

## MIRELLA-50-W

~40° wide beam

### SPECIFICATION:

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

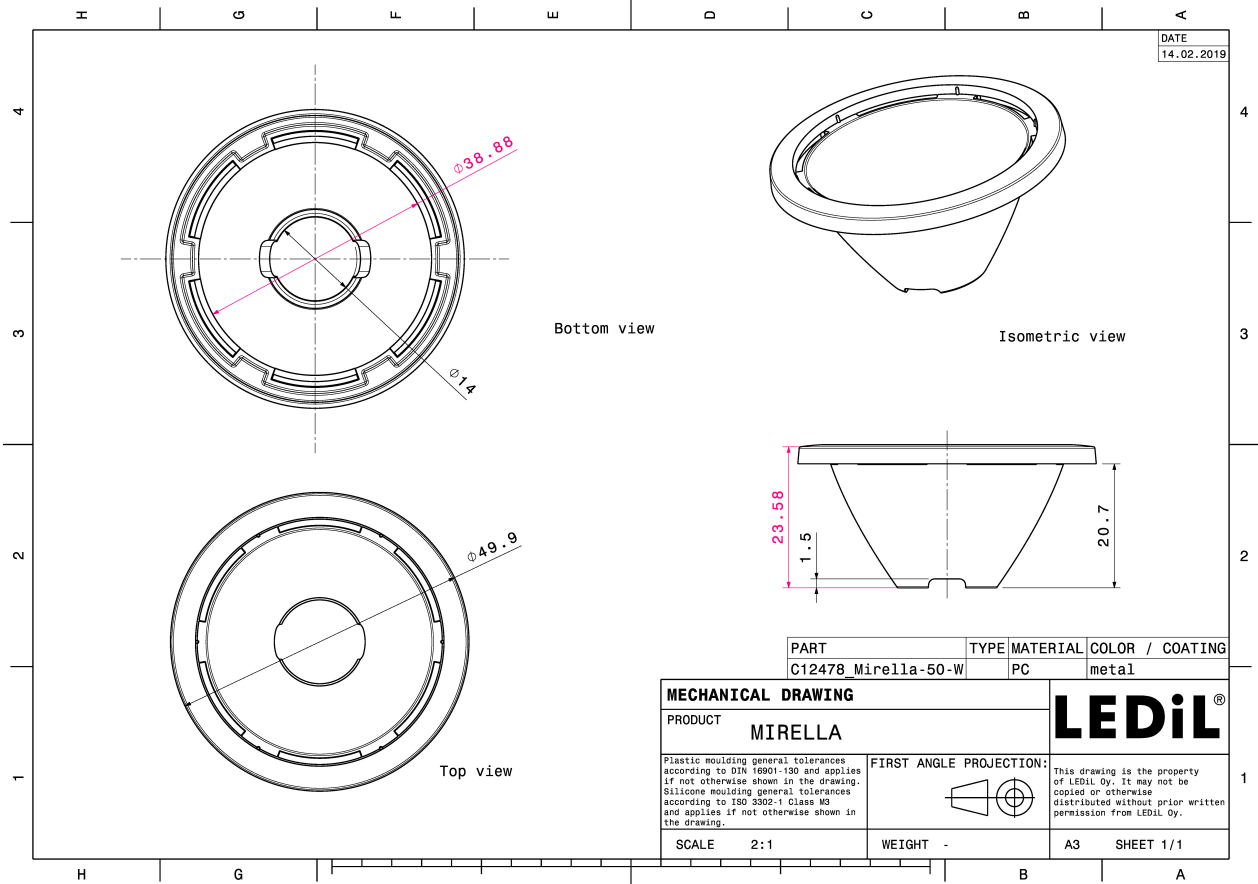
### MATERIALS:

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



### ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
C12478_MIRELLA-50-W » Box size: 480 x 280 x 300 mm	336	112	28	3.0

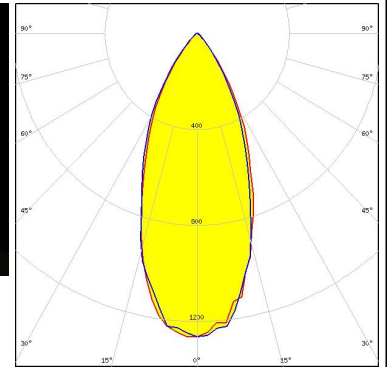


See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)

#### OPTICAL RESULTS (MEASURED):

bridgelux.

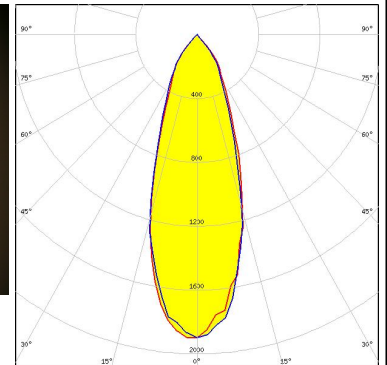
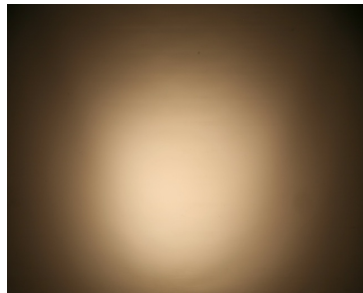
LED BXRA LS  
 FWHM / FWTM 43.0° / 78.0°  
 Efficiency 82 %  
 Peak intensity 1.3 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C12479\_MIRELLA-DL



Light distribution files

bridgelux.

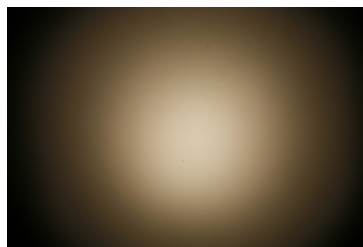
LED BXRA LS  
 FWHM / FWTM 35.0° / 78.0°  
 Efficiency 88 %  
 Peak intensity 1.9 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files

bridgelux.

LED BXRA LS  
 FWHM / FWTM 42.0° / 78.0°  
 Efficiency 84 %  
 Peak intensity 1.4 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C13333\_MIRELLA-CL

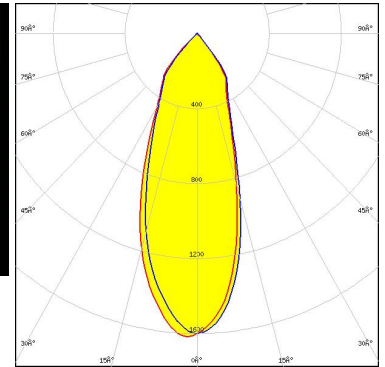


Light distribution files

#### OPTICAL RESULTS (MEASURED):

### CITIZEN

LED CLL01x  
FWHM / FWTM 44.0° / 85.0°  
Efficiency %  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files

### CITIZEN

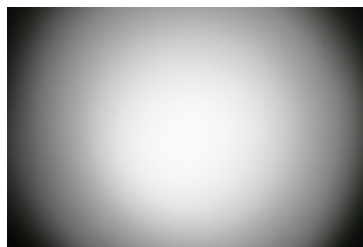
LED CLL01x  
FWHM / FWTM 50.0° / 86.0°  
Efficiency %  
LEDs/each optic 1  
Light colour/type White  
Required components:  
C12479\_MIRELLA-DL



Light distribution files

### CITIZEN

LED CLL01x  
FWHM / FWTM 48.0° / 80.0°  
Efficiency 84 %  
Peak intensity 1.2 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:  
C13333\_MIRELLA-CL

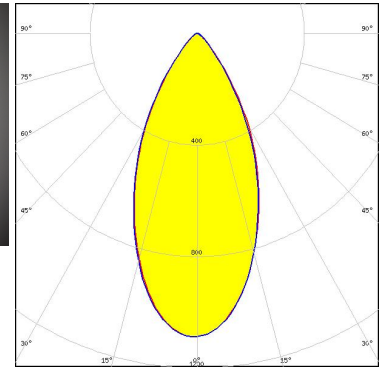


Light distribution files

#### OPTICAL RESULTS (MEASURED):

### CITIZEN

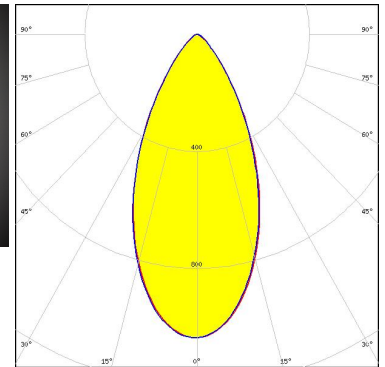
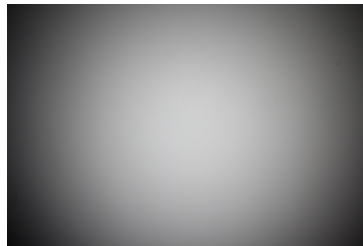
LED CLL02x/CLU02x (LES10)  
FWHM / FWTM 50.0° / 84.0°  
Efficiency 83 %  
Peak intensity 1.1 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:  
C12479\_MIRELLA-DL



Light distribution files

### CITIZEN

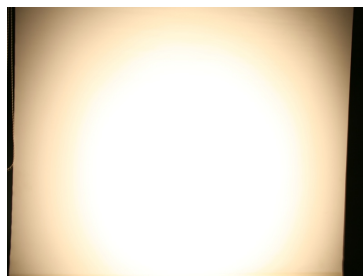
LED CLL02x/CLU02x (LES10)  
FWHM / FWTM 50.0° / 87.0°  
Efficiency 82 %  
Peak intensity 1 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:  
C13723\_MIRELLA-RZL



Light distribution files

### CITIZEN

LED CLL02x/CLU02x (LES10)  
FWHM / FWTM 48.0° / 82.0°  
Efficiency 82 %  
LEDs/each optic 1  
Light colour/type White  
Required components:  
C12479\_MIRELLA-DL



Light distribution files

#### OPTICAL RESULTS (MEASURED):

### CITIZEN

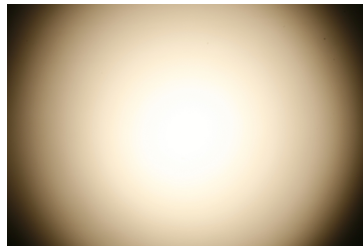
LED CLL02x/CLU02x (LES10)  
FWHM / FWTM 42.0° / 82.0°  
Efficiency 90 %  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files

### CITIZEN

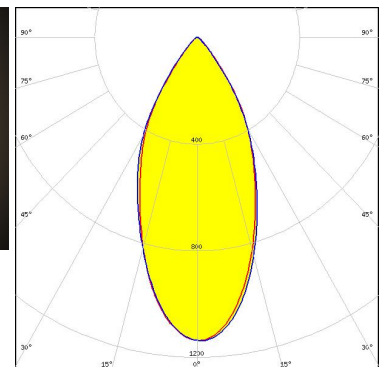
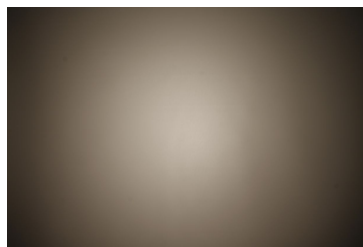
LED CLL02x/CLU02x (LES10)  
FWHM / FWTM 46.0° / 78.0°  
Efficiency 84 %  
Peak intensity 1.2 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:  
C13333\_MIRELLA-CL



Light distribution files

### CITIZEN

LED CLU700/701/702/703  
FWHM / FWTM 47.0° / 81.0°  
Efficiency 82 %  
Peak intensity 1.1 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:  
C12479\_MIRELLA-DL

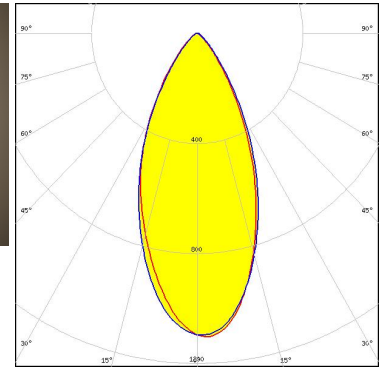
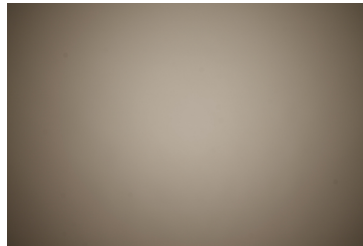


Light distribution files

### OPTICAL RESULTS (MEASURED):

#### CITIZEN

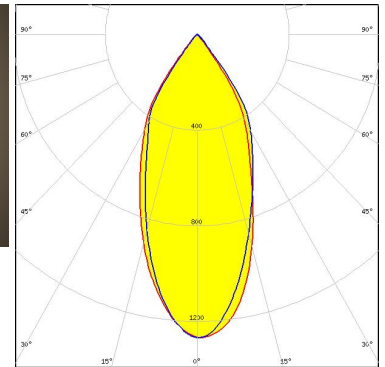
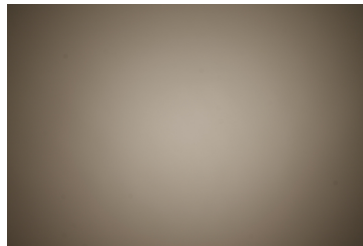
LED CLU700/701/702/703  
FWHM / FWTM 46.0° / 83.0°  
Efficiency 80 %  
Peak intensity 1.1 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:  
C13723\_MIRELLA-RZL



Light distribution files

#### CITIZEN

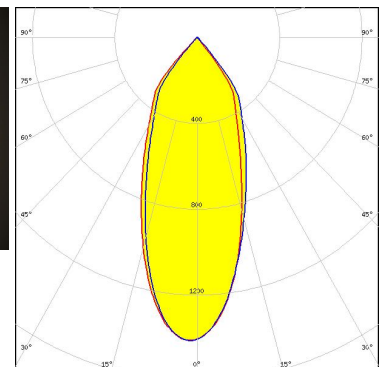
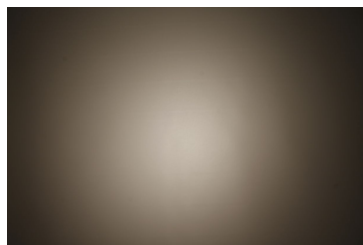
LED CLU700/701/702/703  
FWHM / FWTM 44.0° / 77.0°  
Efficiency 82 %  
Peak intensity 1.3 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:  
C13333\_MIRELLA-CL



Light distribution files

#### CITIZEN

LED CLU700/701/702/703  
FWHM / FWTM 40.0° / 83.0°  
Efficiency 88 %  
Peak intensity 1.4 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

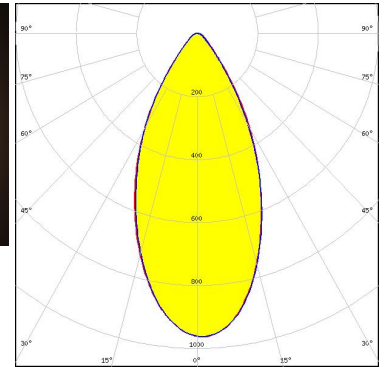
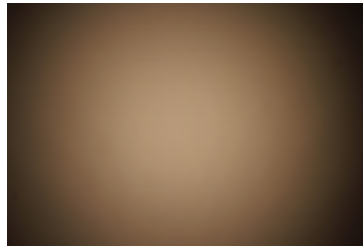


Light distribution files

### OPTICAL RESULTS (MEASURED):

#### CITIZEN

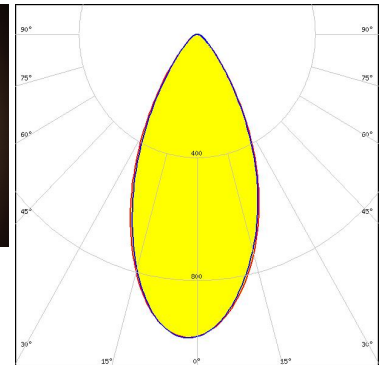
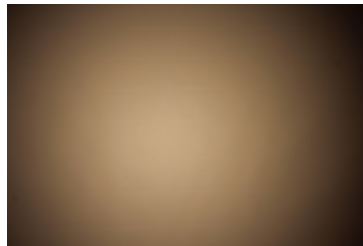
LED CLU710/711  
FWHM / FWTM 50.0° / 85.0°  
Efficiency 79 %  
Peak intensity 1 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:  
C12479\_MIRELLA-DL



Light distribution files

#### CITIZEN

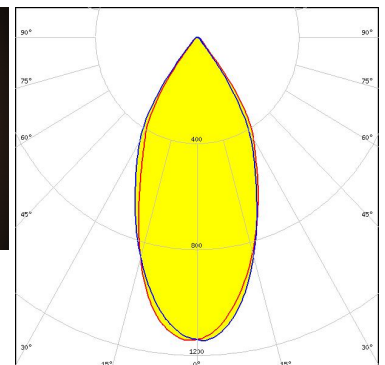
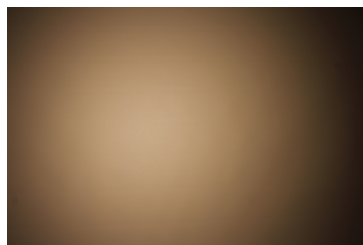
LED CLU710/711  
FWHM / FWTM 49.0° / 87.0°  
Efficiency 80 %  
Peak intensity 1 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:  
C13723\_MIRELLA-RZL



Light distribution files

#### CITIZEN

LED CLU710/711  
FWHM / FWTM 48.0° / 79.0°  
Efficiency 83 %  
Peak intensity 1.1 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:  
C13333\_MIRELLA-CL



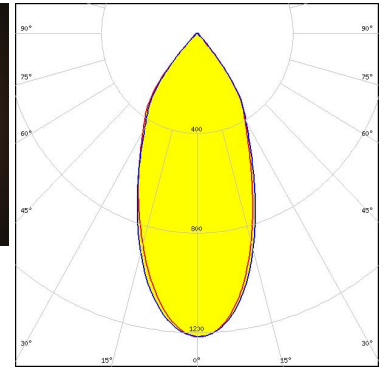
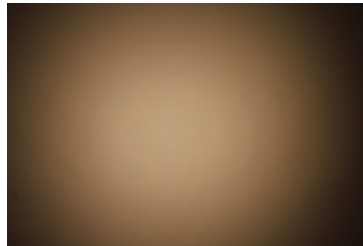
Light distribution files



#### OPTICAL RESULTS (MEASURED):

### CITIZEN

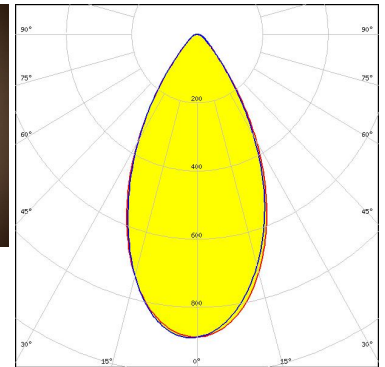
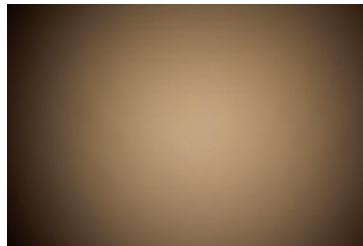
LED CLU710/711  
 FWHM / FWTM 46.0° / 84.0°  
 Efficiency 88 %  
 Peak intensity 1.2 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files

### CITIZEN

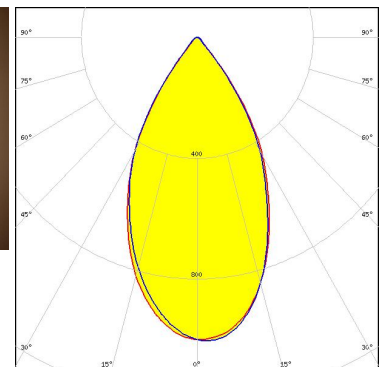
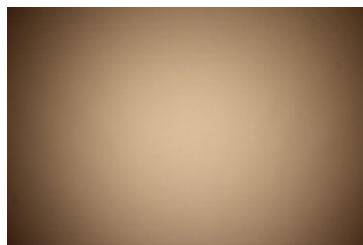
LED CLU720/721/723  
 FWHM / FWTM 53.0° / 88.0°  
 Efficiency 79 %  
 Peak intensity 0.9 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C12479\_MIRELLA-DL



Light distribution files

### CITIZEN

LED CLU720/721/723  
 FWHM / FWTM 55.0° / 81.0°  
 Efficiency 83 %  
 Peak intensity 1 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C13333\_MIRELLA-CL

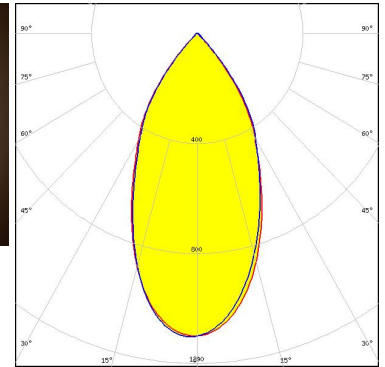
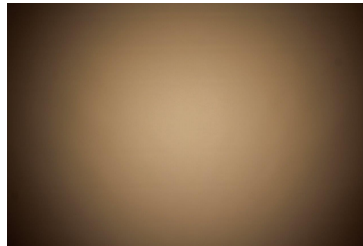


Light distribution files

#### OPTICAL RESULTS (MEASURED):

### CITIZEN

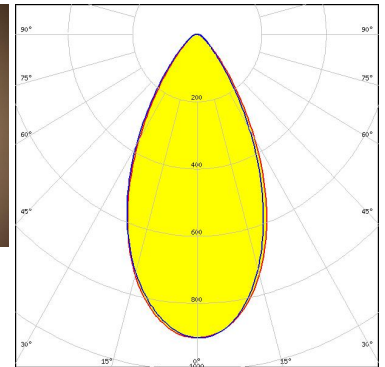
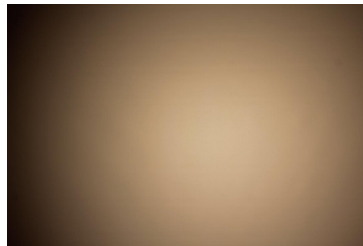
LED CLU720/721/723  
 FWHM / FWTM 51.0° / 85.0°  
 Efficiency 88 %  
 Peak intensity 1.1 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files

### CITIZEN

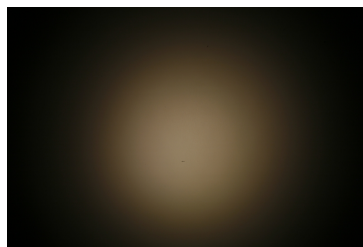
LED CLU720/721/723  
 FWHM / FWTM 53.0° / 90.0°  
 Efficiency 80 %  
 Peak intensity 0.9 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C13723\_MIRELLA-RZL



Light distribution files



LED CXA/B 13xx  
 FWHM / FWTM 43.0° / 76.0°  
 Efficiency 81 %  
 Peak intensity 1.4 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C12479\_MIRELLA-DL

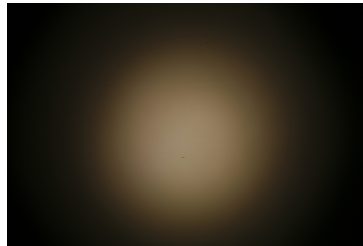


Light distribution files

#### OPTICAL RESULTS (MEASURED):



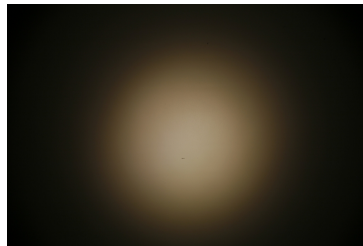
LED CXA/B 13xx  
FWHM / FWTM 42.0° / 76.0°  
Efficiency 81 %  
Peak intensity 1.5 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:  
C13333\_MIRELLA-CL



Light distribution files



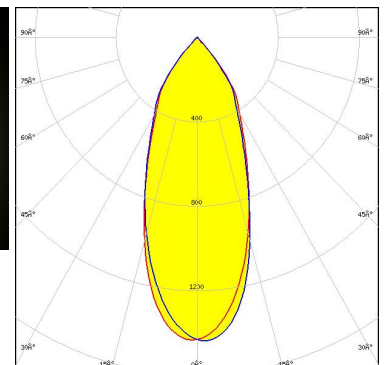
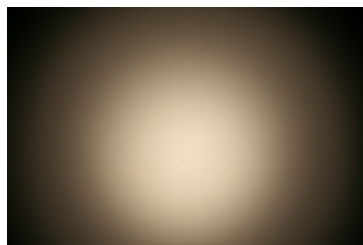
LED CXA/B 13xx  
FWHM / FWTM 37.0° / 80.0°  
Efficiency 86 %  
Peak intensity 1.8 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



LED CXA/B 15xx  
FWHM / FWTM 42.0° / 84.0°  
Efficiency 91 %  
Peak intensity 1.4 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

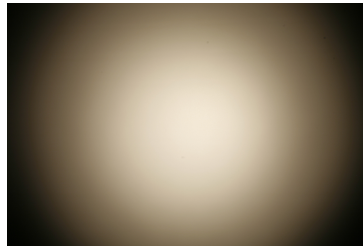


Light distribution files

#### OPTICAL RESULTS (MEASURED):



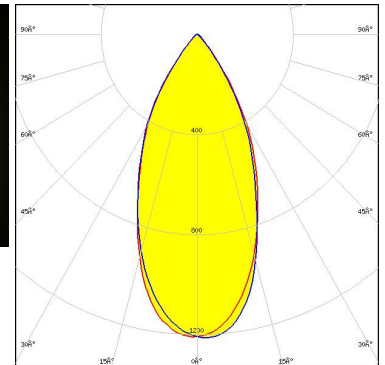
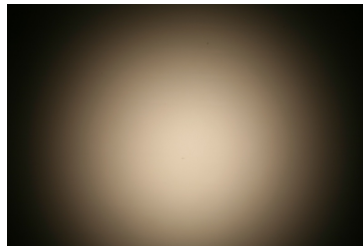
LED CXA/B 15xx  
FWHM / FWTM 46.0° / 79.0°  
Efficiency 85 %  
Peak intensity 1.4 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:  
C13333\_MIRELLA-CL



Light distribution files



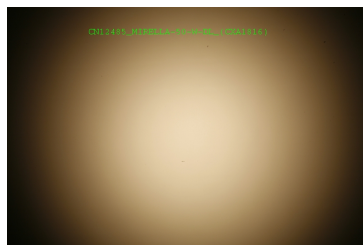
LED CXA/B 15xx  
FWHM / FWTM 50.0° / 82.0°  
Efficiency 87 %  
Peak intensity 1.1 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:  
C12479\_MIRELLA-DL



Light distribution files



LED CXA/B 1816 & CXA/B 1820 & CXA 1850  
FWHM / FWTM 52.0° / 84.0°  
Efficiency 82 %  
Peak intensity 1.2 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:  
C12479\_MIRELLA-DL

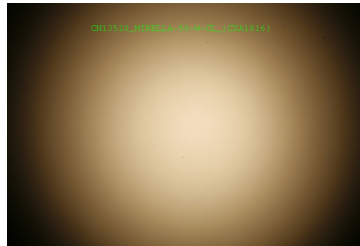


Light distribution files

#### OPTICAL RESULTS (MEASURED):



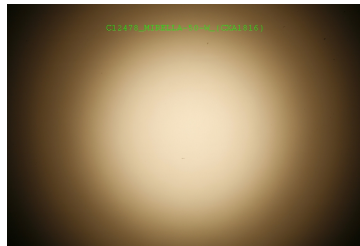
LED CXA/B 1816 & CXA/B 1820 & CXA 1850  
 FWHM / FWTM 56.0° / 84.0°  
 Efficiency 82 %  
 Peak intensity 1.1 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C13333\_MIRELLA-CL



Light distribution files



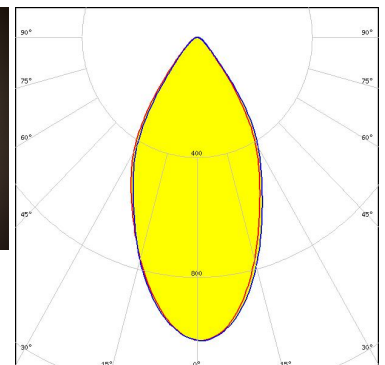
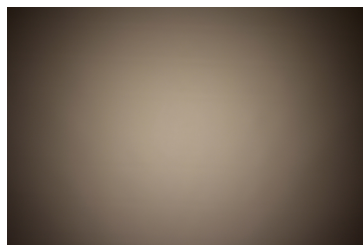
LED CXA/B 1816 & CXA/B 1820 & CXA 1850  
 FWHM / FWTM 52.0° / 88.0°  
 Efficiency 87 %  
 Peak intensity 1.2 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



LED MHD-E/G  
 FWHM / FWTM 52.0° / 87.0°  
 Efficiency 87 %  
 Peak intensity 1 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C12479\_MIRELLA-DL

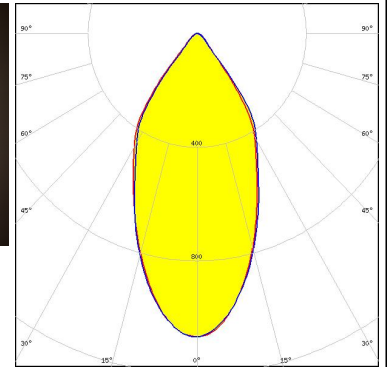


Light distribution files

#### OPTICAL RESULTS (MEASURED):



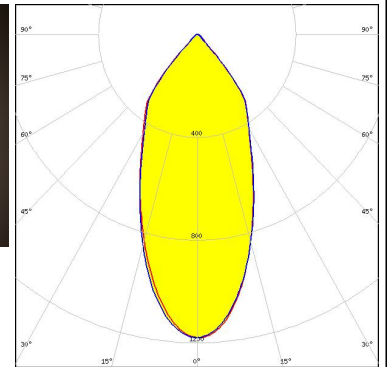
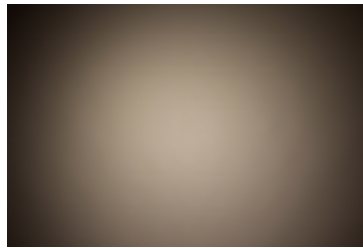
LED MHD-E/G  
 FWHM / FWTM 50.0° / 83.0°  
 Efficiency 87 %  
 Peak intensity 1.1 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C13333\_MIRELLA-CL



Light distribution files



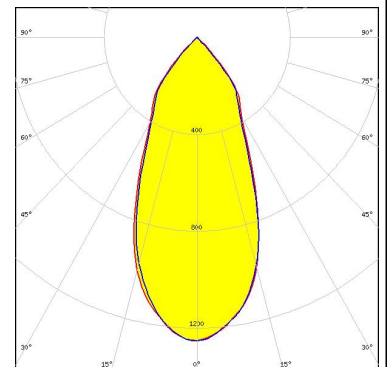
LED MHD-E/G  
 FWHM / FWTM 46.0° / 88.0°  
 Efficiency 92 %  
 Peak intensity 1.2 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



LED MT-G  
 FWHM / FWTM 46.0° / 86.0°  
 Efficiency 90 %  
 Peak intensity 1.3 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

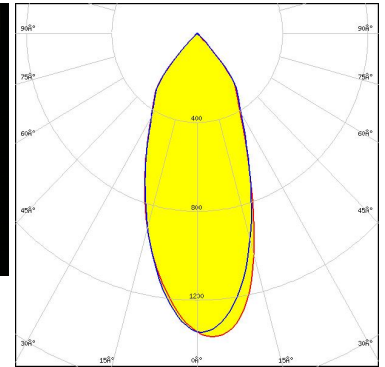


Light distribution files

#### OPTICAL RESULTS (MEASURED):



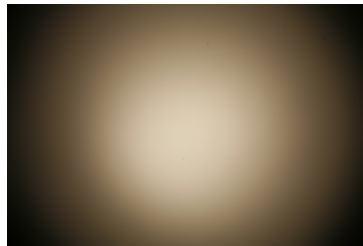
**LED** MT-G2  
**FWHM / FWTM** 46.0° / 86.0°  
**Efficiency** 91 %  
**Peak intensity** 1.4 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**



Light distribution files



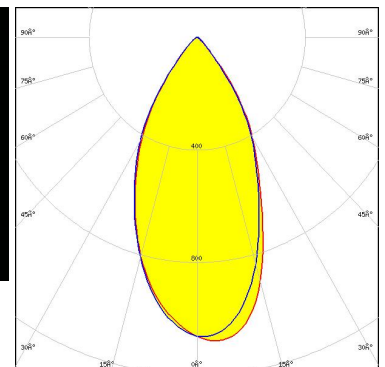
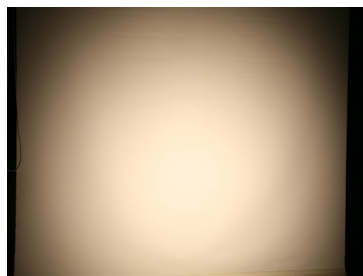
**LED** MT-G2  
**FWHM / FWTM** 50.0° / 82.0°  
**Efficiency** 84 %  
**Peak intensity** 1.1 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**  
 C13333\_MIRELLA-CL



Light distribution files



**LED** MT-G2  
**FWHM / FWTM** 52.0° / 87.0°  
**Efficiency** 83 %  
**Peak intensity** 1.1 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**  
 C12479\_MIRELLA-DL

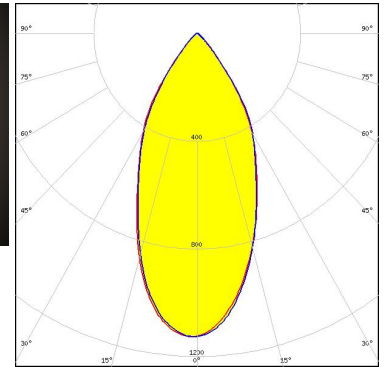
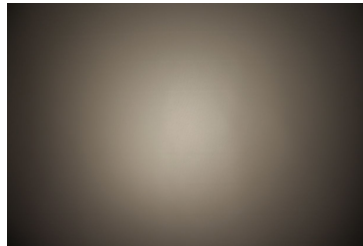


Light distribution files

#### OPTICAL RESULTS (MEASURED):



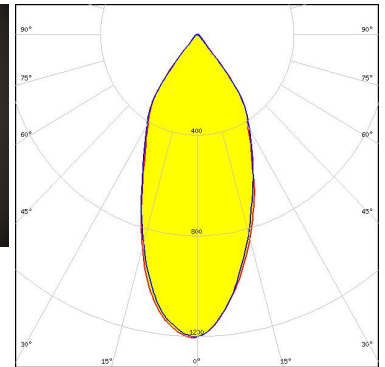
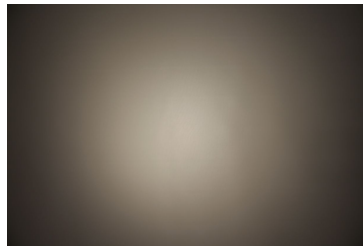
LED XHP50  
 FWHM / FWTM 48.0° / 82.0°  
 Efficiency 85 %  
 Peak intensity 1.1 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C12479\_MIRELLA-DL



Light distribution files



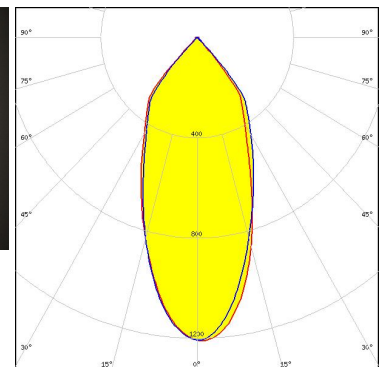
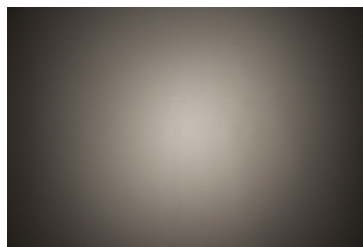
LED XHP50  
 FWHM / FWTM 45.0° / 80.0°  
 Efficiency 84 %  
 Peak intensity 1.2 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C13333\_MIRELLA-CL



Light distribution files



LED XHP50  
 FWHM / FWTM 45.0° / 87.0°  
 Efficiency 89 %  
 Peak intensity 1.2 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



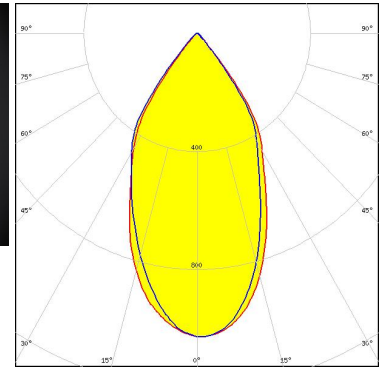
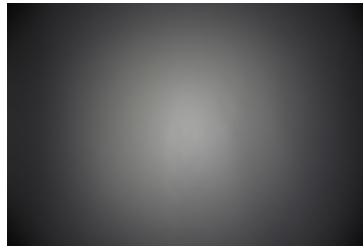
Light distribution files



### OPTICAL RESULTS (MEASURED):



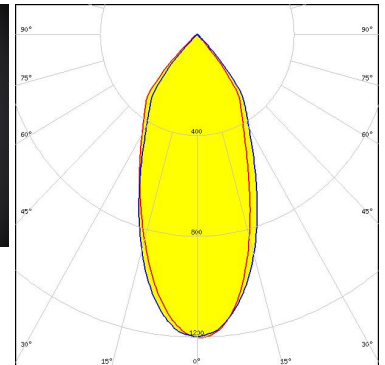
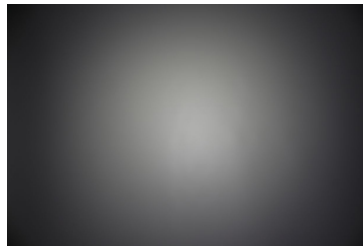
LED XHP70  
FWHM / FWTM 53.0° / 83.0°  
Efficiency 84 %  
Peak intensity 1 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:  
C13333\_MIRELLA-CL



Light distribution files



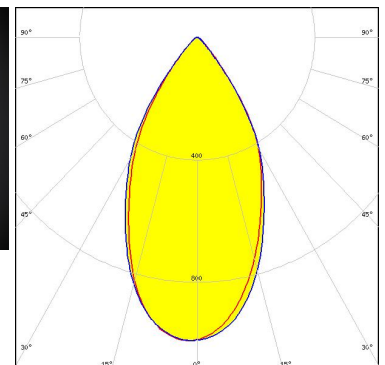
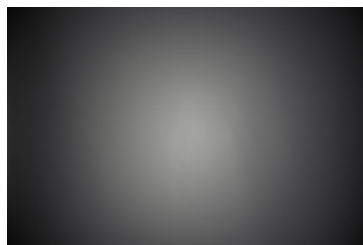
LED XHP70  
FWHM / FWTM 45.0° / 87.0°  
Efficiency 89 %  
Peak intensity 1.2 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



LED XHP70  
FWHM / FWTM 54.0° / 85.0°  
Efficiency 84 %  
Peak intensity 1 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:  
C12479\_MIRELLA-DL

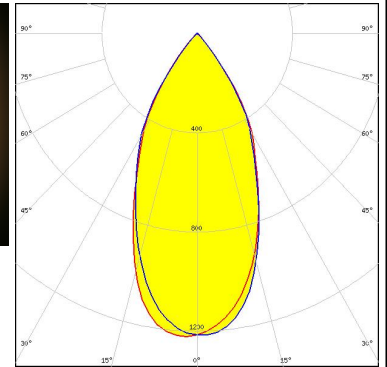


Light distribution files

#### OPTICAL RESULTS (MEASURED):



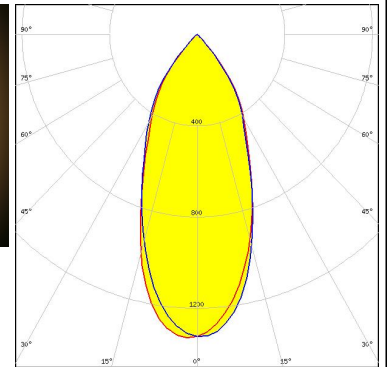
LED LUXEON CoB 1202/1203  
 FWHM / FWTM 49.0° / 80.0°  
 Efficiency 84 %  
 Peak intensity 1.2 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C13333\_MIRELLA-CL



Light distribution files



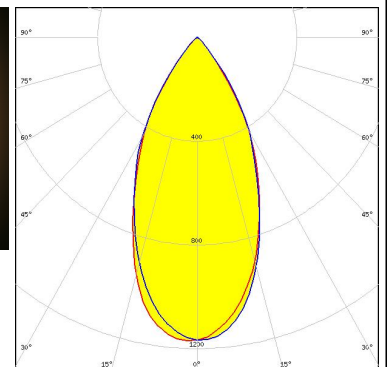
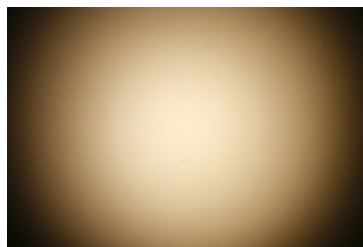
LED LUXEON CoB 1202/1203  
 FWHM / FWTM 44.0° / 84.0°  
 Efficiency 87 %  
 Peak intensity 1.3 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



LED LUXEON CoB 1202/1203  
 FWHM / FWTM 50.0° / 81.0°  
 Efficiency 84 %  
 Peak intensity 1.2 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 41.0° / 79.0°  
Efficiency %  
LEDs/each optic 1  
Light colour/type White  
Required components:  
C12479\_MIRELLA-DL



Light distribution files



LED LUXEON S1000  
FWHM / FWTM 34.0° / 75.0°  
Efficiency 84 %  
Peak intensity 1.7 cd/m  
LEDs/each optic 1  
Light colour/type White  
Required components:  
C13333\_MIRELLA-CL



Light distribution files



LED LUXEON S1000  
FWHM / FWTM 34.0° / 79.0°  
Efficiency %  
LEDs/each optic 1  
Light colour/type White  
Required components:

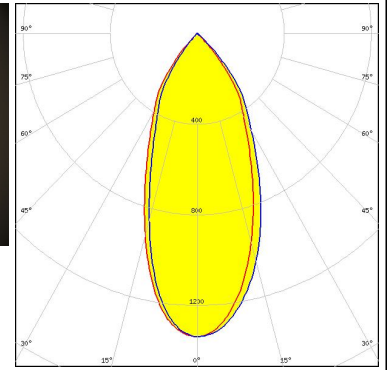


Light distribution files

#### OPTICAL RESULTS (MEASURED):



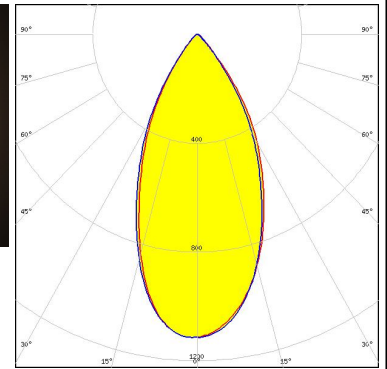
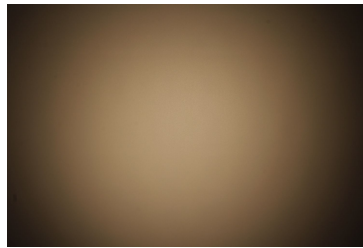
LED CxM-9 (13.5x13.5)  
 FWHM / FWTM 43.0° / 83.0°  
 Efficiency 89 %  
 Peak intensity 1.3 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



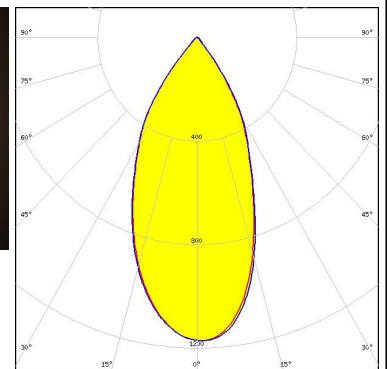
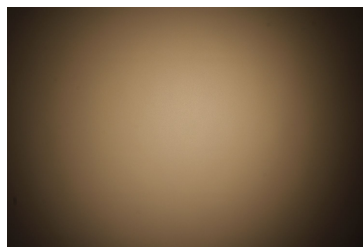
LED CxM-9 (13.5x13.5)  
 FWHM / FWTM 49.0° / 81.0°  
 Efficiency 83 %  
 Peak intensity 1.1 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C12479\_MIRELLA-DL



Light distribution files



LED CxM-9 (13.5x13.5)  
 FWHM / FWTM 48.0° / 79.0°  
 Efficiency 83 %  
 Peak intensity 1.2 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C13333\_MIRELLA-CL

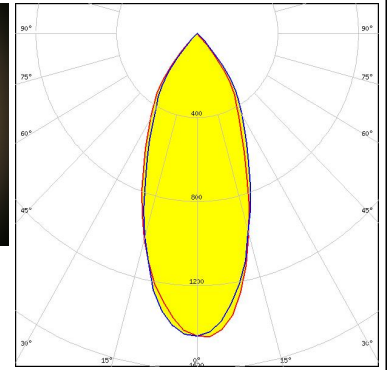


Light distribution files

### OPTICAL RESULTS (MEASURED):



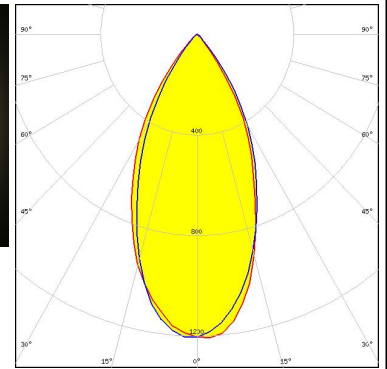
LED COB L-Type (LES 9)  
FWHM / FWTM 42.0° / 82.0°  
Efficiency 89 %  
Peak intensity 1.4 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



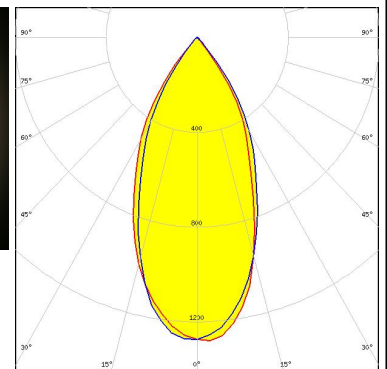
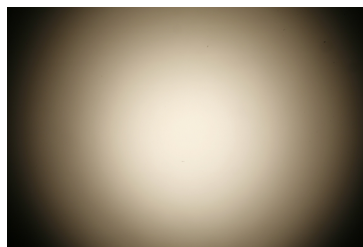
LED COB L-Type (LES 9)  
FWHM / FWTM 48.0° / 80.0°  
Efficiency 83 %  
Peak intensity 1.2 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:  
C12479\_MIRELLA-DL



Light distribution files

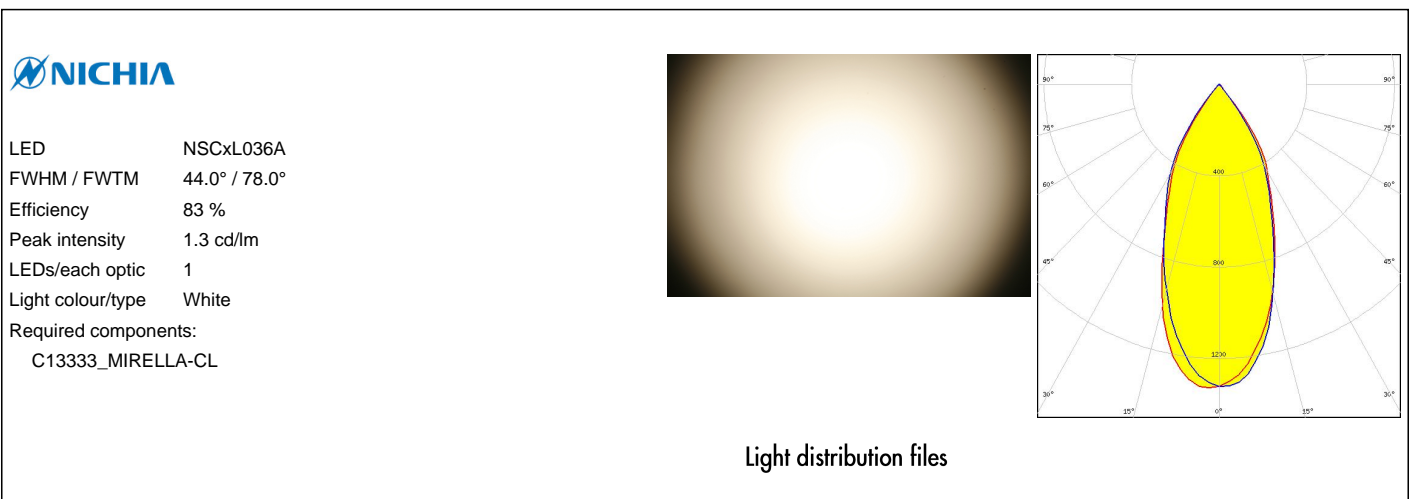
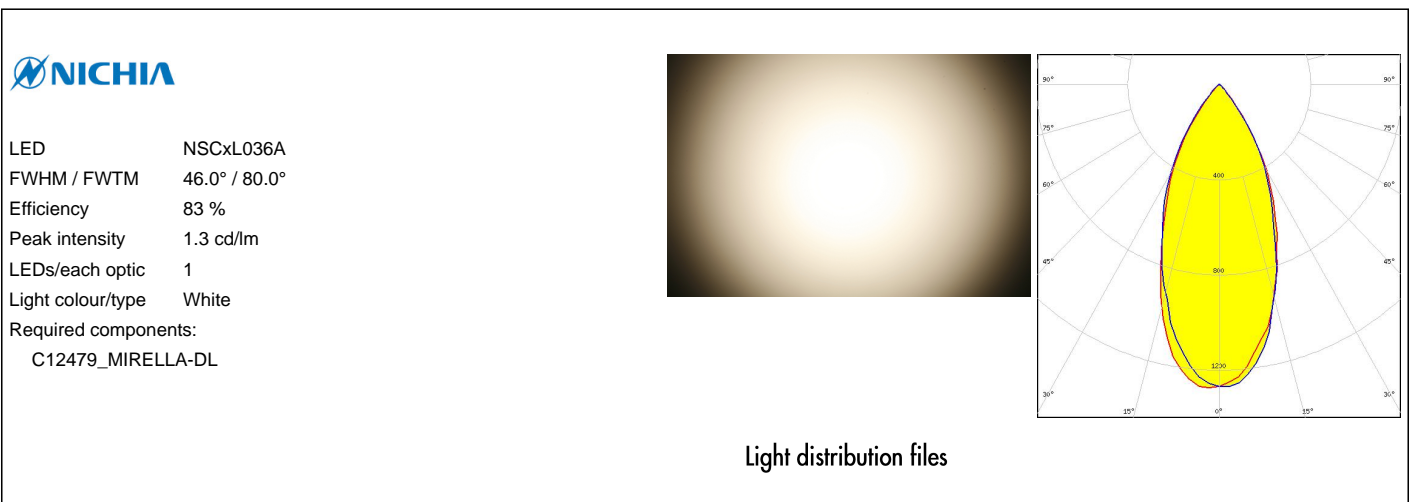
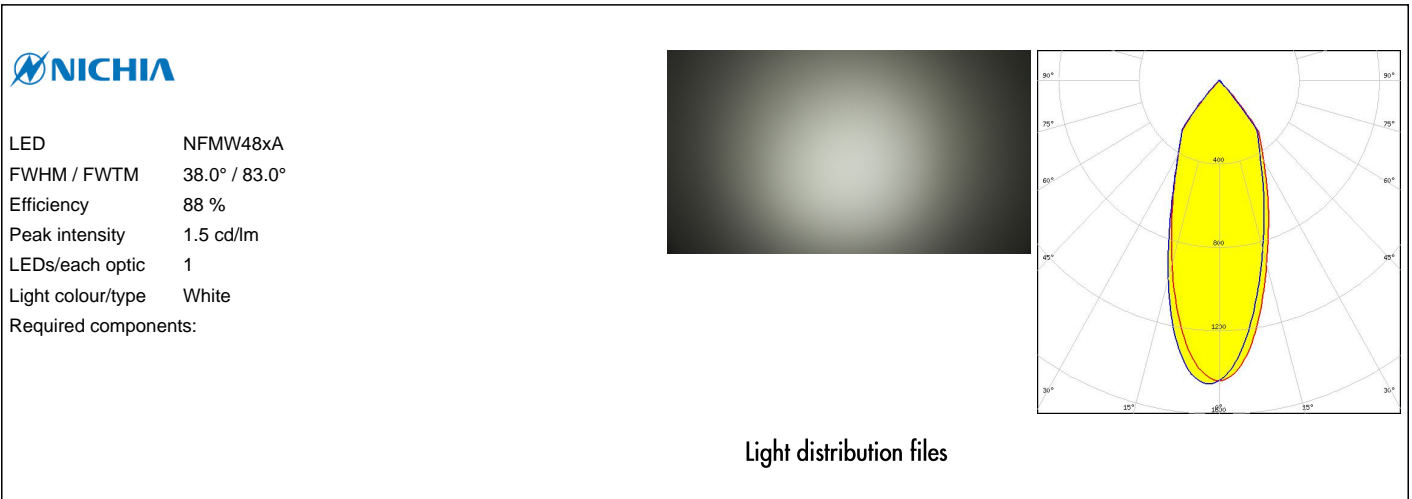


LED COB L-Type (LES 9)  
FWHM / FWTM 47.0° / 79.0°  
Efficiency 85 %  
Peak intensity 1.3 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:  
C13333\_MIRELLA-CL

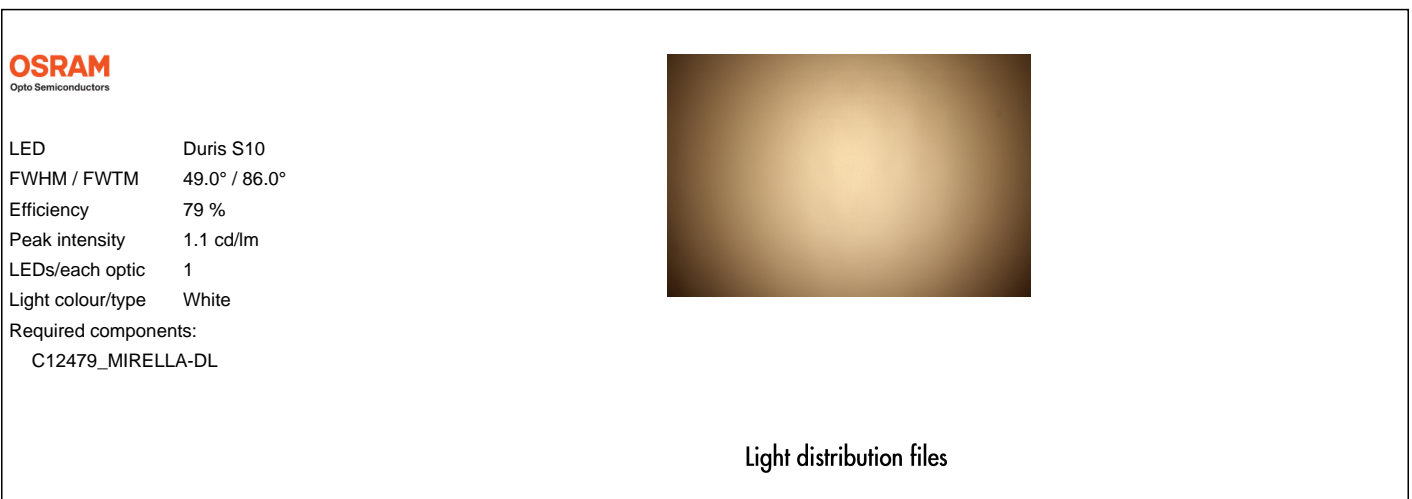
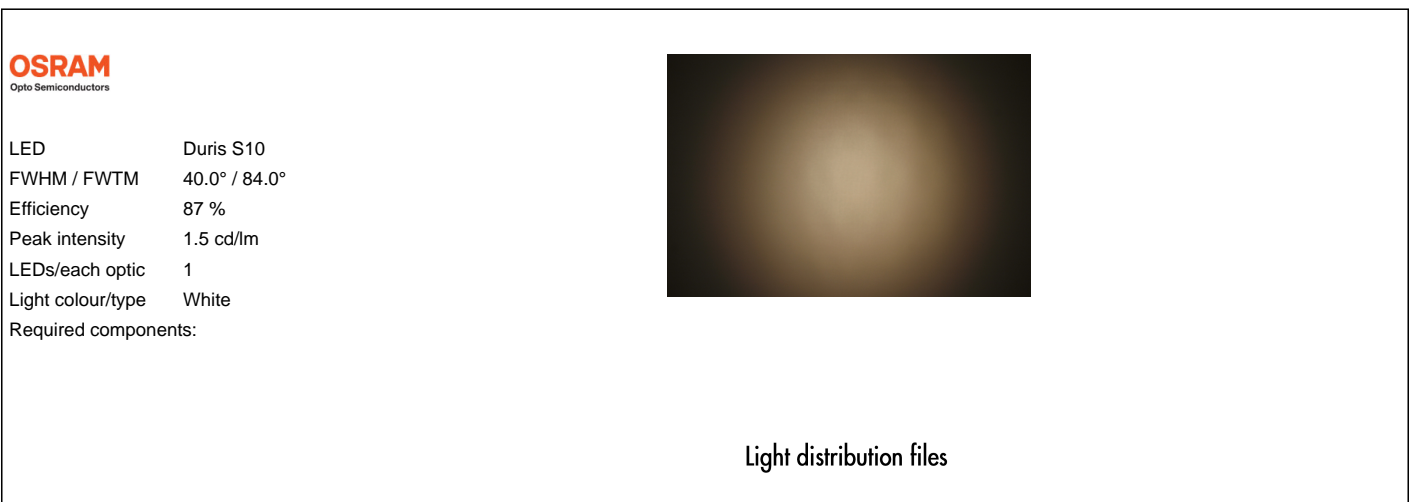
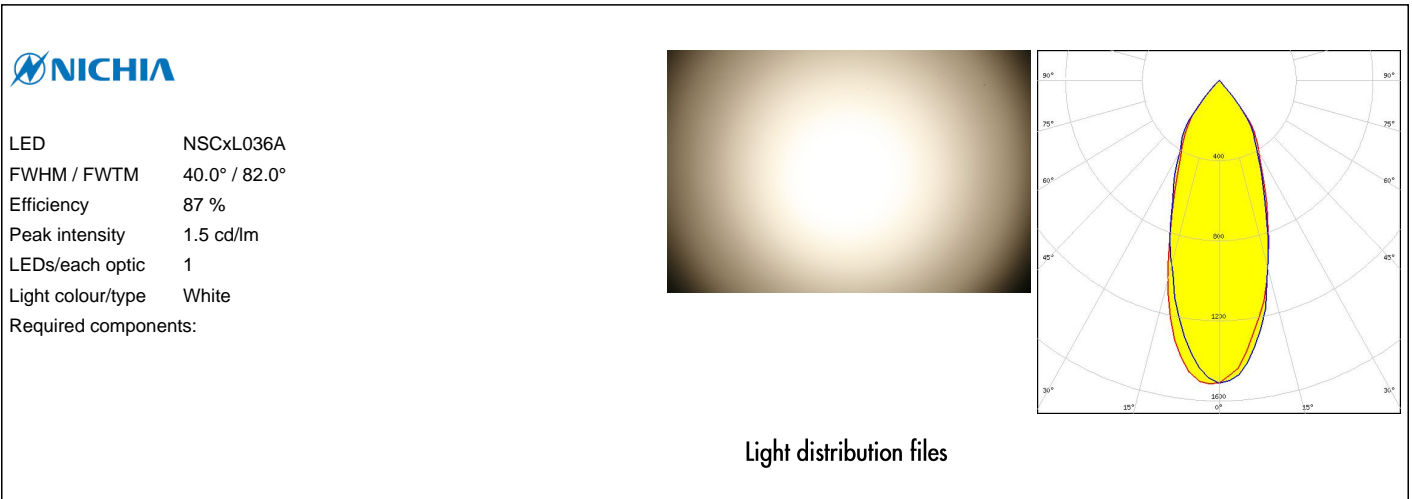


Light distribution files

#### OPTICAL RESULTS (MEASURED):



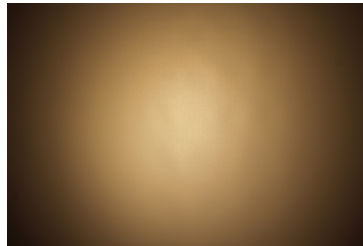
#### OPTICAL RESULTS (MEASURED):



#### OPTICAL RESULTS (MEASURED):

**OSRAM**  
Opto Semiconductors

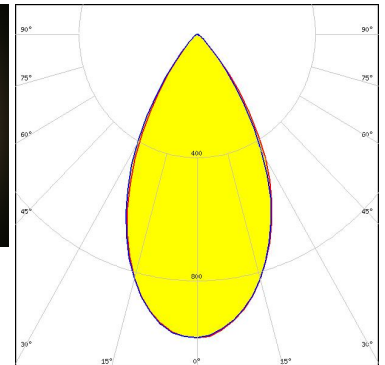
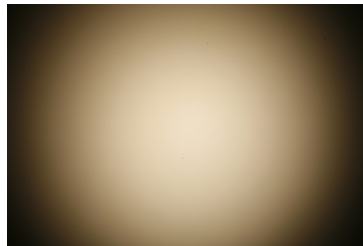
LED Duris S10  
 FWHM / FWTM 45.0° / 79.0°  
 Efficiency 82 %  
 Peak intensity 1.3 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C13333\_MIRELLA-CL



Light distribution files

**OSRAM**  
Opto Semiconductors

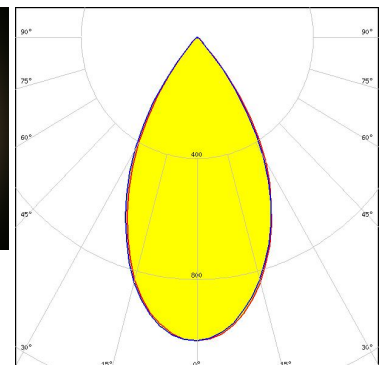
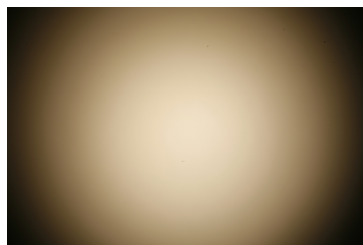
LED Soleriq S13  
 FWHM / FWTM 57.0° / 85.0°  
 Efficiency 81 %  
 Peak intensity 1 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C12479\_MIRELLA-DL



Light distribution files

**OSRAM**  
Opto Semiconductors

LED Soleriq S13  
 FWHM / FWTM 57.0° / 83.0°  
 Efficiency 80 %  
 Peak intensity 1 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C13333\_MIRELLA-CL



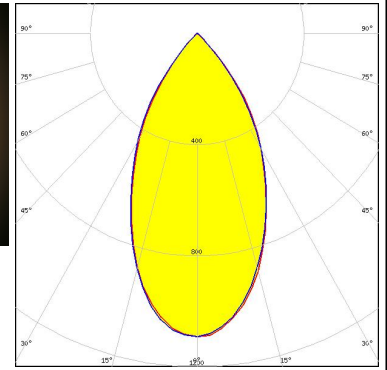
Light distribution files



#### OPTICAL RESULTS (MEASURED):

**OSRAM**  
Opto Semiconductors

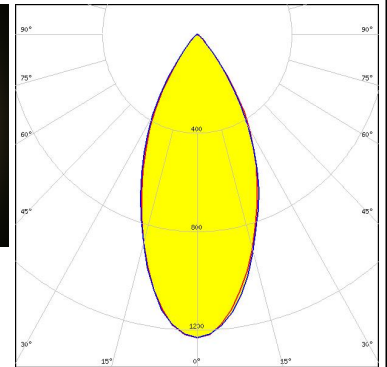
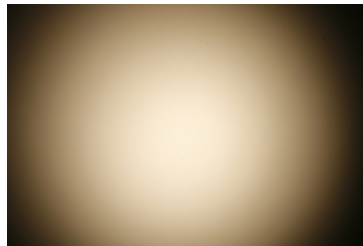
LED Soleriq S13  
 FWHM / FWTM 55.0° / 86.0°  
 Efficiency 85 %  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files

**SEUL**  
SEOUL SEMICONDUCTOR

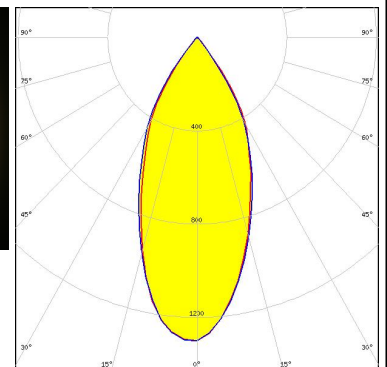
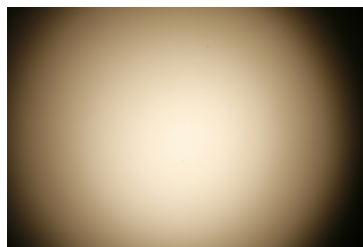
LED ZC4/6  
 FWHM / FWTM 48.0° / 80.0°  
 Efficiency 81 %  
 Peak intensity 1.2 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C12479\_MIRELLA-DL



Light distribution files

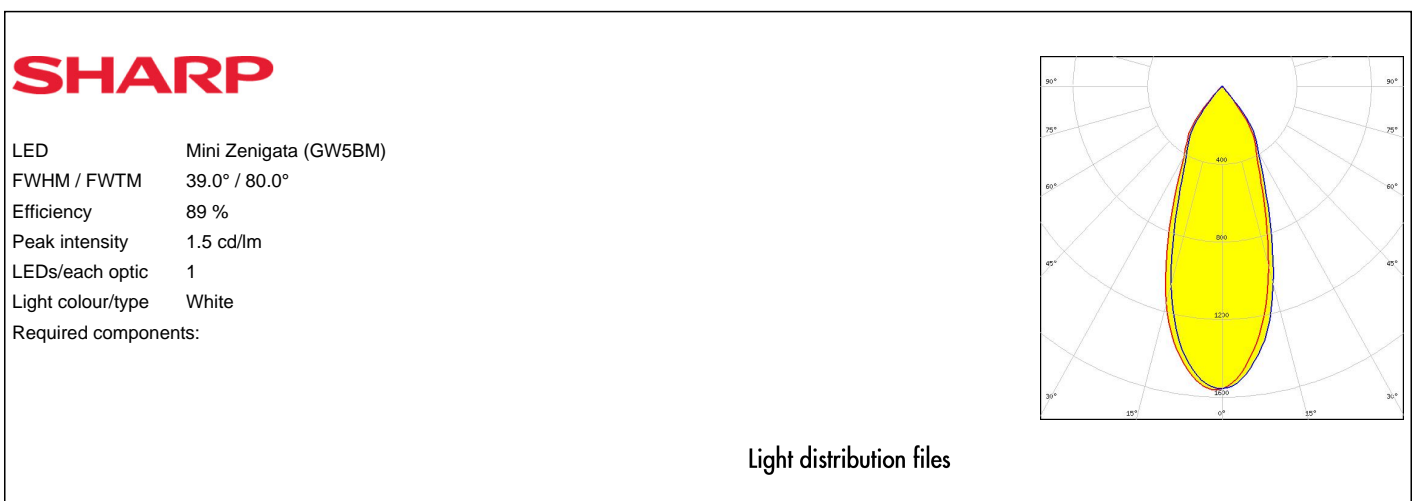
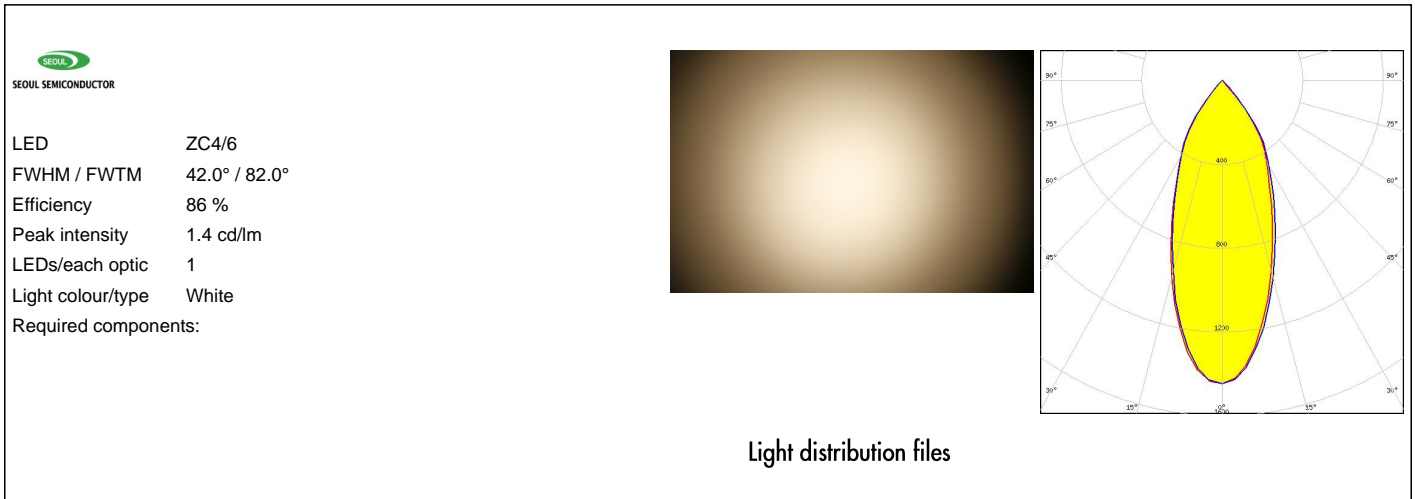
**SEUL**  
SEOUL SEMICONDUCTOR

LED ZC4/6  
 FWHM / FWTM 46.0° / 78.0°  
 Efficiency 80 %  
 Peak intensity 1.3 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C13333\_MIRELLA-CL



Light distribution files

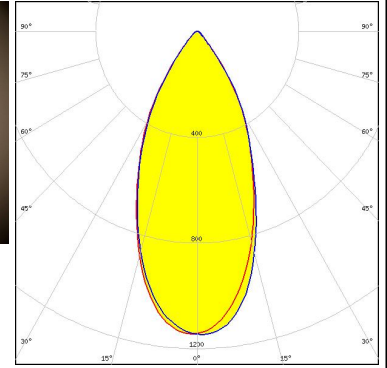
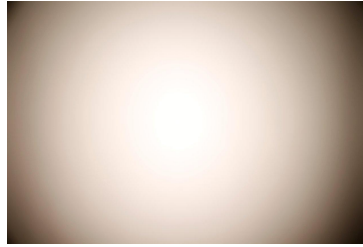
#### OPTICAL RESULTS (MEASURED):



#### OPTICAL RESULTS (MEASURED):

### SHARP

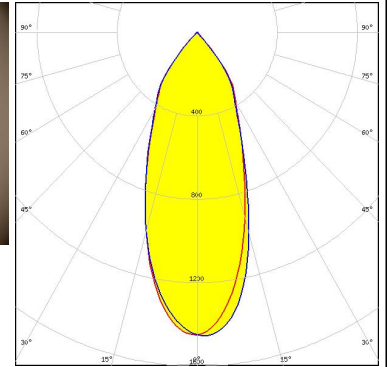
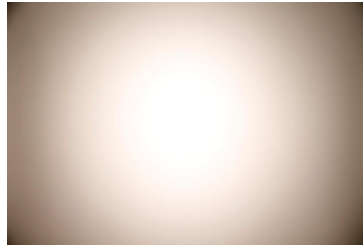
LED Mini Zenigata (GW6BM)  
FWHM / FWTM 45.0° / 80.0°  
Efficiency 81 %  
Peak intensity 1.1 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:  
C12479\_MIRELLA-DL



Light distribution files

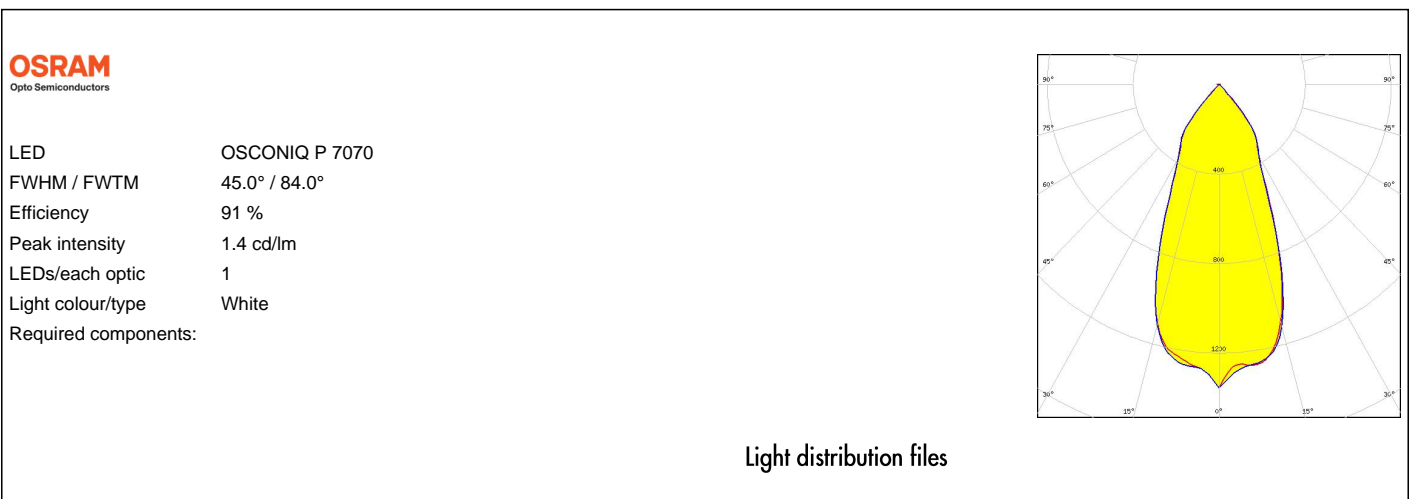
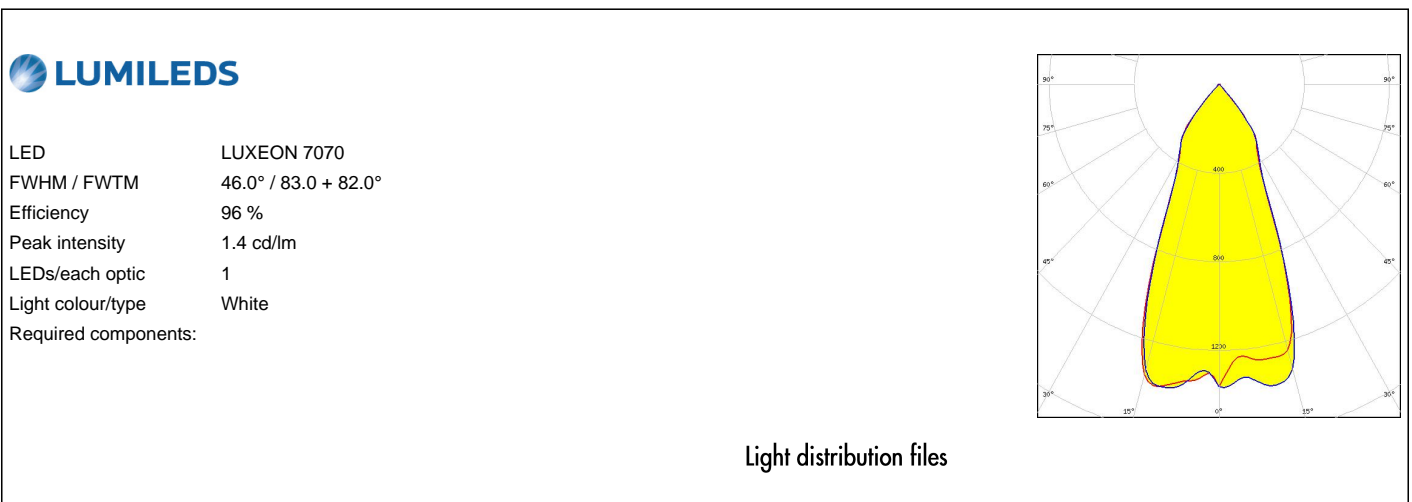
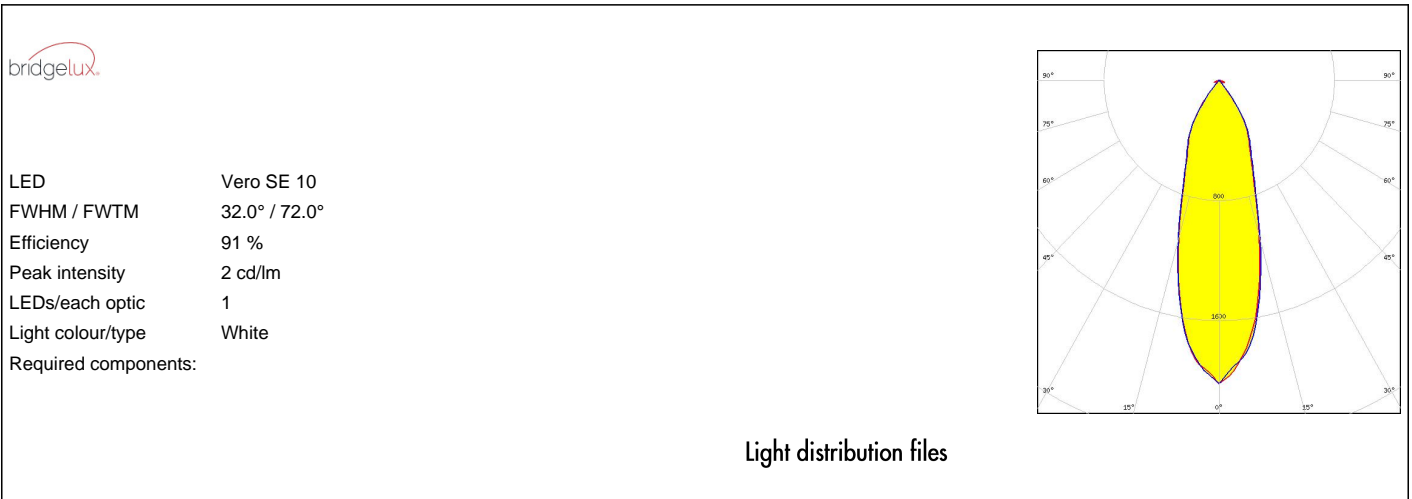
### SHARP

LED Mini Zenigata (GW6BM)  
FWHM / FWTM 38.0° / 81.0°  
Efficiency 88 %  
Peak intensity 1.5 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files

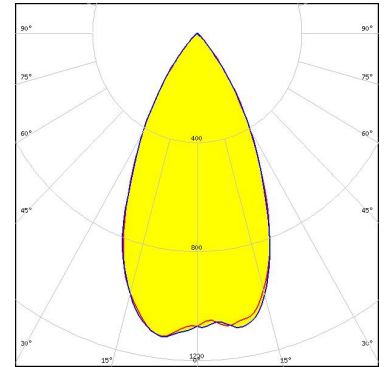
#### OPTICAL RESULTS (SIMULATED):



#### OPTICAL RESULTS (SIMULATED):

**OSRAM**  
Opto Semiconductors

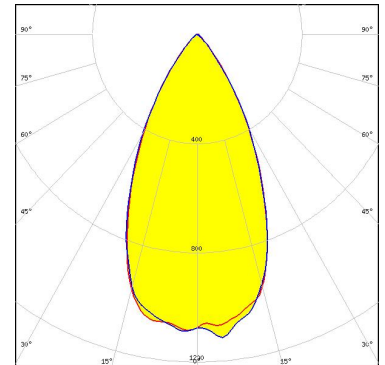
LED Soleriq S9  
FWHM / FWTM 51.0° / 80.0°  
Efficiency 85 %  
Peak intensity 1.1 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:  
C12479\_MIRELLA-DL



Light distribution files

**OSRAM**  
Opto Semiconductors

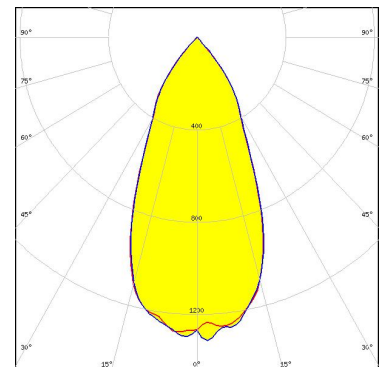
LED Soleriq S9  
FWHM / FWTM 51.0° / 81.0°  
Efficiency 85 %  
Peak intensity 1.1 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:  
C13723\_MIRELLA-RZL



Light distribution files

**OSRAM**  
Opto Semiconductors

LED Soleriq S9  
FWHM / FWTM 47.0° / 83.0°  
Efficiency 91 %  
Peak intensity 1.3 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



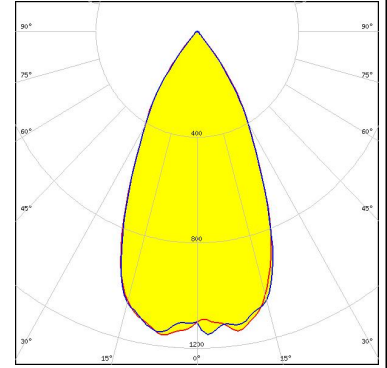
Light distribution files

#### OPTICAL RESULTS (SIMULATED):

**OSRAM**  
Opto Semiconductors

LED Soleriq S9  
FWHM / FWTM 50.0° / 78.0°  
Efficiency 87 %  
Peak intensity 1.2 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.

#### PRODUCT DATA USER AGREEMENT AND DISCLAIMER:

The measured data in the provided downloadable LEDiL Product Datasheets and Mechanical 2D-Drawings is rounded and provided as reference for planning. LEDiL Oy's optical specifications have been verified by conducting performance testing of the products in accordance with the company's quality system. The reported data are averaged results of multiple measurements with typical variation. LEDiL Oy reserves the right to without prior notification make changes and improvements to its products.

LEDiL Oy assumes neither warranty, nor guarantee nor any other liability of any kind for the contents and correctness of the provided data. The provided data has been generated with highest diligence but the provided data may in reality not represent the complete possible variation range of all intrinsic parameters. Therefore, in certain cases a deviation from the provided data could occur.

LEDiL Oy reserves the right to undertake technical changes of its products without further notification which could lead to changes in the provided data. LEDiL Oy assumes no liability of any kind for the possible deviation from any provided data or any other damage resulting from the usage of the provided data.

The user agrees to this disclaimer and user agreement with the download or usage of the provided files.

#### LEDiL Oy

Joensuunkatu 7  
FI-24240 SALO  
Finland

#### LEDiL Inc.

228 West Page Street  
Suite D  
Sycamore IL 60178  
USA

#### Ledil Optics Technology (Shenzhen) Co., Ltd.

# 405 , Block B  
Casic Motor Building  
Shenzhen 518057  
P.R.CHINA

#### Local sales and technical support

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

#### Shipping locations

Poznan, Poland  
Hong Kong, China

#### Distribution Partners

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