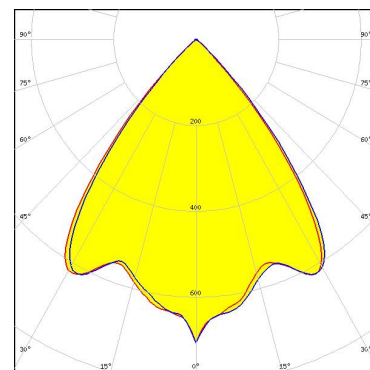
LED	Fortimo SLM L13 CoB
FWHM / FWTM	78.0° / 92.0°
Efficiency	91 %
Peak intensity	0.7 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

#### TRIDONIC

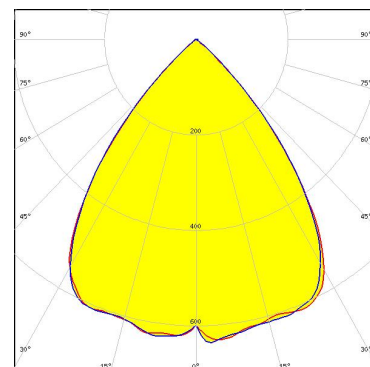
LED	SLE 13mm 3000lm xxx R ADV8
FWHM / FWTM	82.0° / 96.0°
Efficiency	91 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



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

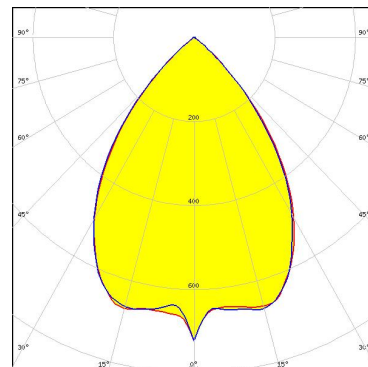
## OPTICAL RESULTS (SIMULATED):

### 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:

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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