

## MIRELLA-50-S

~15° spot beam

## SPECIFICATION:

Dimensions	Ø 49.9 mm
Height	24 mm
Fastening	glue
ROHS compliant	yes ⓘ

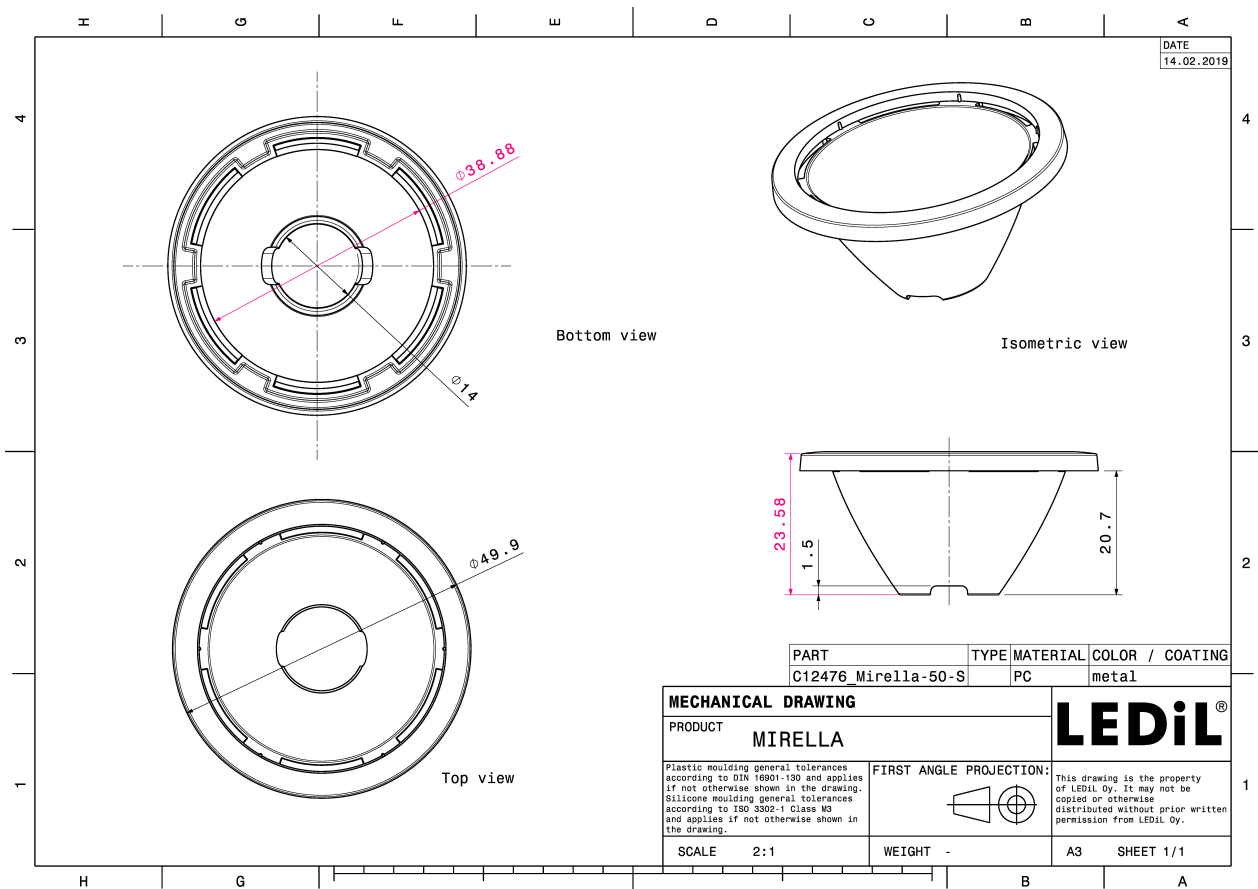
## MATERIALS:



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

## ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
C12476_MIRELLA-50-S » Box size: 480 x 280 x 300 mm	336	112	28	3.0



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

#### OPTICAL RESULTS (MEASURED):



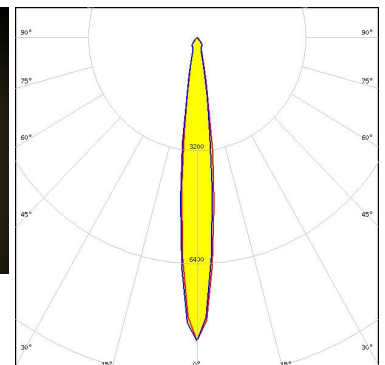
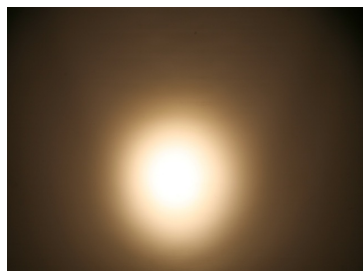
LED BXRA LS  
 FWHM / FWTM 14.0° / 28.0°  
 Efficiency 84 %  
 Peak intensity 6.7 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C13333\_MIRELLA-CL



Light distribution files



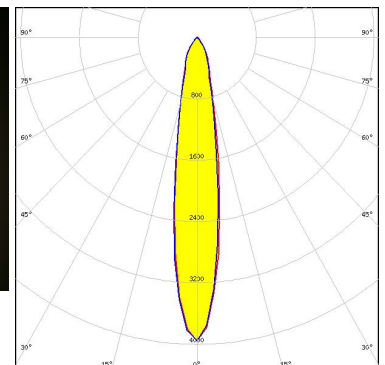
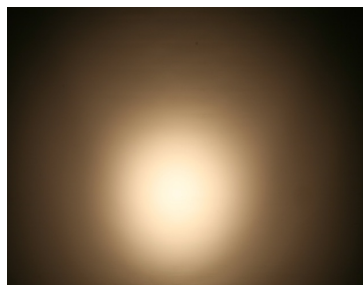
LED BXRA LS  
 FWHM / FWTM 13.0° / 27.0°  
 Efficiency 89 %  
 Peak intensity 8.6 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



LED BXRA LS  
 FWHM / FWTM 18.0° / 48.0°  
 Efficiency 83 %  
 Peak intensity 4 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C12479\_MIRELLA-DL



Light distribution files

## OPTICAL RESULTS (MEASURED):

### CITIZEN

LED CLL01x  
FWHM / FWTM 20.0° / 56.0°  
Efficiency %  
LEDs/each optic 1  
Light colour/type White  
Required components:  
C12479\_MIRELLA-DL



Light distribution files

### CITIZEN

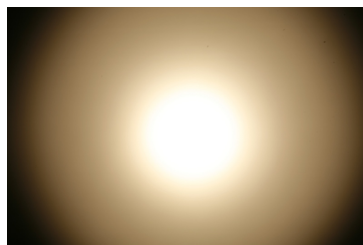
LED CLL01x  
FWHM / FWTM 17.0° / 32.0°  
Efficiency 84 %  
Peak intensity 5.5 cd/m  
LEDs/each optic 1  
Light colour/type White  
Required components:  
C13333\_MIRELLA-CL



Light distribution files

### CITIZEN

LED CLL02x/CLU02x (LES10)  
FWHM / FWTM 19.0° / 50.0°  
Efficiency 84 %  
Peak intensity 3.6 cd/m  
LEDs/each optic 1  
Light colour/type White  
Required components:  
C13333\_MIRELLA-CL

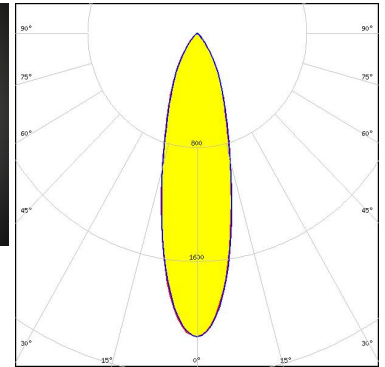
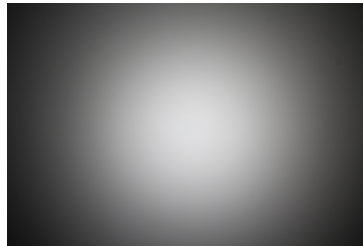




#### OPTICAL RESULTS (MEASURED):

#### CITIZEN

LED CLL02x/CLU02x (LES10)  
 FWHM / FWTM 28.0° / 67.0°  
 Efficiency 82 %  
 Peak intensity 2.1 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C12479\_MIRELLA-DL



Light distribution files

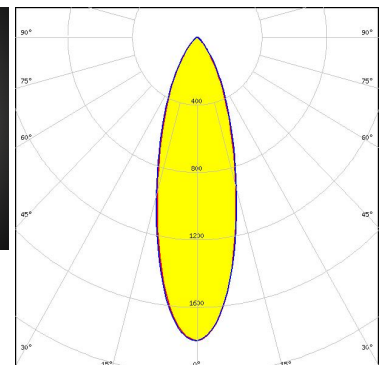
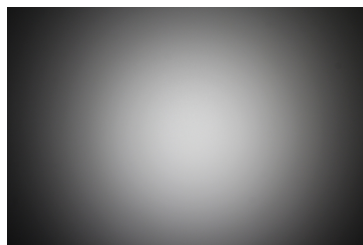
#### CITIZEN

LED CLL02x/CLU02x (LES10)  
 FWHM / FWTM 20.0° / 48.0°  
 Efficiency 93 %  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



#### CITIZEN

LED CLL02x/CLU02x (LES10)  
 FWHM / FWTM 32.0° / 70.0°  
 Efficiency 81 %  
 Peak intensity 1.8 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C13723\_MIRELLA-RZL

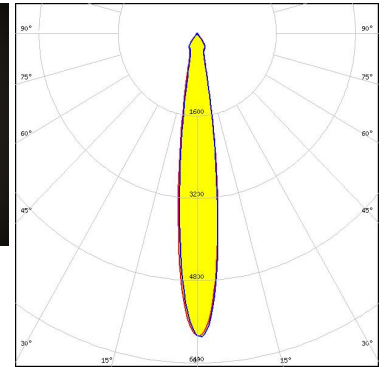


Light distribution files

#### OPTICAL RESULTS (MEASURED):

#### CITIZEN

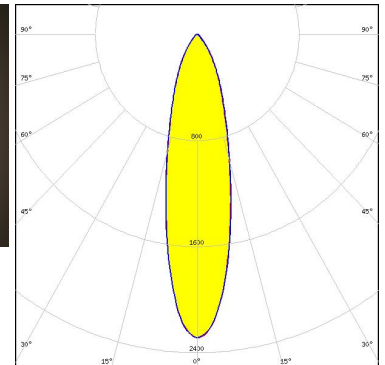
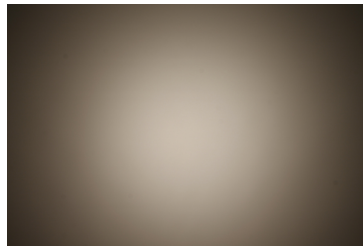
LED CLU700/701/702/703  
 FWHM / FWTM 15.0° / 32.0°  
 Efficiency 85 %  
 Peak intensity 5.9 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C13333\_MIRELLA-CL



Light distribution files

#### CITIZEN

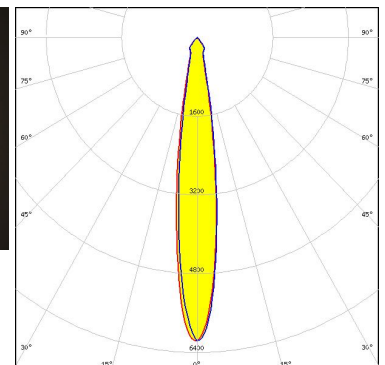
LED CLU700/701/702/703  
 FWHM / FWTM 26.0° / 64.0°  
 Efficiency 83 %  
 Peak intensity 2.3 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C13723\_MIRELLA-RZL



Light distribution files

#### CITIZEN

LED CLU700/701/702/703  
 FWHM / FWTM 15.0° / 32.0°  
 Efficiency 90 %  
 Peak intensity 6.2 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

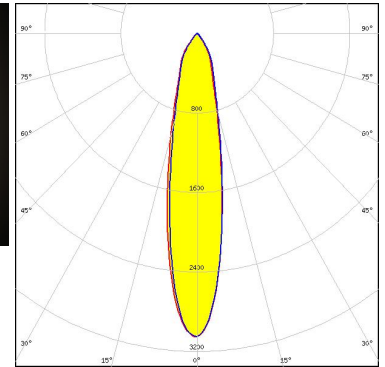
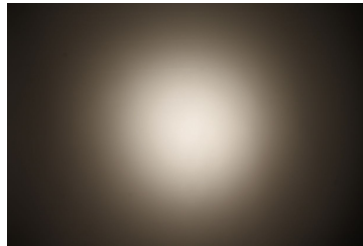


Light distribution files

#### OPTICAL RESULTS (MEASURED):

#### CITIZEN

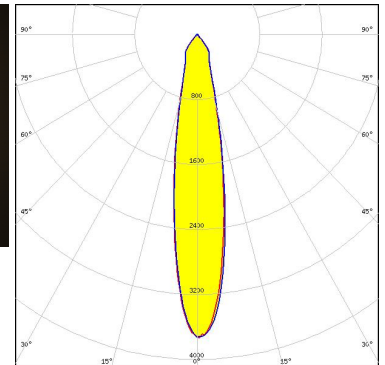
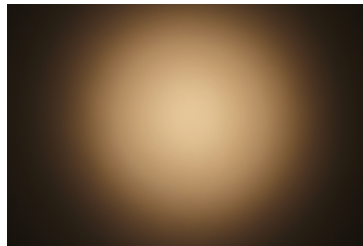
LED CLU700/701/702/703  
 FWHM / FWTM 21.0° / 59.0°  
 Efficiency 84 %  
 Peak intensity 3.1 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C12479\_MIRELLA-DL



Light distribution files

#### CITIZEN

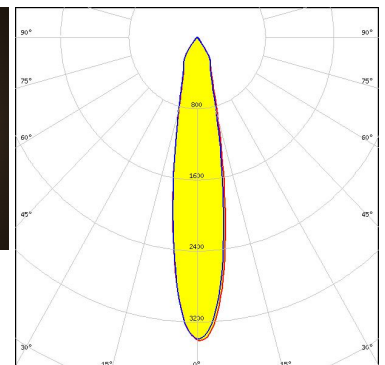
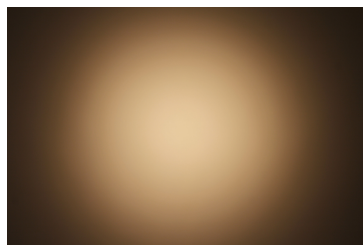
LED CLU710/711  
 FWHM / FWTM 20.0° / 49.0°  
 Efficiency 90 %  
 Peak intensity 3.7 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files

#### CITIZEN

LED CLU710/711  
 FWHM / FWTM 20.0° / 54.0°  
 Efficiency 85 %  
 Peak intensity 3.4 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C13333\_MIRELLA-CL

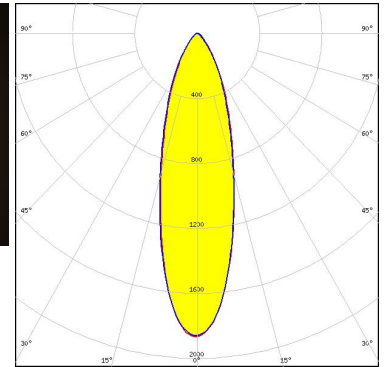
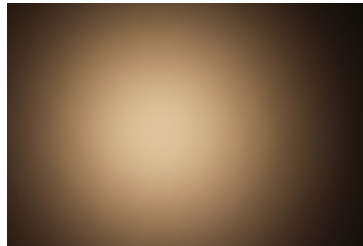


Light distribution files

#### OPTICAL RESULTS (MEASURED):

#### CITIZEN

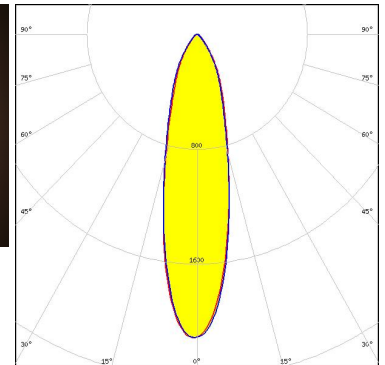
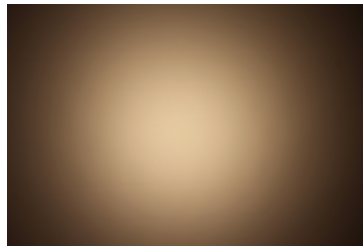
LED CLU710/711  
 FWHM / FWTM 29.0° / 69.0°  
 Efficiency 83 %  
 Peak intensity 1.9 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C13723\_MIRELLA-RZL



Light distribution files

#### CITIZEN

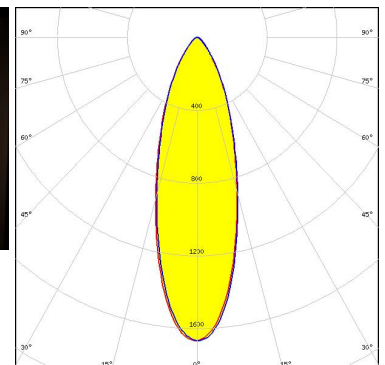
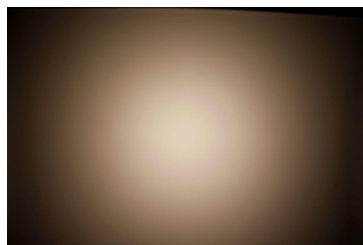
LED CLU710/711  
 FWHM / FWTM 26.0° / 67.0°  
 Efficiency 83 %  
 Peak intensity 2.1 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C12479\_MIRELLA-DL



Light distribution files

#### CITIZEN

LED CLU720/721/723  
 FWHM / FWTM 32.0° / 73.0°  
 Efficiency 83 %  
 Peak intensity 1.7 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C13723\_MIRELLA-RZL

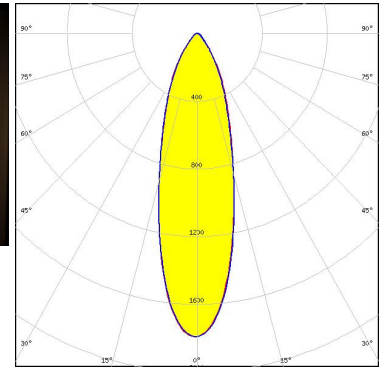
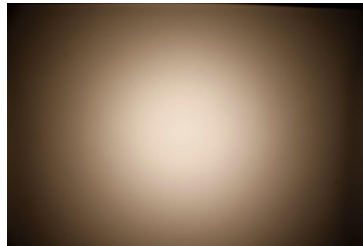


Light distribution files

#### OPTICAL RESULTS (MEASURED):

#### CITIZEN

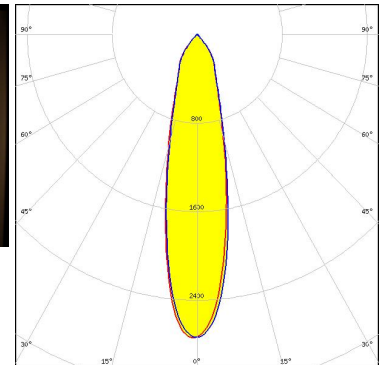
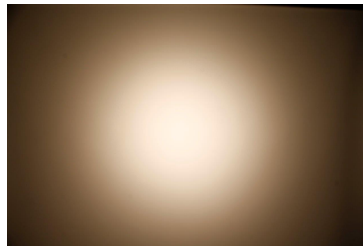
LED CLU720/721/723  
 FWHM / FWTM 30.0° / 71.0°  
 Efficiency 82 %  
 Peak intensity 1.8 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C12479\_MIRELLA-DL



Light distribution files

#### CITIZEN

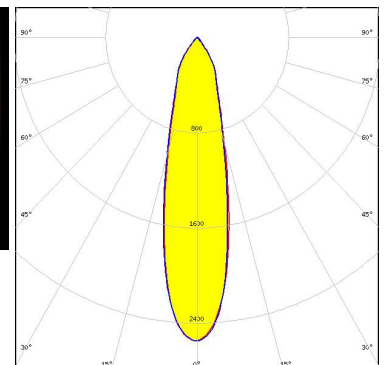
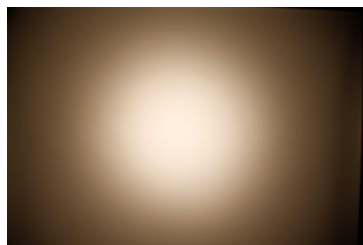
LED CLU720/721/723  
 FWHM / FWTM 24.0° / 68.0°  
 Efficiency 90 %  
 Peak intensity 2.4 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files

#### CITIZEN

LED CLU720/721/723  
 FWHM / FWTM 25.0° / 66.0°  
 Efficiency 85 %  
 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):



LED CXA/B 13xx  
FWHM / FWTM 15.0° / 36.0°  
Efficiency 81 %  
Peak intensity 5.4 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:  
C12479\_MIRELLA-DL



LED CXA/B 13xx  
FWHM / FWTM 12.0° / 25.0°  
Efficiency 87 %  
Peak intensity 9.5 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



LED CXA/B 13xx  
FWHM / FWTM 12.0° / 25.0°  
Efficiency 82 %  
Peak intensity 8.5 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:  
C13333\_MIRELLA-CL





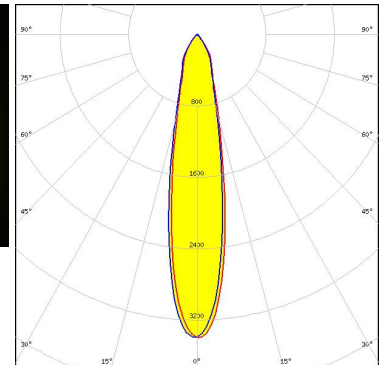
#### OPTICAL RESULTS (MEASURED):



LED CXA/B 15xx  
FWHM / FWTM 19.0° / 47.0°  
Efficiency 84 %  
Peak intensity 4.3 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:  
C13333\_MIRELLA-CL



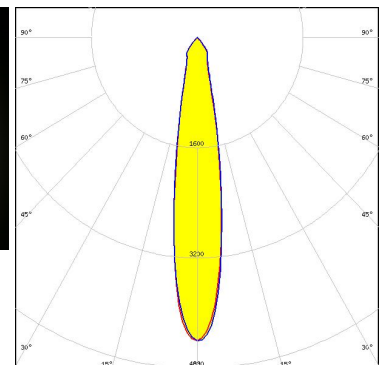
LED CXA/B 15xx  
FWHM / FWTM 20.0° / 60.0°  
Efficiency 90 %  
Peak intensity 3.1 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:  
C12479\_MIRELLA-DL



Light distribution files



LED CXA/B 15xx  
FWHM / FWTM 16.0° / 38.0°  
Efficiency 93 %  
Peak intensity 5.1 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files

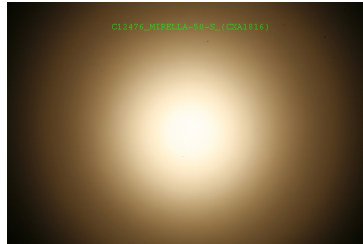
### OPTICAL RESULTS (MEASURED):



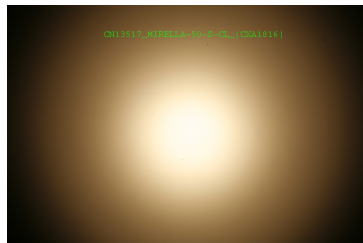
LED CXA/B 1816 & CXA/B 1820 & CXA 1850  
 FWHM / FWTM 26.0° / 68.0°  
 Efficiency 83 %  
 Peak intensity 2.6 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C12479\_MIRELLA-DL



LED CXA/B 1816 & CXA/B 1820 & CXA 1850  
 FWHM / FWTM 23.0° / 68.0°  
 Efficiency 89 %  
 Peak intensity 3.2 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



LED CXA/B 1816 & CXA/B 1820 & CXA 1850  
 FWHM / FWTM 25.0° / 68.0°  
 Efficiency 83 %  
 Peak intensity 2.9 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C13333\_MIRELLA-CL

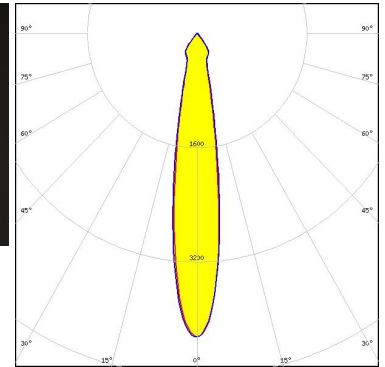
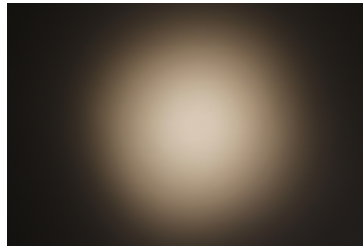




#### OPTICAL RESULTS (MEASURED):



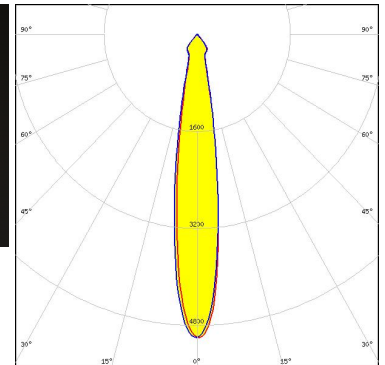
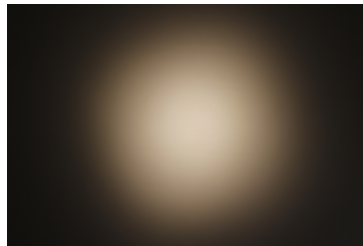
LED MHD-E/G  
FWHM / FWTM 18.0° / 40.0°  
Efficiency 89 %  
Peak intensity 4.2 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:  
C13333\_MIRELLA-CL



Light distribution files



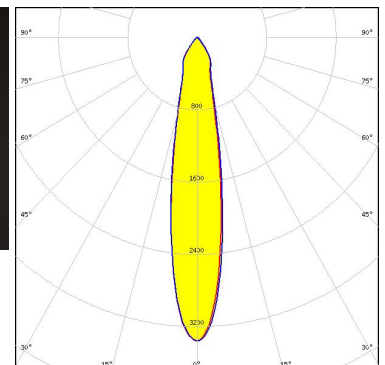
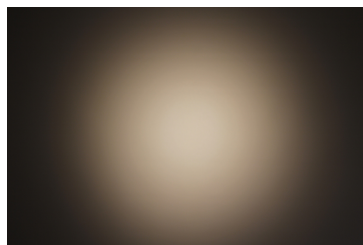
LED MHD-E/G  
FWHM / FWTM 16.0° / 35.0°  
Efficiency 94 %  
Peak intensity 5 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



LED MHD-E/G  
FWHM / FWTM 20.0° / 57.0°  
Efficiency 88 %  
Peak intensity 3.3 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:  
C12479\_MIRELLA-DL

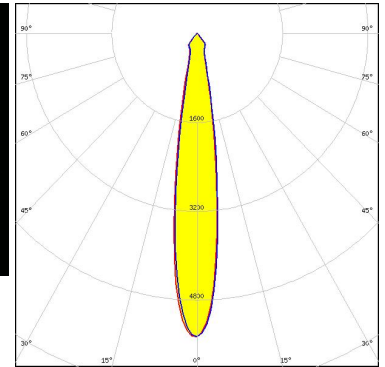


Light distribution files

#### OPTICAL RESULTS (MEASURED):



LED MT-G2  
 FWHM / FWTM 17.0° / 35.0°  
 Efficiency 92 %  
 Peak intensity 5.5 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



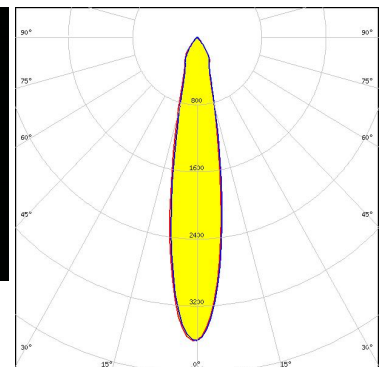
LED MT-G2  
 FWHM / FWTM 18.0° / 37.0°  
 Efficiency 85 %  
 Peak intensity 4.7 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C13333\_MIRELLA-CL



Light distribution files



LED MT-G2  
 FWHM / FWTM 20.0° / 50.0°  
 Efficiency 85 %  
 Peak intensity 3.7 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C12479\_MIRELLA-DL

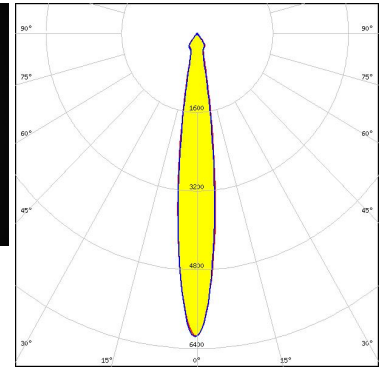


Light distribution files

#### OPTICAL RESULTS (MEASURED):



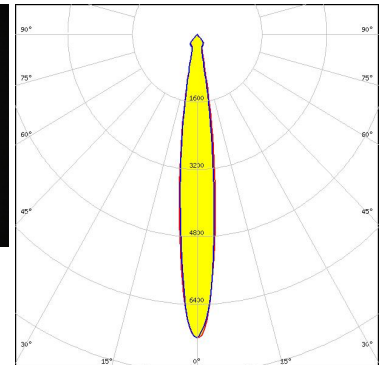
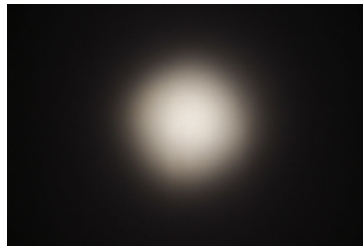
LED XHP50  
 FWHM / FWTM 14.0° / 30.0°  
 Efficiency 86 %  
 Peak intensity 6.2 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C13333\_MIRELLA-CL



Light distribution files



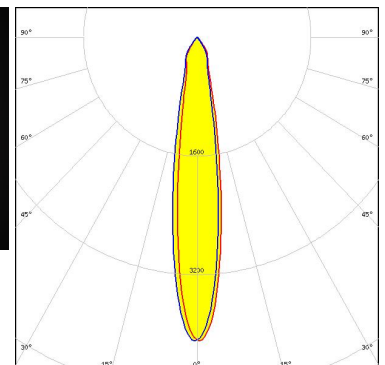
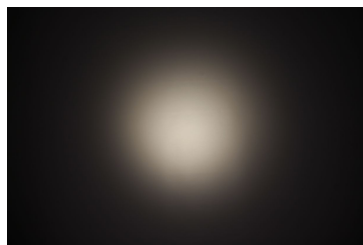
LED XHP50  
 FWHM / FWTM 14.0° / 28.0°  
 Efficiency 92 %  
 Peak intensity 7.2 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



LED XHP50  
 FWHM / FWTM 17.0° / 44.0°  
 Efficiency 85 %  
 Peak intensity 4.1 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C12479\_MIRELLA-DL

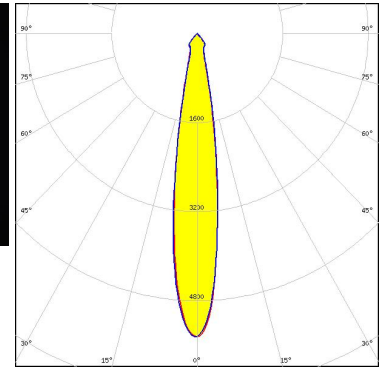


Light distribution files

#### OPTICAL RESULTS (MEASURED):



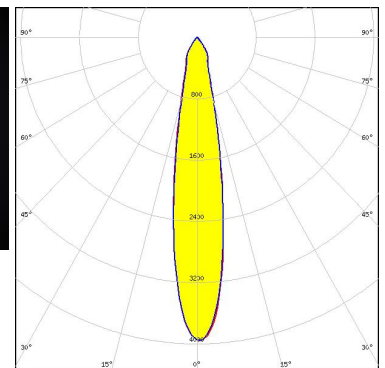
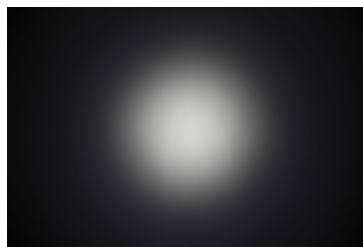
LED XHP70  
FWHM / FWTM 17.0° / 34.0°  
Efficiency 90 %  
Peak intensity 5.5 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



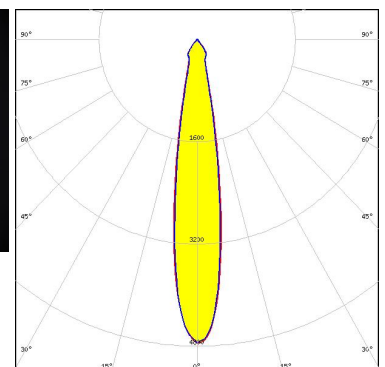
LED XHP70  
FWHM / FWTM 19.0° / 44.0°  
Efficiency 86 %  
Peak intensity 4 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:  
C12479\_MIRELLA-DL



Light distribution files



LED XHP70  
FWHM / FWTM 18.0° / 36.0°  
Efficiency 86 %  
Peak intensity 4.8 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:  
C13333\_MIRELLA-CL

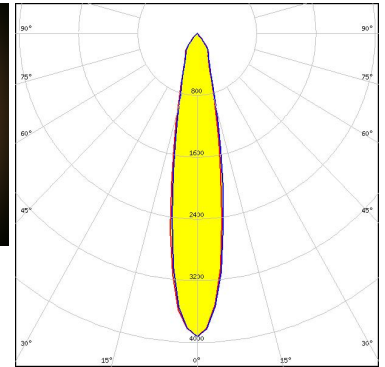


Light distribution files

#### OPTICAL RESULTS (MEASURED):



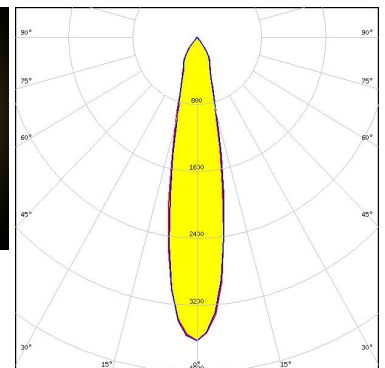
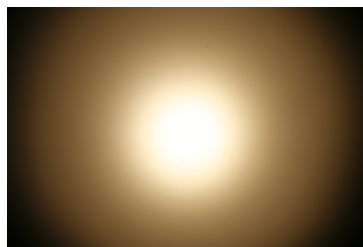
LED LUXEON CoB 1202/1203  
 FWHM / FWTM 20.0° / 49.0°  
 Efficiency 89 %  
 Peak intensity 3.9 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



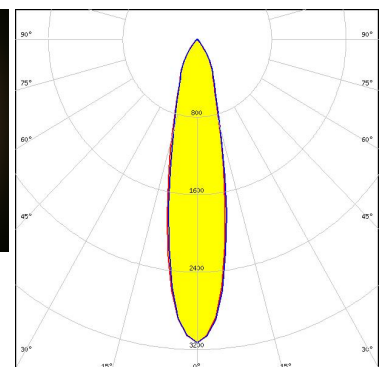
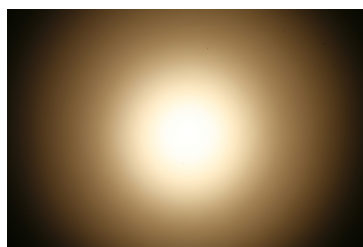
LED LUXEON CoB 1202/1203  
 FWHM / FWTM 21.0° / 52.0°  
 Efficiency 86 %  
 Peak intensity 3.6 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C13333\_MIRELLA-CL



Light distribution files



LED LUXEON CoB 1202/1203  
 FWHM / FWTM 23.0° / 60.0°  
 Efficiency 85 %  
 Peak intensity 3.1 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C12479\_MIRELLA-DL



Light distribution files

## OPTICAL RESULTS (MEASURED):



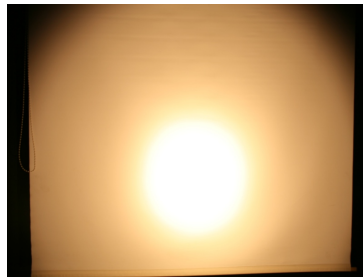
LED LUXEON S1000  
FWHM / FWTM 21.0° / 60.0°  
Efficiency %  
LEDs/each optic 1  
Light colour/type White  
Required components:  
C12479\_MIRELLA-DL



Light distribution files



LED LUXEON S1000  
FWHM / FWTM 17.0° / 38.0°  
Efficiency %  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



LED LUXEON S1000  
FWHM / FWTM 14.0° / 37.0°  
Efficiency 84 %  
Peak intensity 5.5 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:  
C13333\_MIRELLA-CL



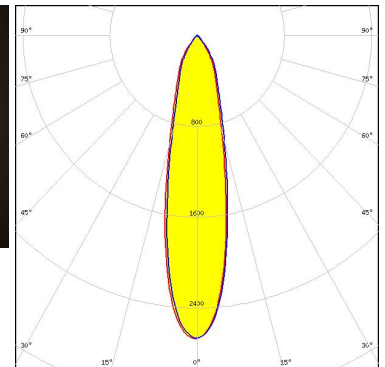
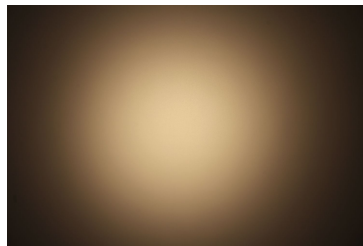
Light distribution files



#### OPTICAL RESULTS (MEASURED):



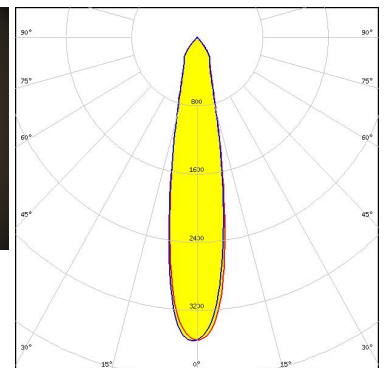
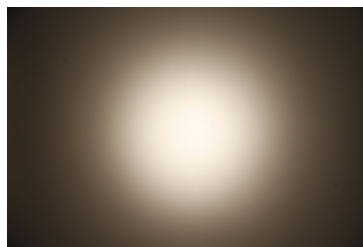
LED CxM-9 (13.5x13.5)  
 FWHM / FWTM 24.0° / 63.0°  
 Efficiency 84 %  
 Peak intensity 2.7 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C12479\_MIRELLA-DL



Light distribution files



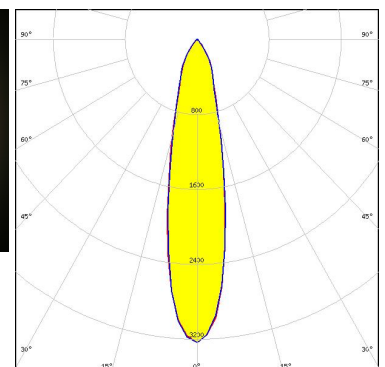
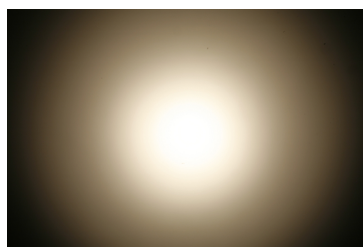
LED CxM-9 (13.5x13.5)  
 FWHM / FWTM 21.0° / 53.0°  
 Efficiency 90 %  
 Peak intensity 3.6 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



LED COB L-Type (LES 9)  
 FWHM / FWTM 23.0° / 59.0°  
 Efficiency 86 %  
 Peak intensity 3.2 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C12479\_MIRELLA-DL

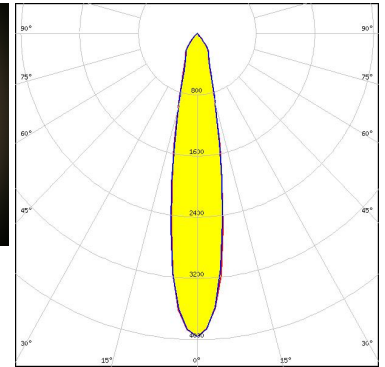


Light distribution files

#### OPTICAL RESULTS (MEASURED):



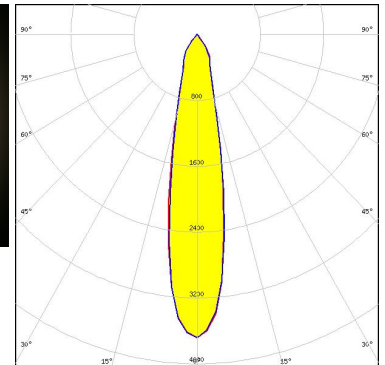
LED COB L-Type (LES 9)  
 FWHM / FWTM 20.0° / 48.0°  
 Efficiency 90 %  
 Peak intensity 4 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



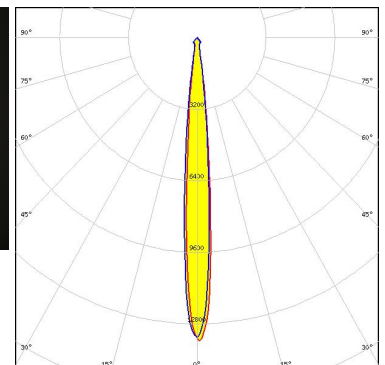
LED COB L-Type (LES 9)  
 FWHM / FWTM 22.0° / 53.0°  
 Efficiency 87 %  
 Peak intensity 3.7 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C13333\_MIRELLA-CL



Light distribution files



LED NFMW48xA  
 FWHM / FWTM 9.5° / 20.0°  
 Efficiency 88 %  
 Peak intensity 13.6 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



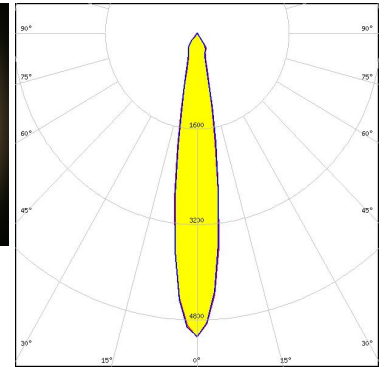
Light distribution files



#### OPTICAL RESULTS (MEASURED):



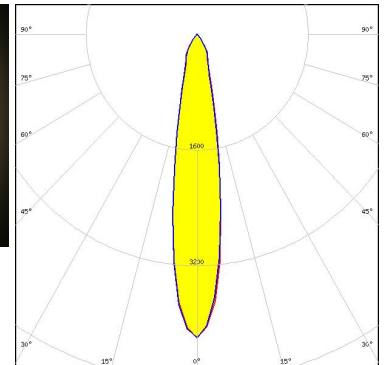
LED NSCxL036A  
 FWHM / FWTM 17.0° / 37.0°  
 Efficiency 84 %  
 Peak intensity 5 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C13333\_MIRELLA-CL



Light distribution files



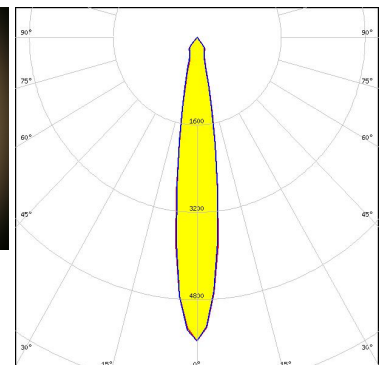
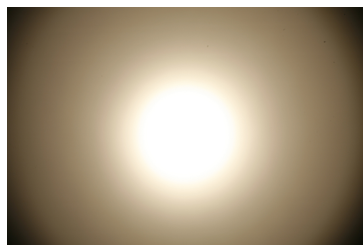
LED NSCxL036A  
 FWHM / FWTM 19.0° / 46.0°  
 Efficiency 84 %  
 Peak intensity 4.2 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C12479\_MIRELLA-DL



Light distribution files



LED NSCxL036A  
 FWHM / FWTM 17.0° / 35.0°  
 Efficiency 88 %  
 Peak intensity 5.6 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 20.0° / 57.0°  
Efficiency 81 %  
Peak intensity 3.4 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:  
C12479\_MIRELLA-DL



Light distribution files

**OSRAM**  
Opto Semiconductors

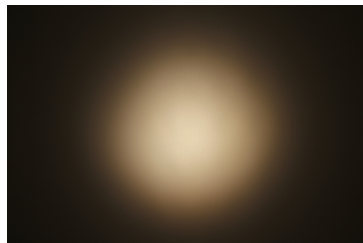
LED Duris S10  
FWHM / FWTM 15.0° / 33.0°  
Efficiency 83 %  
Peak intensity 6.7 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:  
C13333\_MIRELLA-CL



Light distribution files

**OSRAM**  
Opto Semiconductors

LED Duris S10  
FWHM / FWTM 15.0° / 33.0°  
Efficiency 89 %  
Peak intensity 6.5 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

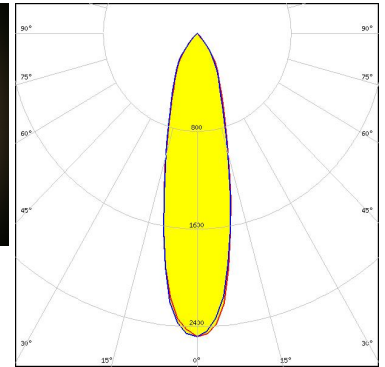


Light distribution files

#### OPTICAL RESULTS (MEASURED):

**OSRAM**  
Opto Semiconductors

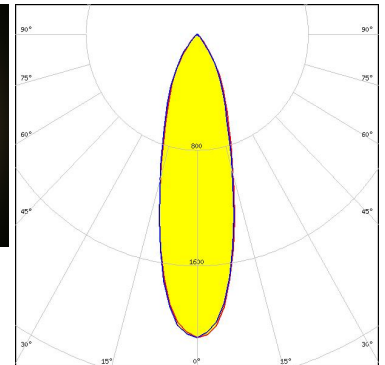
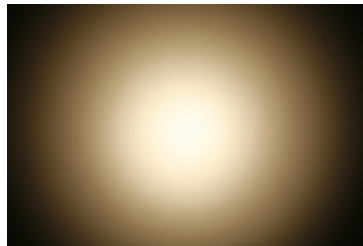
LED Soleriq S13  
FWHM / FWTM 27.0° / 70.0°  
Efficiency 87 %  
Peak intensity 2.5 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files

**OSRAM**  
Opto Semiconductors

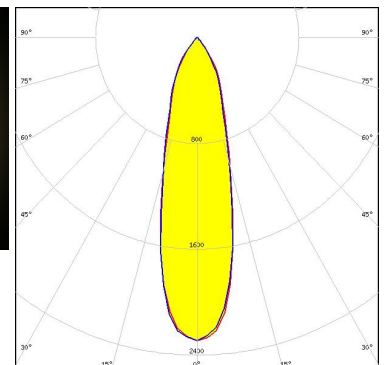
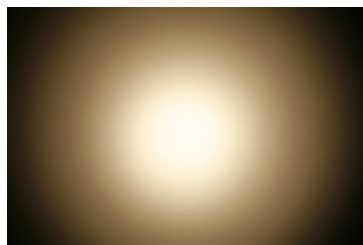
LED Soleriq S13  
FWHM / FWTM 30.0° / 70.0°  
Efficiency 83 %  
Peak intensity 2.1 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:  
C12479\_MIRELLA-DL



Light distribution files

**OSRAM**  
Opto Semiconductors

LED Soleriq S13  
FWHM / FWTM 28.0° / 69.0°  
Efficiency 82 %  
Peak intensity 2.3 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:  
C13333\_MIRELLA-CL

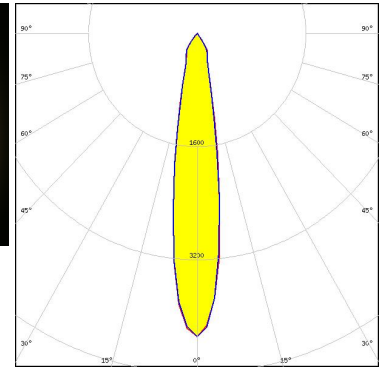


Light distribution files

#### OPTICAL RESULTS (MEASURED):



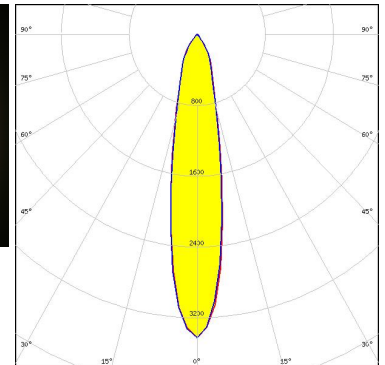
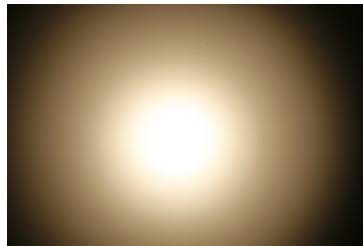
LED ZC4/6  
FWHM / FWTM 19.0° / 44.0°  
Efficiency 82 %  
Peak intensity 4.3 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:  
C13333\_MIRELLA-CL



Light distribution files



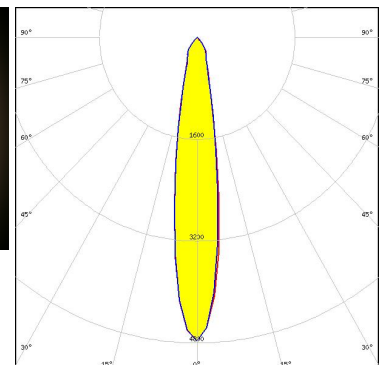
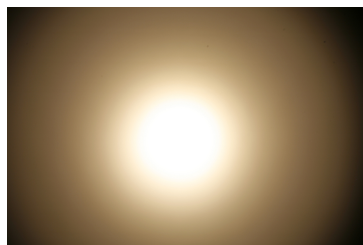
LED ZC4/6  
FWHM / FWTM 21.0° / 56.0°  
Efficiency 83 %  
Peak intensity 3.4 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:  
C12479\_MIRELLA-DL



Light distribution files



LED ZC4/6  
FWHM / FWTM 18.0° / 42.0°  
Efficiency 88 %  
Peak intensity 4.8 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

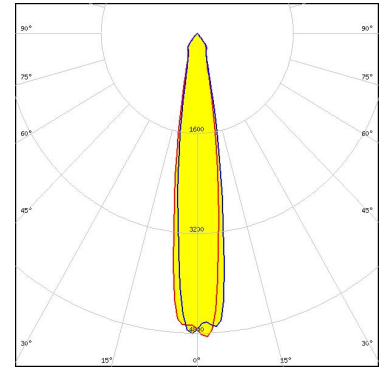


Light distribution files

#### OPTICAL RESULTS (MEASURED):

### SHARP

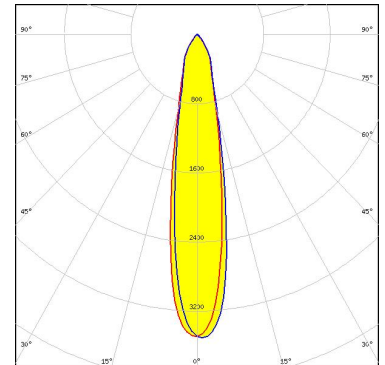
LED Mini Zenigata (GW5BM)  
 FWHM / FWTM 17.0° / 39.0°  
 Efficiency 92 %  
 Peak intensity 4.8 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files

### SHARP

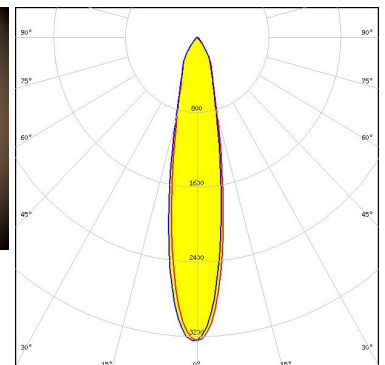
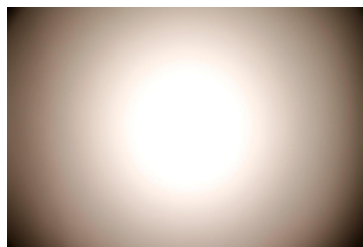
LED Mini Zenigata (GW5BM)  
 FWHM / FWTM 20.0° / 54.0°  
 Efficiency 86 %  
 Peak intensity 3.5 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C12479\_MIRELLA-DL



Light distribution files

### SHARP

LED Mini Zenigata (GW6BM)  
 FWHM / FWTM 20.0° / 56.0°  
 Efficiency 84 %  
 Peak intensity 3.2 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C12479\_MIRELLA-DL

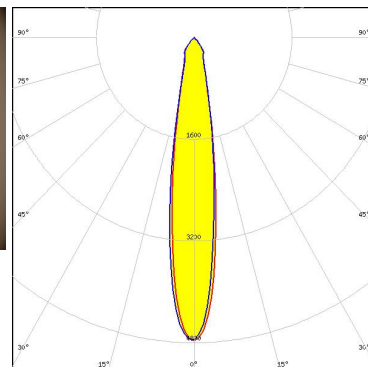
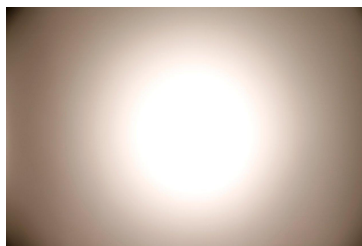


Light distribution files

## OPTICAL RESULTS (MEASURED):

**SHARP**

LED Mini Zenigata (GW6BM)  
FWHM / FWTM 17.0° / 41.0°  
Efficiency 91 %  
Peak intensity 4.8 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

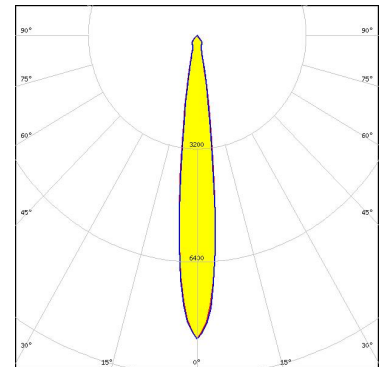


Light distribution files

#### OPTICAL RESULTS (SIMULATED):



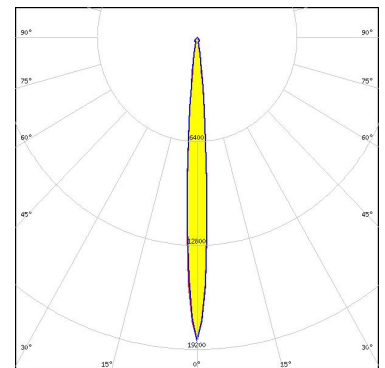
LED LUXEON 7070  
 FWHM / FWTM 14.0° / 27.0°  
 Efficiency 96 %  
 Peak intensity 8.6 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



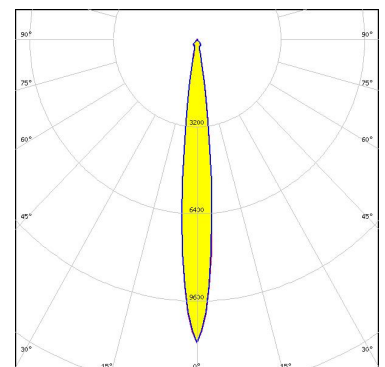
LED LUXEON V  
 FWHM / FWTM 7.7° / 17.0°  
 Efficiency 89 %  
 Peak intensity 18.7 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



LED NV4x144A  
 FWHM / FWTM 12.0° / 22.0°  
 Efficiency 90 %  
 Peak intensity 11.1 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

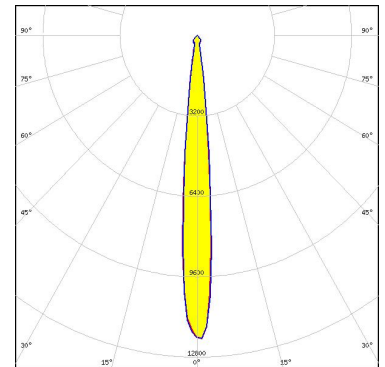


Light distribution files

#### OPTICAL RESULTS (SIMULATED):

**OSRAM**  
Opto Semiconductors

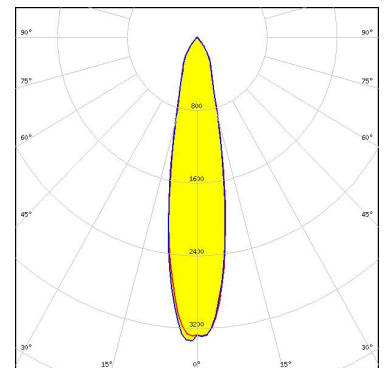
LED: OSCONIQ P 7070  
FWHM / FWTM: 11.0° / 21.0°  
Efficiency: 91 %  
Peak intensity: 12.2 cd/lm  
LEDs/each optic: 1  
Light colour/type: White  
Required components:



Light distribution files

**OSRAM**  
Opto Semiconductors

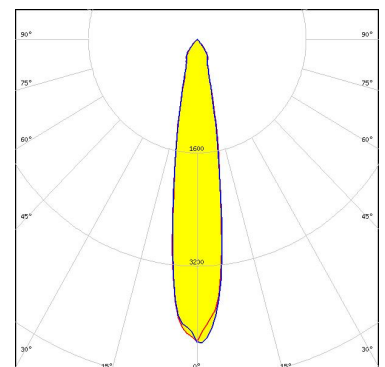
LED: Soleriq S9  
FWHM / FWTM: 21.0° / 55.0°  
Efficiency: 86 %  
Peak intensity: 3.4 cd/lm  
LEDs/each optic: 1  
Light colour/type: White  
Required components:  
C12479\_MIRELLA-DL



Light distribution files

**OSRAM**  
Opto Semiconductors

LED: Soleriq S9  
FWHM / FWTM: 19.0° / 44.0°  
Efficiency: 91 %  
Peak intensity: 4.4 cd/lm  
LEDs/each optic: 1  
Light colour/type: White  
Required components:



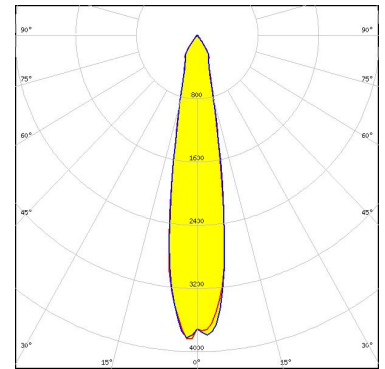
Light distribution files



### OPTICAL RESULTS (SIMULATED):

**OSRAM**  
Opto Semiconductors

LED Soleriq S9  
FWHM / FWTM 20.0° / 48.0°  
Efficiency 87 %  
Peak intensity 3.9 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.

### 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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P.R.CHINA

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[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)