

## MIRELLA-50-M

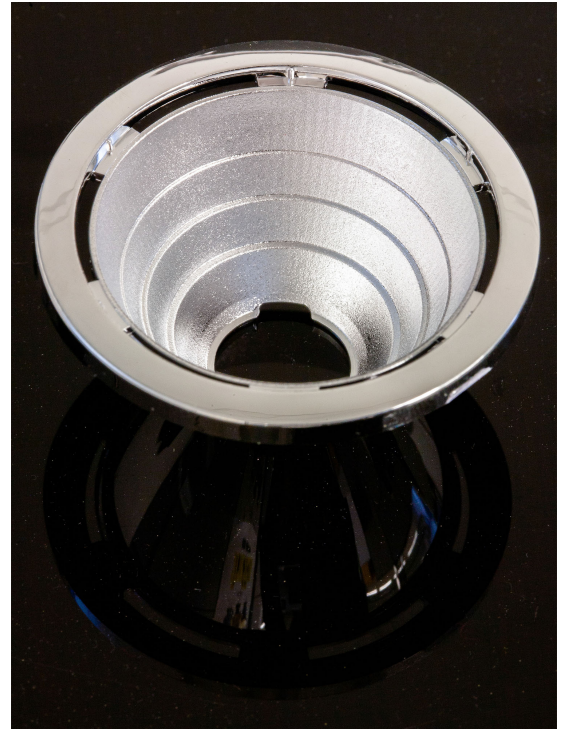
~30° medium beam

### SPECIFICATION:

Dimensions	Ø 49.9
Height	23.9 mm
Fastening	glue
ROHS compliant	yes ⓘ

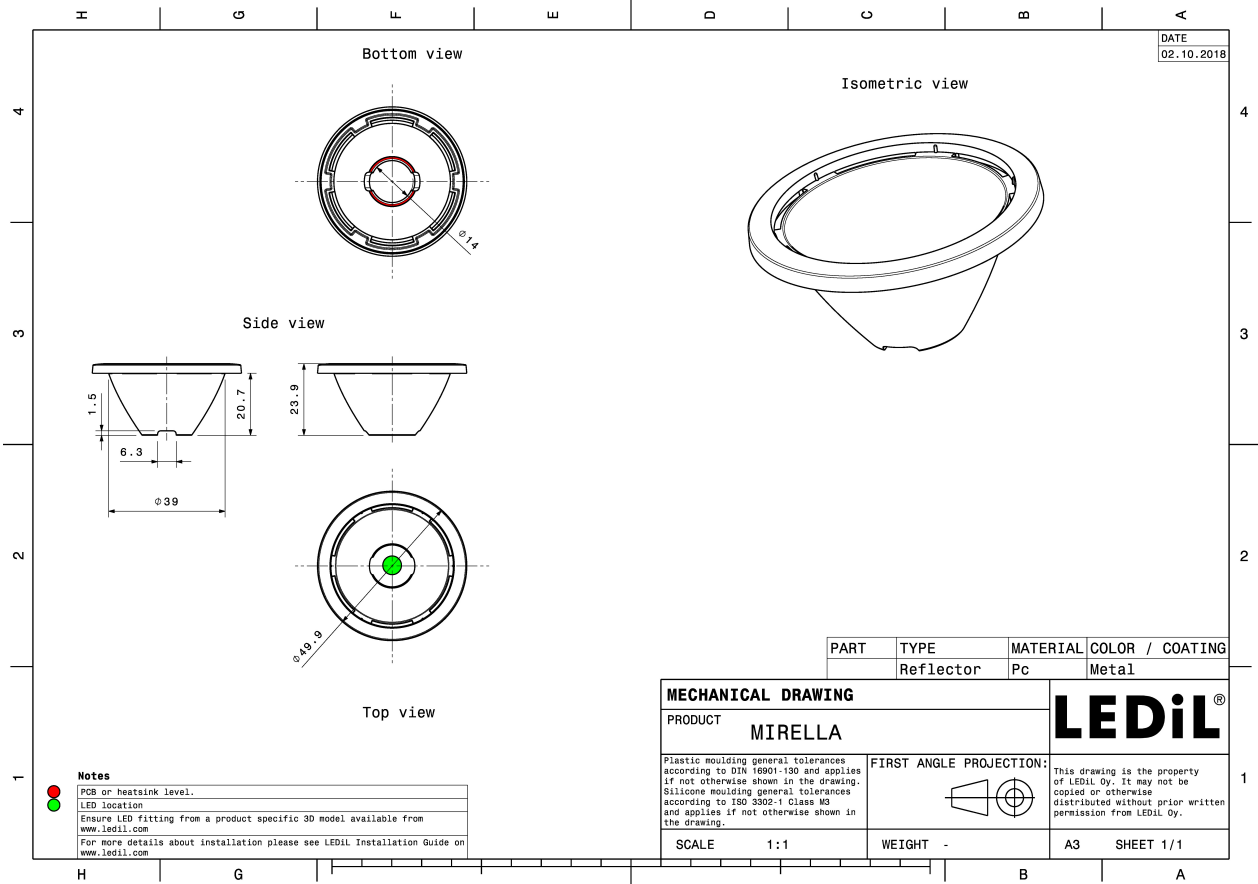
### MATERIALS:

Component	Type	Material	Colour	Finish	Coating
MIRELLA-50-M	Reflector	PC	metal		lacquer



### ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
C12477_MIRELLA-50-M » Box size: 480 x 280 x 300 mm	336	112	28	2.8



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

#### OPTICAL RESULTS (MEASURED):

bridgelux

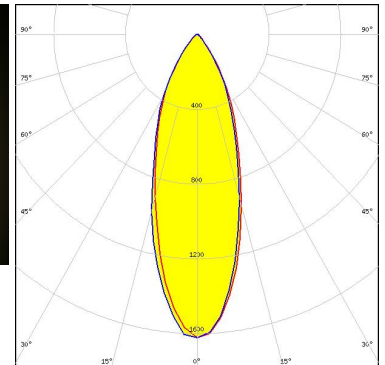
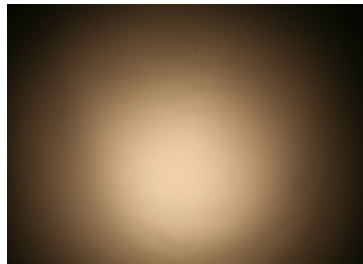
LED BXRA LS  
 FWHM / FWTM 27.0° / 69.0°  
 Efficiency 84 %  
 Peak intensity 2.4 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C13333\_MIRELLA-CL



Light distribution files

bridgelux

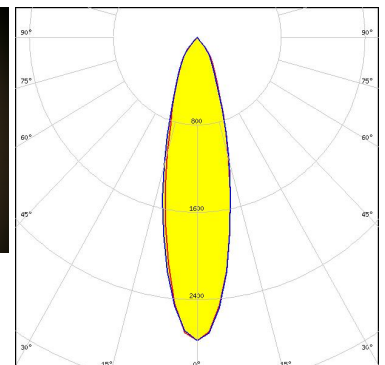
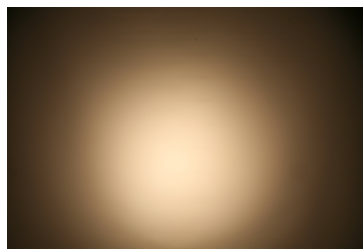
LED BXRA LS  
 FWHM / FWTM 35.0° / 73.0°  
 Efficiency 83 %  
 Peak intensity 1.6 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C12479\_MIRELLA-DL



Light distribution files

bridgelux

LED BXRA LS  
 FWHM / FWTM 27.0° / 64.0°  
 Efficiency 89 %  
 Peak intensity 2.8 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

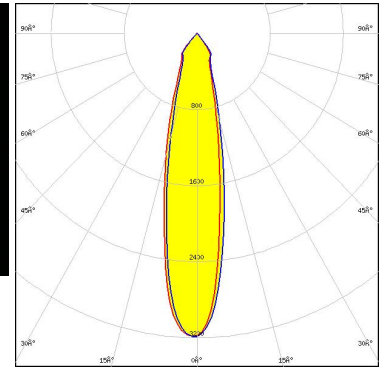


Light distribution files

#### OPTICAL RESULTS (MEASURED):

### CITIZEN

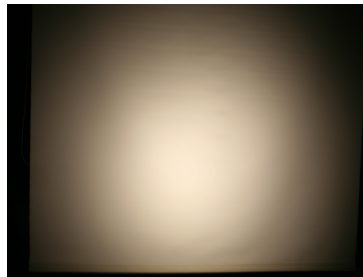
LED CLL01x  
FWHM / FWTM 29.0° / 77.0°  
Efficiency %  
Peak intensity 3.2 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files

### CITIZEN

LED CLL01x  
FWHM / FWTM 39.0° / 77.0°  
Efficiency %  
LEDs/each optic 1  
Light colour/type White  
Required components:  
C12479\_MIRELLA-DL



Light distribution files

### CITIZEN

LED CLL01x  
FWHM / FWTM 35.0° / 76.0°  
Efficiency 83 %  
Peak intensity 1.7 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:  
C13333\_MIRELLA-CL

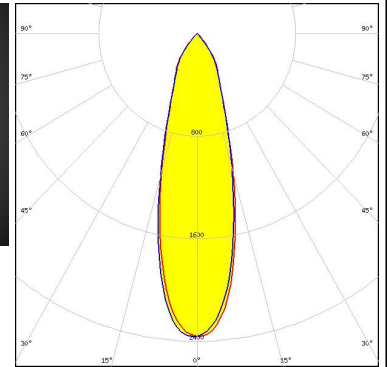
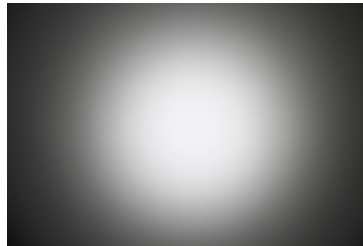


Light distribution files

#### OPTICAL RESULTS (MEASURED):

### CITIZEN

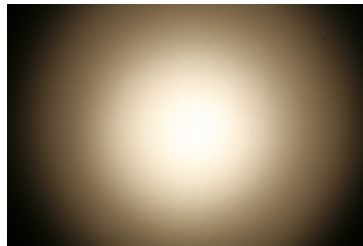
LED CLL02x/CLU02x (LES10)  
FWHM / FWTM 30.0° / 71.0°  
Efficiency 88 %  
Peak intensity 2.4 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files

### CITIZEN

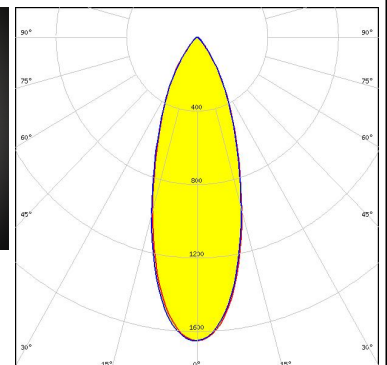
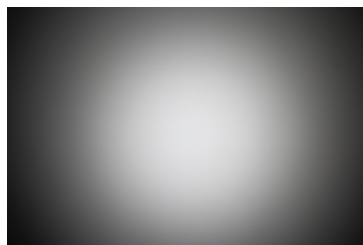
LED CLL02x/CLU02x (LES10)  
FWHM / FWTM 30.0° / 71.0°  
Efficiency 84 %  
Peak intensity 2.2 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:  
C13333\_MIRELLA-CL



Light distribution files

### CITIZEN

LED CLL02x/CLU02x (LES10)  
FWHM / FWTM 35.0° / 73.0°  
Efficiency 82 %  
Peak intensity 1.7 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:  
C12479\_MIRELLA-DL

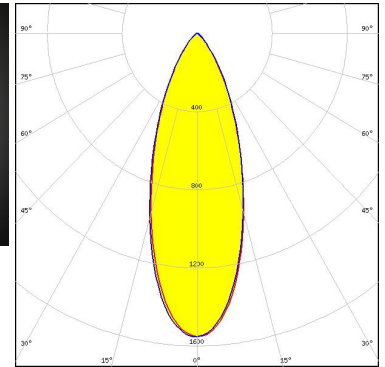
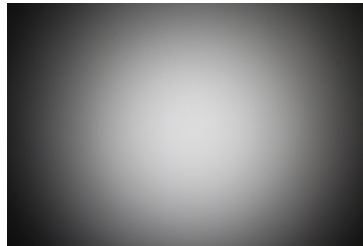


Light distribution files

#### OPTICAL RESULTS (MEASURED):

### CITIZEN

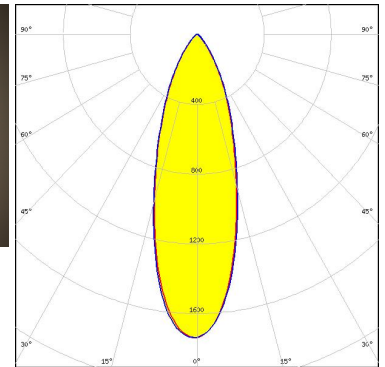
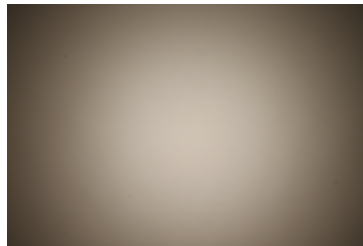
LED CLL02x/CLU02x (LES10)  
 FWHM / FWTM 37.0° / 75.0°  
 Efficiency 82 %  
 Peak intensity 1.6 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C13723\_MIRELLA-RZL



Light distribution files

### CITIZEN

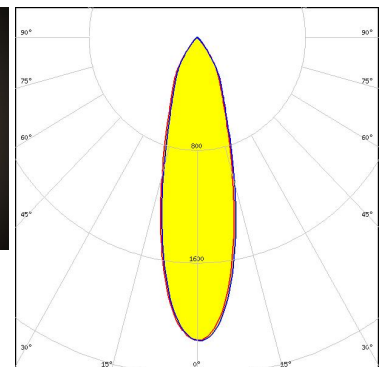
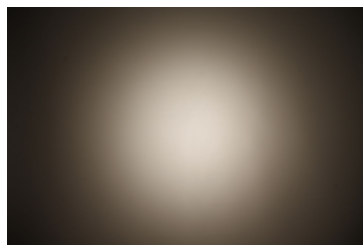
LED CLU700/701/702/703  
 FWHM / FWTM 33.0° / 70.0°  
 Efficiency 82 %  
 Peak intensity 1.7 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C13723\_MIRELLA-RZL



Light distribution files

### CITIZEN

LED CLU700/701/702/703  
 FWHM / FWTM 29.0° / 69.0°  
 Efficiency 84 %  
 Peak intensity 2.2 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C12479\_MIRELLA-DL

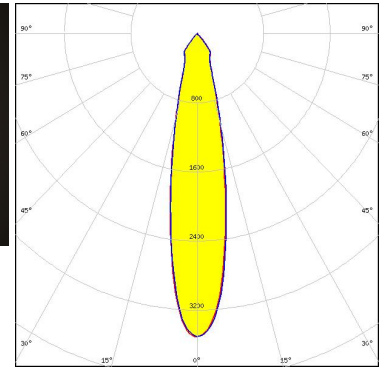


Light distribution files

### OPTICAL RESULTS (MEASURED):

#### CITIZEN

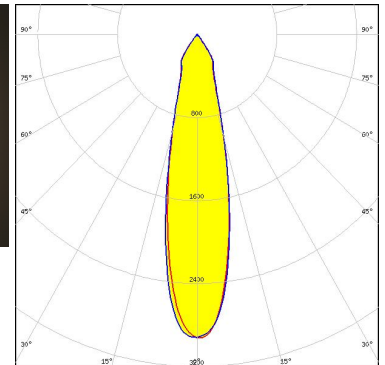
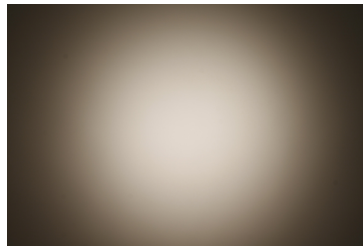
LED CLU700/701/702/703  
FWHM / FWTM 22.0° / 51.0°  
Efficiency 90 %  
Peak intensity 3.5 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files

#### CITIZEN

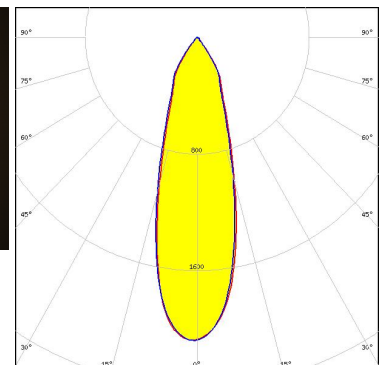
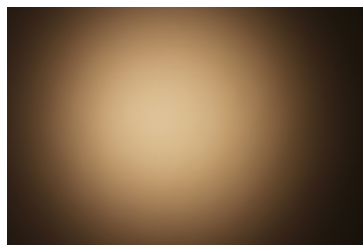
LED CLU700/701/702/703  
FWHM / FWTM 24.0° / 64.0°  
Efficiency 83 %  
Peak intensity 2.9 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:  
C13333\_MIRELLA-CL



Light distribution files

#### CITIZEN

LED CLU710/711  
FWHM / FWTM 30.0° / 70.0°  
Efficiency 85 %  
Peak intensity 2.1 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:  
C13333\_MIRELLA-CL

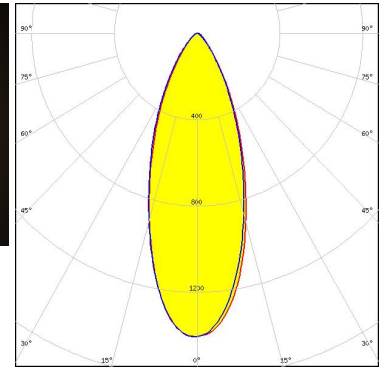
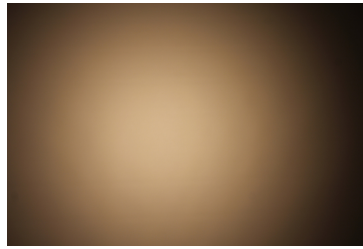


Light distribution files

### OPTICAL RESULTS (MEASURED):

#### CITIZEN

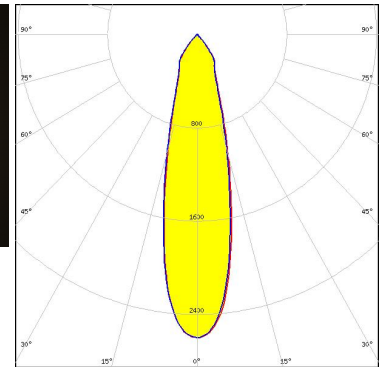
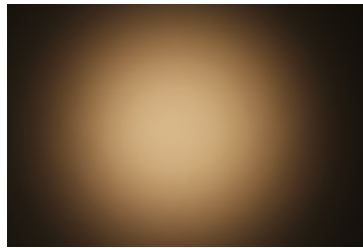
LED CLU710/711  
FWHM / FWTM 38.0° / 76.0°  
Efficiency 83 %  
Peak intensity 1.4 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:  
C13723\_MIRELLA-RZL



Light distribution files

#### CITIZEN

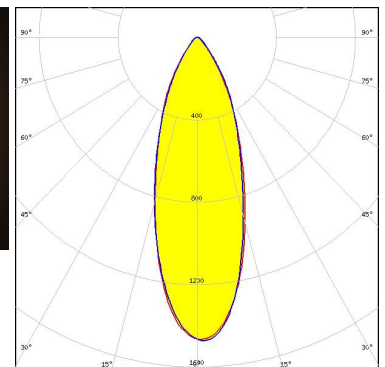
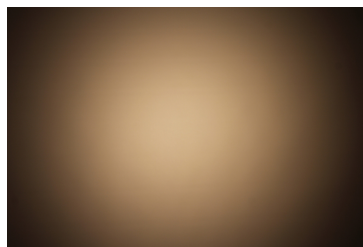
LED CLU710/711  
FWHM / FWTM 26.0° / 70.0°  
Efficiency 90 %  
Peak intensity 2.6 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files

#### CITIZEN

LED CLU710/711  
FWHM / FWTM 35.0° / 74.0°  
Efficiency 81 %  
Peak intensity 1.5 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:  
C12479\_MIRELLA-DL



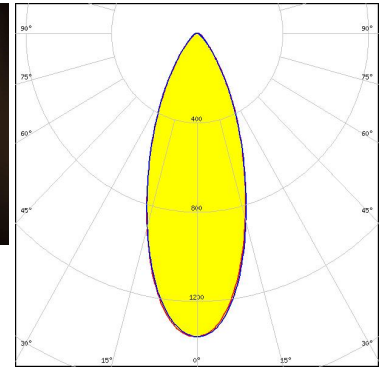
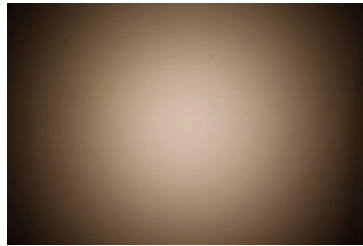
Light distribution files



### OPTICAL RESULTS (MEASURED):

#### CITIZEN

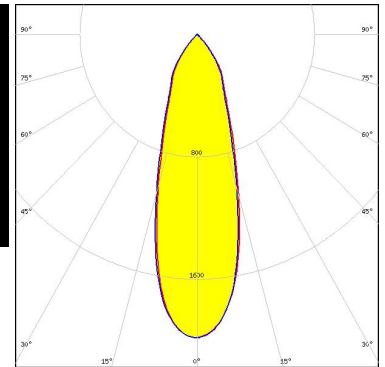
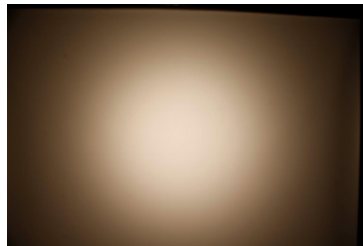
LED CLU720/721/723  
FWHM / FWTM 39.0° / 77.0°  
Efficiency 83 %  
Peak intensity 1.4 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:  
C13723\_MIRELLA-RZL



Light distribution files

#### CITIZEN

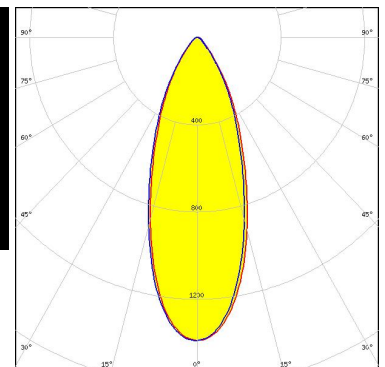
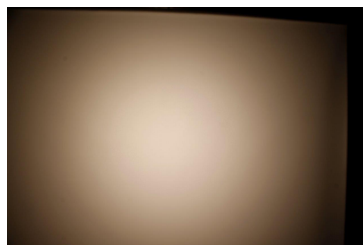
LED CLU720/721/723  
FWHM / FWTM 31.0° / 75.0°  
Efficiency 90 %  
Peak intensity 2 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files

#### CITIZEN

LED CLU720/721/723  
FWHM / FWTM 38.0° / 76.0°  
Efficiency 82 %  
Peak intensity 1.4 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:  
C12479\_MIRELLA-DL

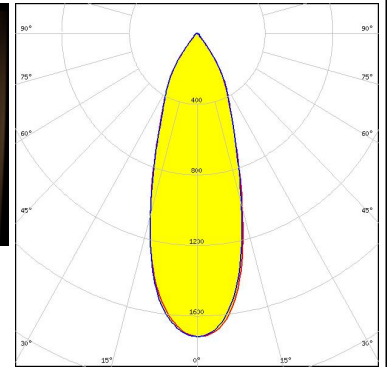
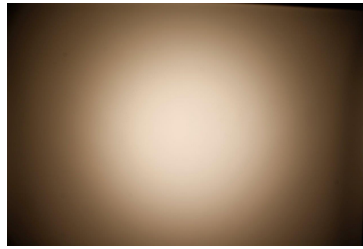


Light distribution files

#### OPTICAL RESULTS (MEASURED):

### CITIZEN

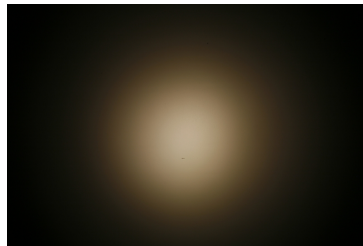
LED CLU720/721/723  
FWHM / FWTM 35.0° / 73.0°  
Efficiency 85 %  
Peak intensity 1.7 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:  
C13333\_MIRELLA-CL



Light distribution files



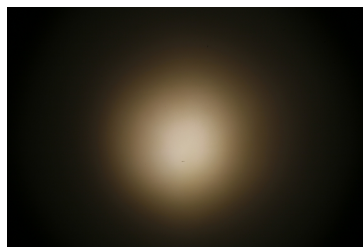
LED CXA/B 13xx  
FWHM / FWTM 26.0° / 67.0°  
Efficiency 80 %  
Peak intensity 2.4 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:  
C12479\_MIRELLA-DL



Light distribution files



LED CXA/B 13xx  
FWHM / FWTM 23.0° / 68.0°  
Efficiency 81 %  
Peak intensity 2.9 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:  
C13333\_MIRELLA-CL



Light distribution files

#### OPTICAL RESULTS (MEASURED):



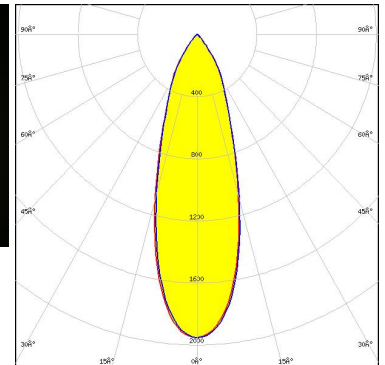
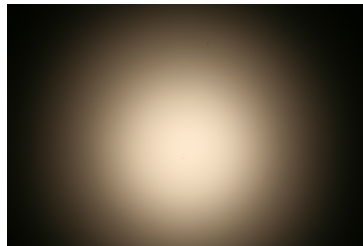
LED CXA/B 13xx  
 FWHM / FWTM 20.0° / 55.0°  
 Efficiency 85 %  
 Peak intensity 3.7 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



[Light distribution files](#)



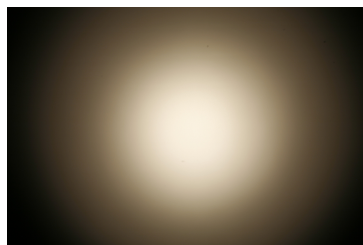
LED CXA/B 15xx  
 FWHM / FWTM 34.0° / 72.0°  
 Efficiency 89 %  
 Peak intensity 1.7 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C12479\_MIRELLA-DL



[Light distribution files](#)



LED CXA/B 15xx  
 FWHM / FWTM 30.0° / 71.0°  
 Efficiency 83 %  
 Peak intensity 2.4 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C13333\_MIRELLA-CL

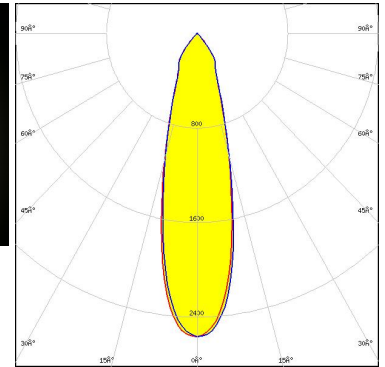


[Light distribution files](#)

#### OPTICAL RESULTS (MEASURED):



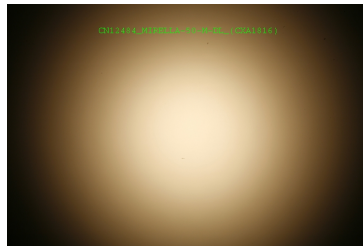
LED CXA/B 15xx  
 FWHM / FWTM 28.0° / 72.0°  
 Efficiency 92 %  
 Peak intensity 2.5 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



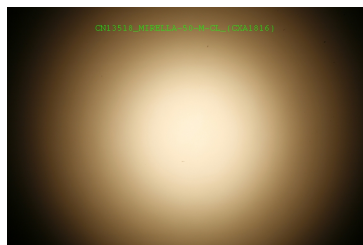
LED CXA/B 1816 & CXA/B 1820 & CXA 1850  
 FWHM / FWTM 39.0° / 76.0°  
 Efficiency 83 %  
 Peak intensity 1.6 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C12479\_MIRELLA-DL



Light distribution files



LED CXA/B 1816 & CXA/B 1820 & CXA 1850  
 FWHM / FWTM 37.0° / 76.0°  
 Efficiency 82 %  
 Peak intensity 1.8 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C13333\_MIRELLA-CL

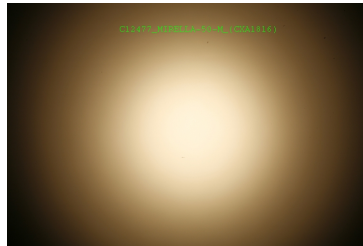


Light distribution files

#### OPTICAL RESULTS (MEASURED):



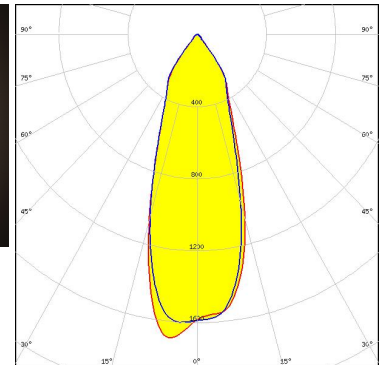
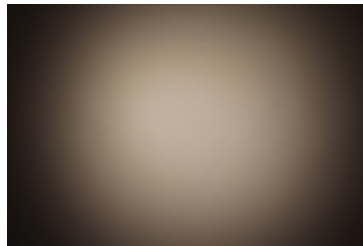
LED CXA/B 1816 & CXA/B 1820 & CXA 1850  
 FWHM / FWTM 34.0° / 78.0°  
 Efficiency 88 %  
 Peak intensity 2 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



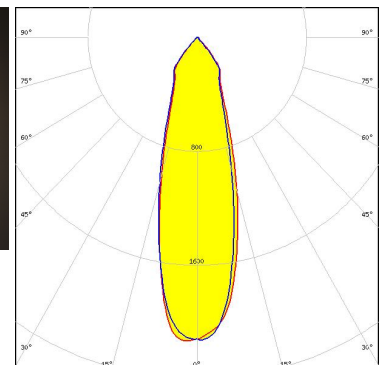
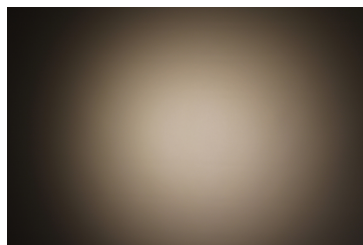
LED MHD-E/G  
 FWHM / FWTM 35.0° / 76.0°  
 Efficiency 88 %  
 Peak intensity 1.7 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C13333\_MIRELLA-CL



Light distribution files



LED MHD-E/G  
 FWHM / FWTM 30.0° / 79.0°  
 Efficiency 93 %  
 Peak intensity 2.1 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

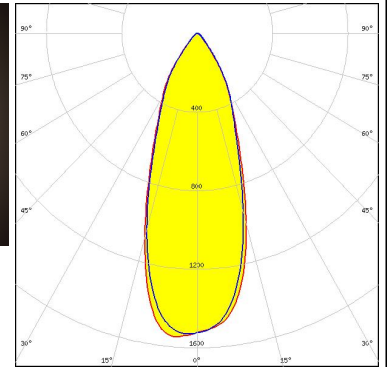
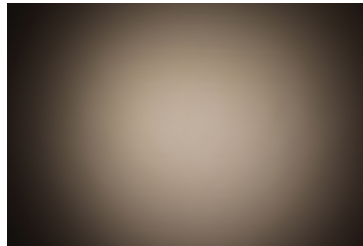


Light distribution files

#### OPTICAL RESULTS (MEASURED):



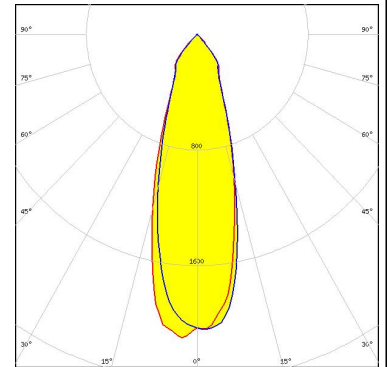
LED MHD-E/G  
 FWHM / FWTM 37.0° / 76.0°  
 Efficiency 88 %  
 Peak intensity 1.5 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C12479\_MIRELLA-DL



Light distribution files



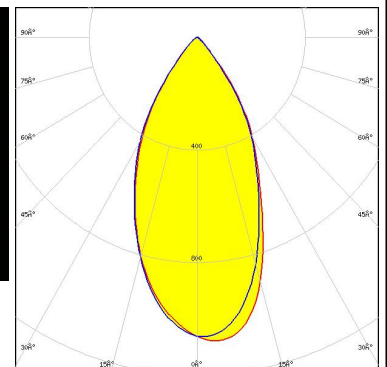
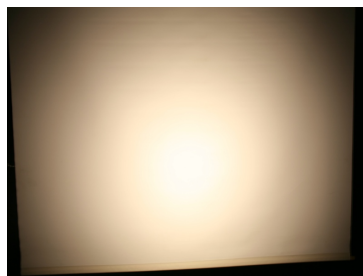
LED MT-G  
 FWHM / FWTM 31.0° / 78.5°  
 Efficiency 91 %  
 Peak intensity 2.1 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



LED MT-G2  
 FWHM / FWTM 38.0° / 77.0°  
 Efficiency 83 %  
 Peak intensity 1.7 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C12479\_MIRELLA-DL

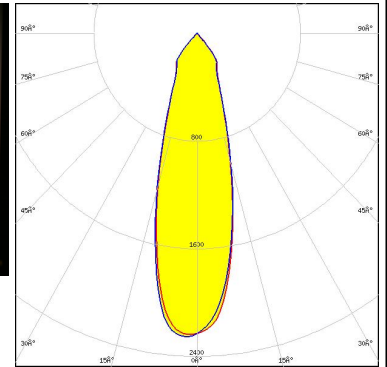


Light distribution files

#### OPTICAL RESULTS (MEASURED):



LED MT-G2  
 FWHM / FWTM 30.0° / 78.0°  
 Efficiency 90 %  
 Peak intensity 2.3 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



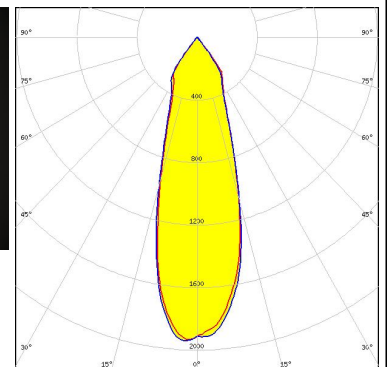
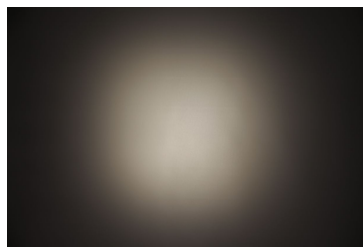
LED MT-G2  
 FWHM / FWTM 35.0° / 77.0°  
 Efficiency 85 %  
 Peak intensity 1.8 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C13333\_MIRELLA-CL



Light distribution files



LED XHP50  
 FWHM / FWTM 31.0° / 75.0°  
 Efficiency 86 %  
 Peak intensity 2 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C13333\_MIRELLA-CL

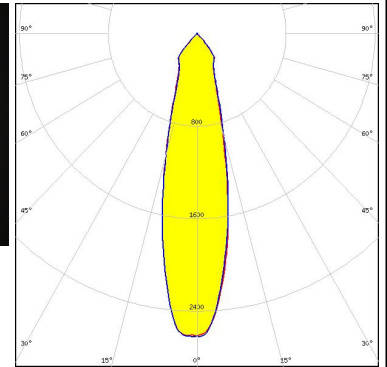


Light distribution files

#### OPTICAL RESULTS (MEASURED):



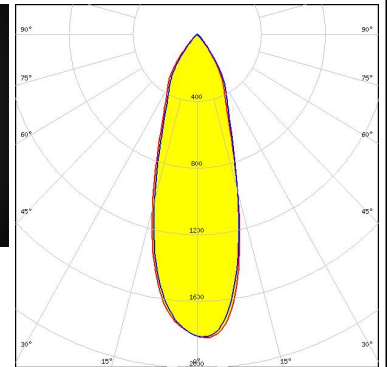
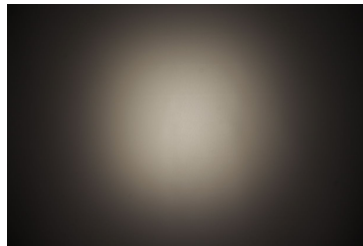
LED XHP50  
 FWHM / FWTM 25.0° / 76.0°  
 Efficiency 91 %  
 Peak intensity 2.6 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



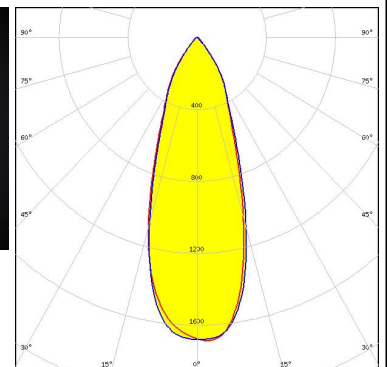
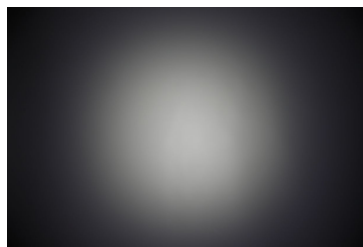
LED XHP50  
 FWHM / FWTM 33.0° / 74.0°  
 Efficiency 86 %  
 Peak intensity 1.8 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C12479\_MIRELLA-DL



Light distribution files



LED XHP70  
 FWHM / FWTM 36.0° / 74.0°  
 Efficiency 87 %  
 Peak intensity 1.7 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C12479\_MIRELLA-DL



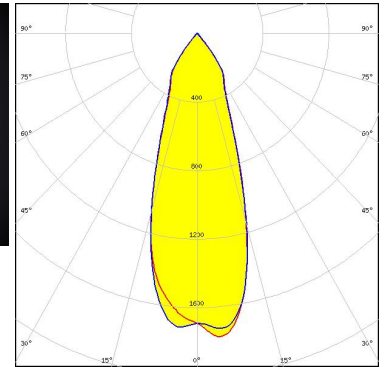
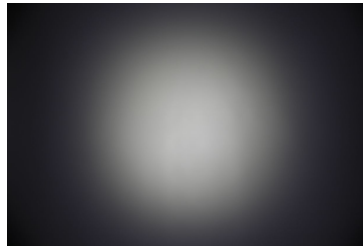
Light distribution files



### OPTICAL RESULTS (MEASURED):



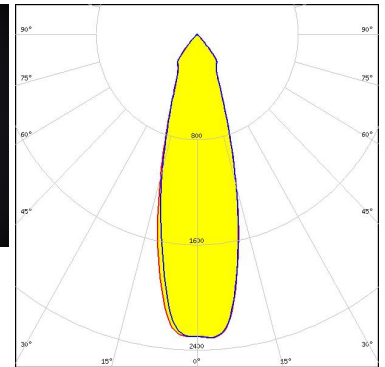
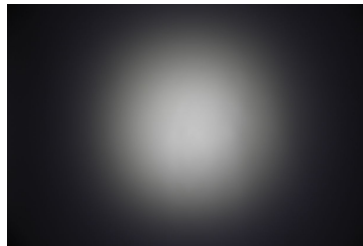
LED XHP70  
 FWHM / FWTM 35.0° / 76.0°  
 Efficiency 86 %  
 Peak intensity 1.8 cd/m  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C13333\_MIRELLA-CL



Light distribution files



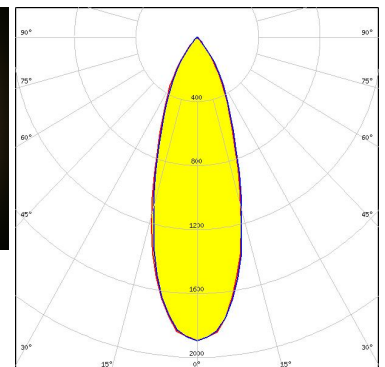
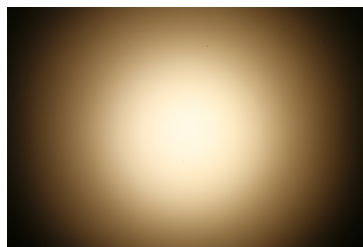
LED XHP70  
 FWHM / FWTM 30.0° / 77.0°  
 Efficiency 91 %  
 Peak intensity 2.3 cd/m  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



LED LUXEON CoB 1202/1203  
 FWHM / FWTM 35.0° / 71.0°  
 Efficiency 85 %  
 Peak intensity 1.9 cd/m  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C12479\_MIRELLA-DL

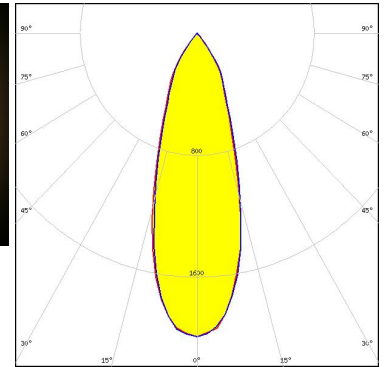
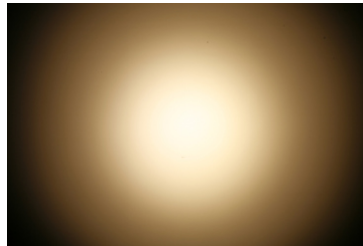


Light distribution files

#### OPTICAL RESULTS (MEASURED):



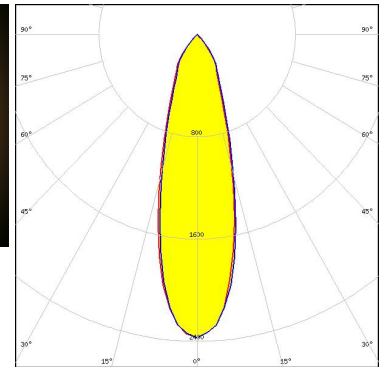
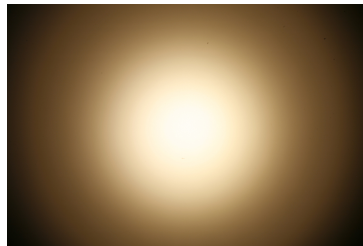
LED LUXEON CoB 1202/1203  
FWHM / FWTM 33.0° / 72.0°  
Efficiency 85 %  
Peak intensity 2 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:  
C13333\_MIRELLA-CL



Light distribution files



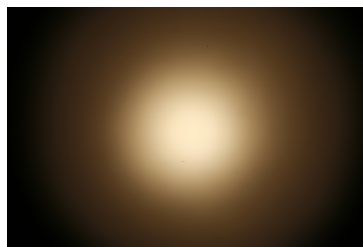
LED LUXEON CoB 1202/1203  
FWHM / FWTM 29.0° / 72.0°  
Efficiency 89 %  
Peak intensity 2.4 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



LED LUXEON S1000  
FWHM / FWTM 22.0° / 64.0°  
Efficiency 83 %  
Peak intensity 3.4 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:  
C13333\_MIRELLA-CL

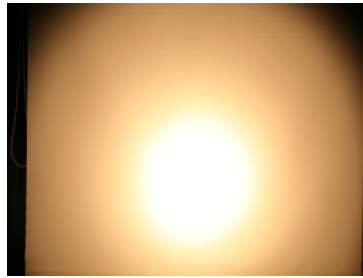


Light distribution files

#### OPTICAL RESULTS (MEASURED):



LED LUXEON S1000  
 FWHM / FWTM 22.0° / 66.0°  
 Efficiency %  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



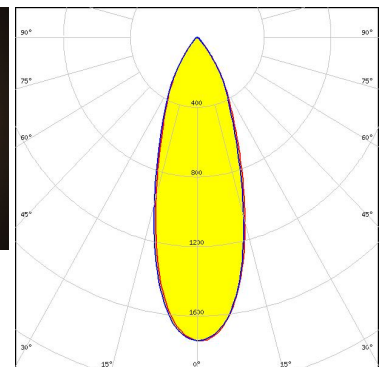
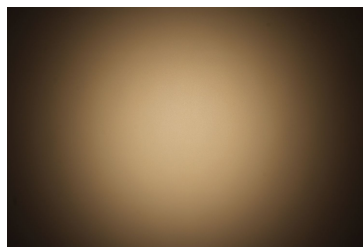
LED LUXEON S1000  
 FWHM / FWTM 28.0° / 68.0°  
 Efficiency %  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C12479\_MIRELLA-DL



Light distribution files



LED CxM-9 (13.5x13.5)  
 FWHM / FWTM 34.0° / 72.0°  
 Efficiency 85 %  
 Peak intensity 1.7 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C12479\_MIRELLA-DL

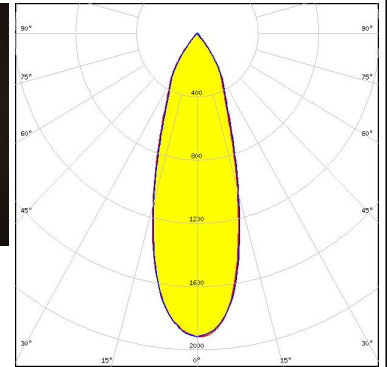
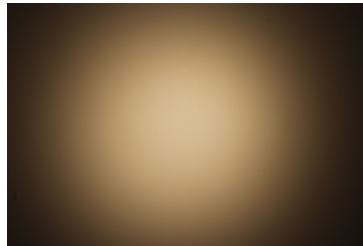


Light distribution files

### OPTICAL RESULTS (MEASURED):



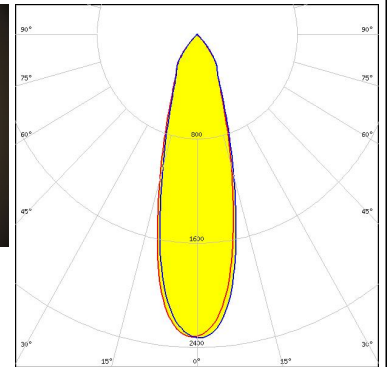
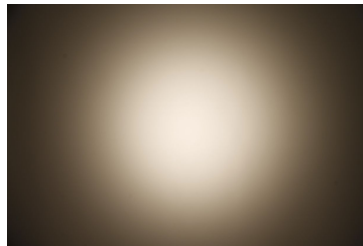
LED CxM-9 (13.5x13.5)  
FWHM / FWTM 33.0° / 72.0°  
Efficiency 85 %  
Peak intensity 1.9 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:  
C13333\_MIRELLA-CL



Light distribution files



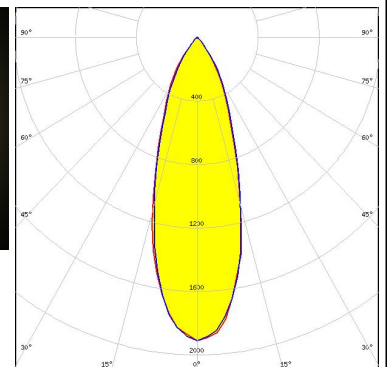
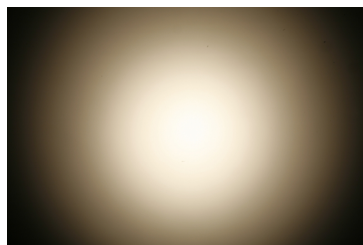
LED CxM-9 (13.5x13.5)  
FWHM / FWTM 29.0° / 73.0°  
Efficiency 90 %  
Peak intensity 2.3 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



LED COB L-Type (LES 9)  
FWHM / FWTM 34.0° / 71.0°  
Efficiency 84 %  
Peak intensity 1.9 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:  
C12479\_MIRELLA-DL

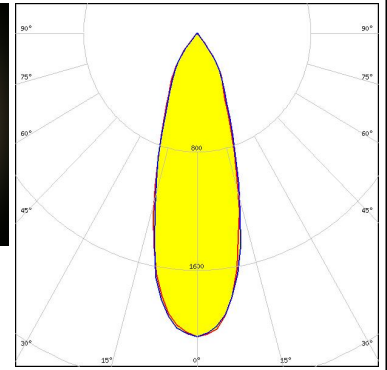


Light distribution files

#### OPTICAL RESULTS (MEASURED):



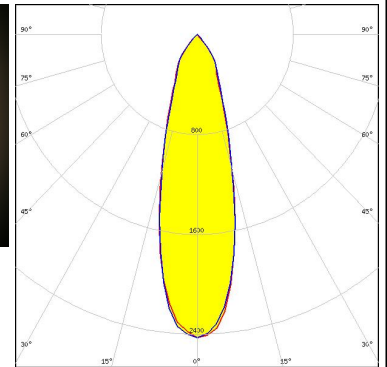
LED COB L-Type (LES 9)  
 FWHM / FWTM 33.0° / 71.0°  
 Efficiency 86 %  
 Peak intensity 2.1 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C13333\_MIRELLA-CL



Light distribution files



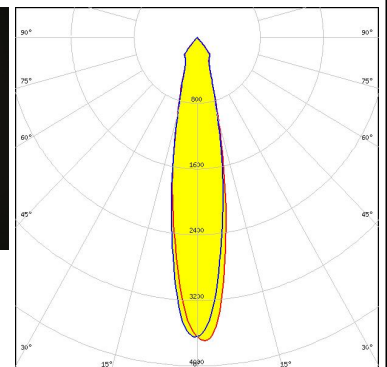
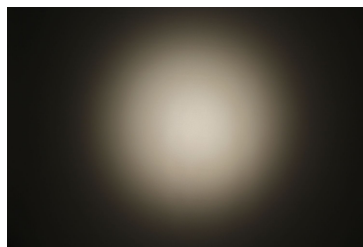
LED COB L-Type (LES 9)  
 FWHM / FWTM 29.0° / 72.0°  
 Efficiency 90 %  
 Peak intensity 2.4 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



LED NFMW48xA  
 FWHM / FWTM 21.0° / 53.0°  
 Efficiency 82 %  
 Peak intensity 3.3 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

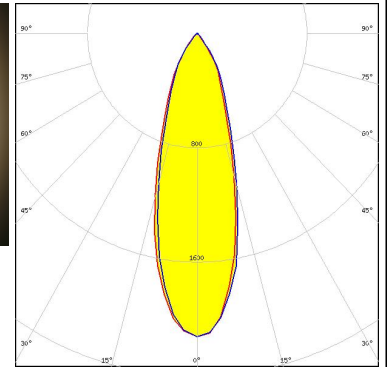


Light distribution files

### OPTICAL RESULTS (MEASURED):



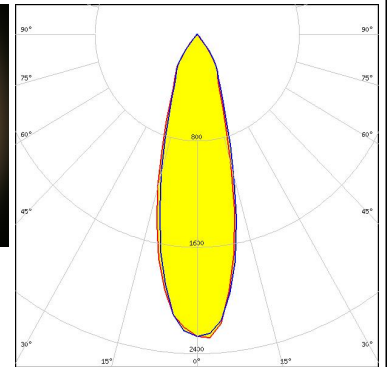
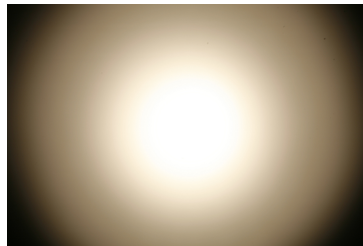
LED NSCxL036A  
FWHM / FWTM 32.0° / 70.0°  
Efficiency 85 %  
Peak intensity 2.1 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:  
C12479\_MIRELLA-DL



Light distribution files



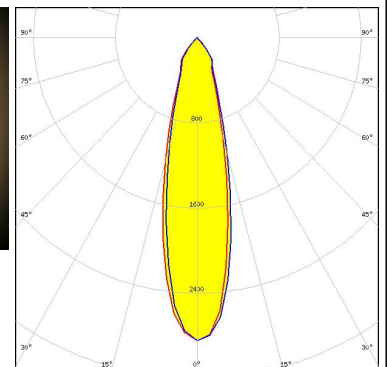
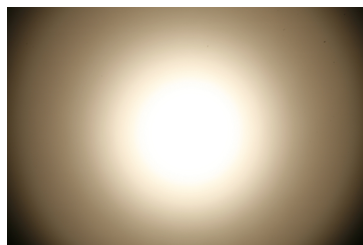
LED NSCxL036A  
FWHM / FWTM 30.0° / 70.0°  
Efficiency 85 %  
Peak intensity 2.3 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:  
C13333\_MIRELLA-CL



Light distribution files



LED NSCxL036A  
FWHM / FWTM 26.0° / 64.0°  
Efficiency 88 %  
Peak intensity 2.8 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

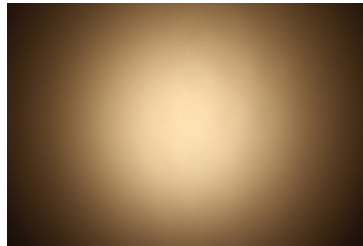


Light distribution files

#### OPTICAL RESULTS (MEASURED):

**OSRAM**  
Opto Semiconductors

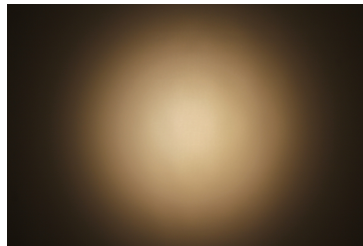
LED Duris S10  
FWHM / FWTM 32.0° / 72.0°  
Efficiency 81 %  
Peak intensity 1.9 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:  
C12479\_MIRELLA-DL



Light distribution files

**OSRAM**  
Opto Semiconductors

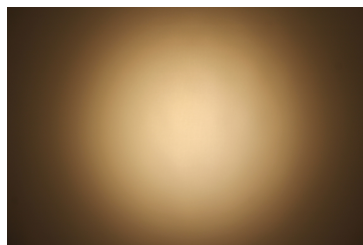
LED Duris S10  
FWHM / FWTM 24.0° / 63.0°  
Efficiency 88 %  
Peak intensity 3.3 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files

**OSRAM**  
Opto Semiconductors

LED Duris S10  
FWHM / FWTM 29.0° / 71.0°  
Efficiency 83 %  
Peak intensity 2.5 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:  
C13333\_MIRELLA-CL

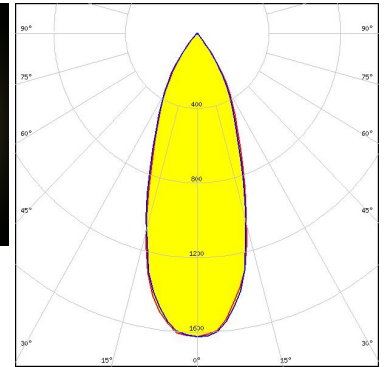
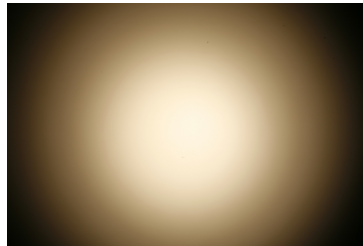


Light distribution files

#### OPTICAL RESULTS (MEASURED):

**OSRAM**  
Opto Semiconductors

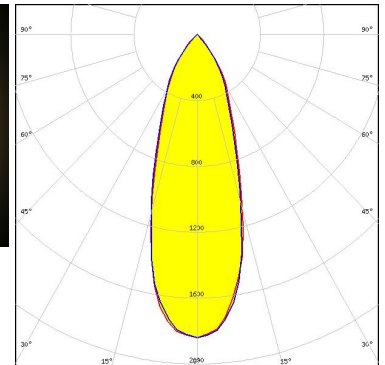
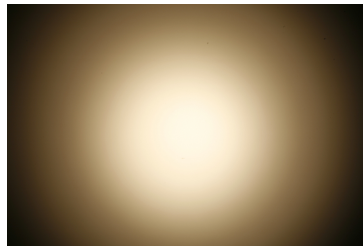
LED Soleriq S13  
 FWHM / FWTM 38.0° / 74.0°  
 Efficiency 82 %  
 Peak intensity 1.6 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C13333\_MIRELLA-CL



Light distribution files

**OSRAM**  
Opto Semiconductors

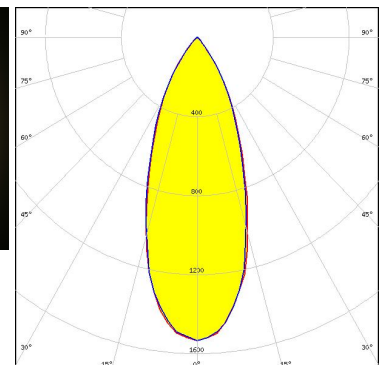
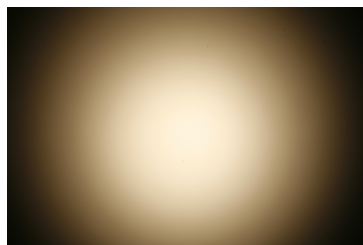
LED Soleriq S13  
 FWHM / FWTM 35.0° / 76.0°  
 Efficiency 87 %  
 Peak intensity 1.8 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files

**OSRAM**  
Opto Semiconductors

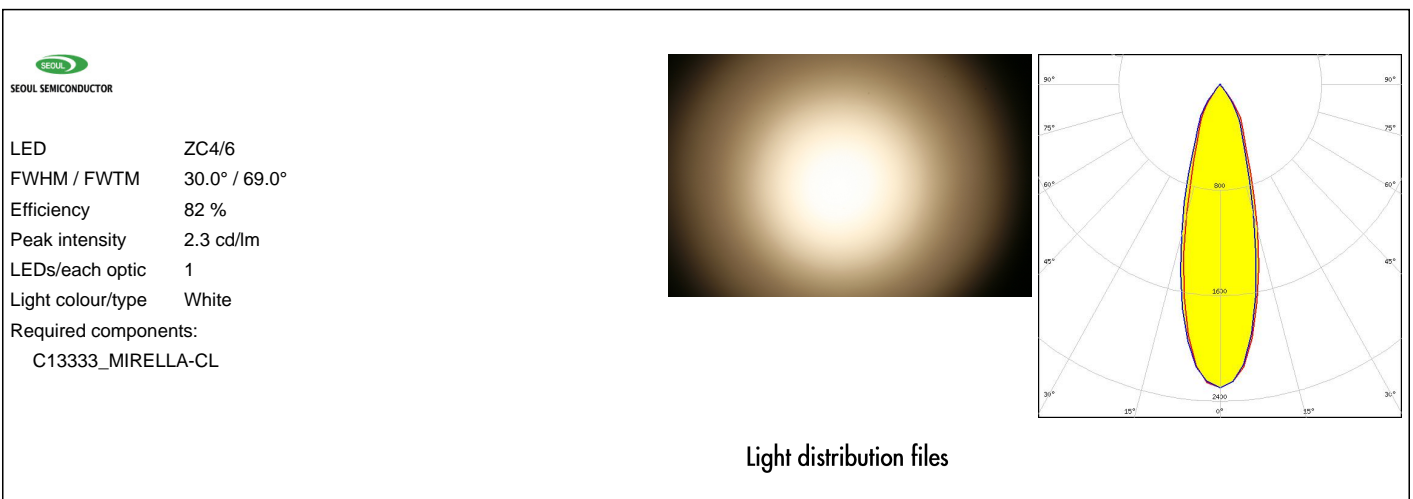
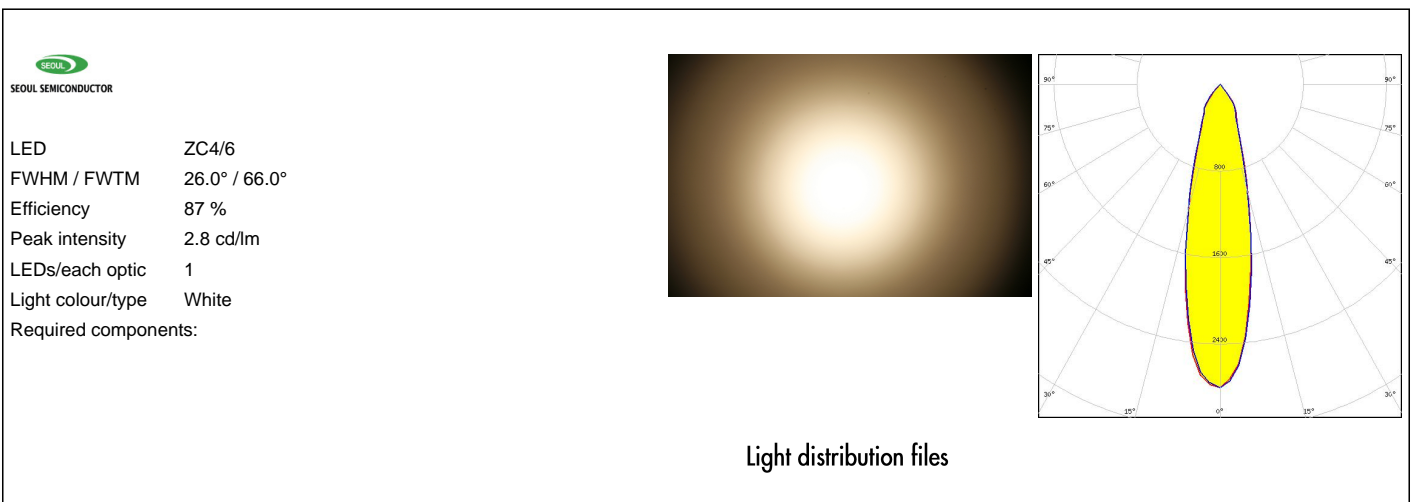
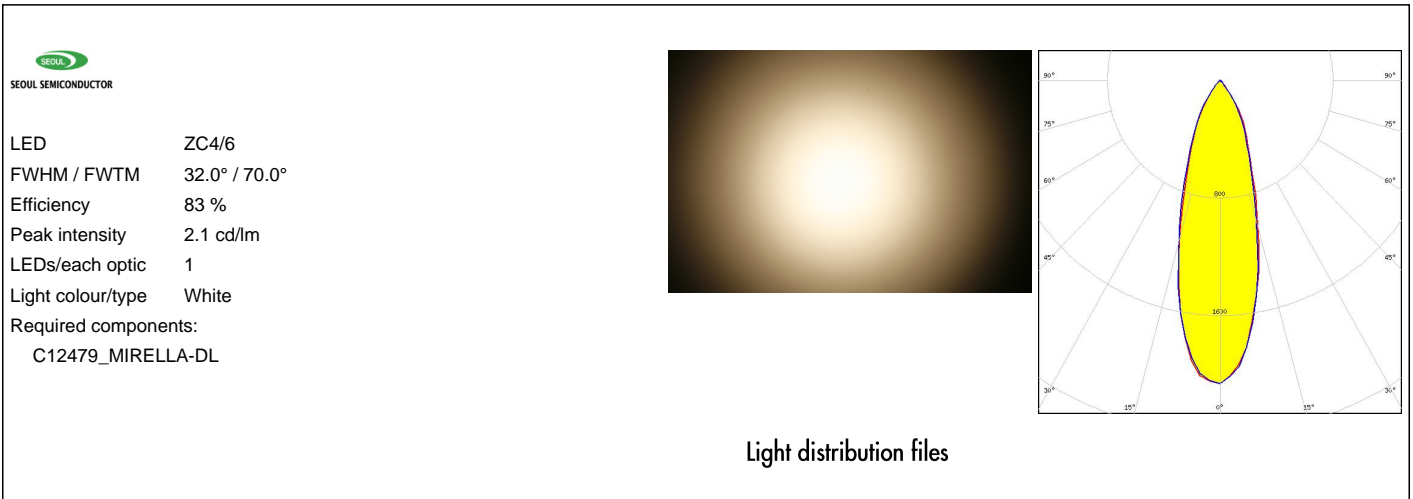
LED Soleriq S13  
 FWHM / FWTM 39.0° / 75.0°  
 Efficiency 81 %  
 Peak intensity 1.5 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C12479\_MIRELLA-DL



Light distribution files



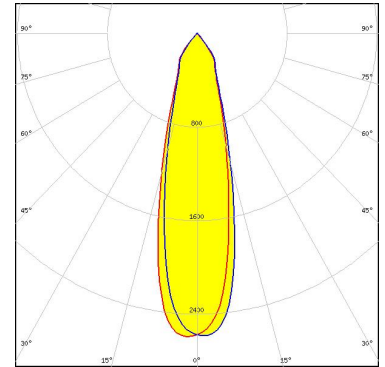
#### OPTICAL RESULTS (MEASURED):



### OPTICAL RESULTS (MEASURED):

## SHARP

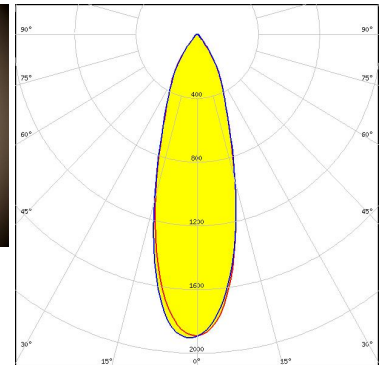
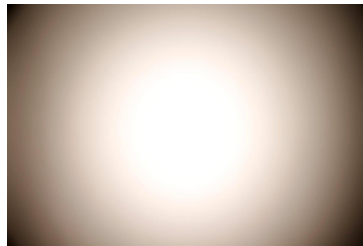
LED Mini Zenigata (GW5BM)  
FWHM / FWTM 29.0° / 71.0°  
Efficiency 90 %  
Peak intensity 2.7 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files

## SHARP

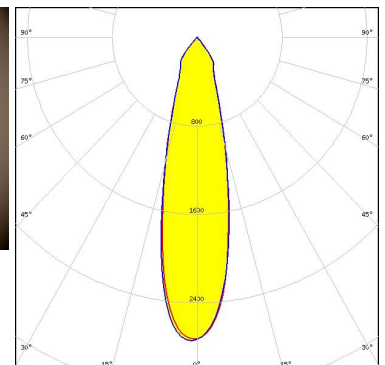
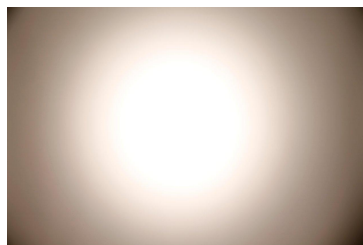
LED Mini Zenigata (GW6BM)  
FWHM / FWTM 30.0° / 70.0°  
Efficiency 83 %  
Peak intensity 1.9 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:  
C12479\_MIRELLA-DL



Light distribution files

## SHARP

LED Mini Zenigata (GW6BM)  
FWHM / FWTM 25.0° / 73.0°  
Efficiency 90 %  
Peak intensity 2.7 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

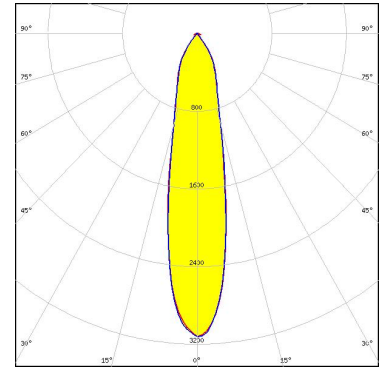


Light distribution files

### OPTICAL RESULTS (SIMULATED):



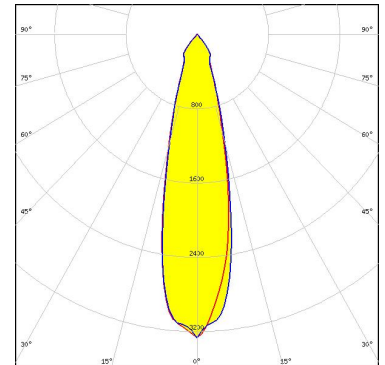
LED: Vero SE 10  
FWHM / FWTM: 22.0° / 64.0°  
Efficiency: 91 %  
Peak intensity: 3.1 cd/lm  
LEDs/each optic: 1  
Light colour/type: White  
Required components:



Light distribution files



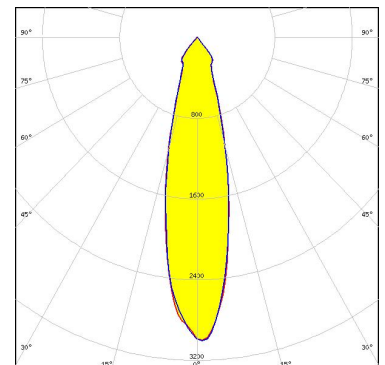
LED: LUXEON 7070  
FWHM / FWTM: 26.0° / 52.0°  
Efficiency: 96 %  
Peak intensity: 3.3 cd/lm  
LEDs/each optic: 1  
Light colour/type: White  
Required components:



Light distribution files



LED: OSCONIQ P 7070  
FWHM / FWTM: 25.0° / 59.0°  
Efficiency: 91 %  
Peak intensity: 3 cd/lm  
LEDs/each optic: 1  
Light colour/type: White  
Required components:

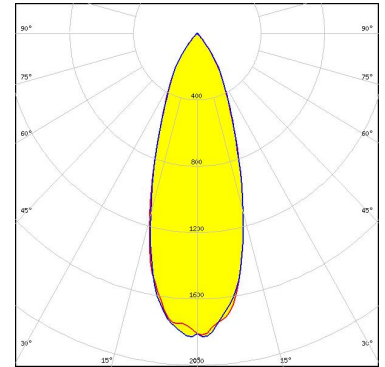


Light distribution files

#### OPTICAL RESULTS (SIMULATED):

**OSRAM**  
Opto Semiconductors

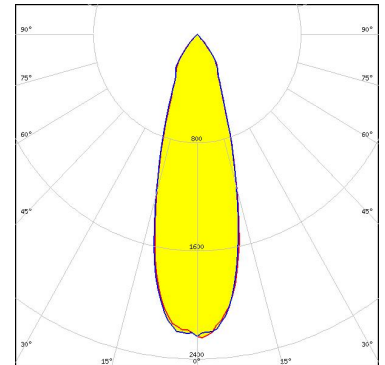
LED Soleriq S9  
 FWHM / FWTM 35.0° / 71.0°  
 Efficiency 85 %  
 Peak intensity 1.9 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C12479\_MIRELLA-DL



Light distribution files

**OSRAM**  
Opto Semiconductors

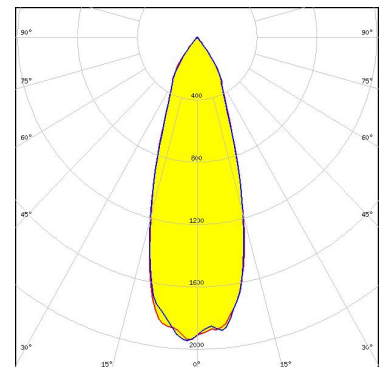
LED Soleriq S9  
 FWHM / FWTM 31.0° / 73.0°  
 Efficiency 91 %  
 Peak intensity 2.3 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files

**OSRAM**  
Opto Semiconductors

LED Soleriq S9  
 FWHM / FWTM 34.0° / 71.0°  
 Efficiency 87 %  
 Peak intensity 2 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C13333\_MIRELLA-CL



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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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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