

## MIRELLA-50-M

~30° medium beam

### TECHNICAL SPECIFICATIONS:

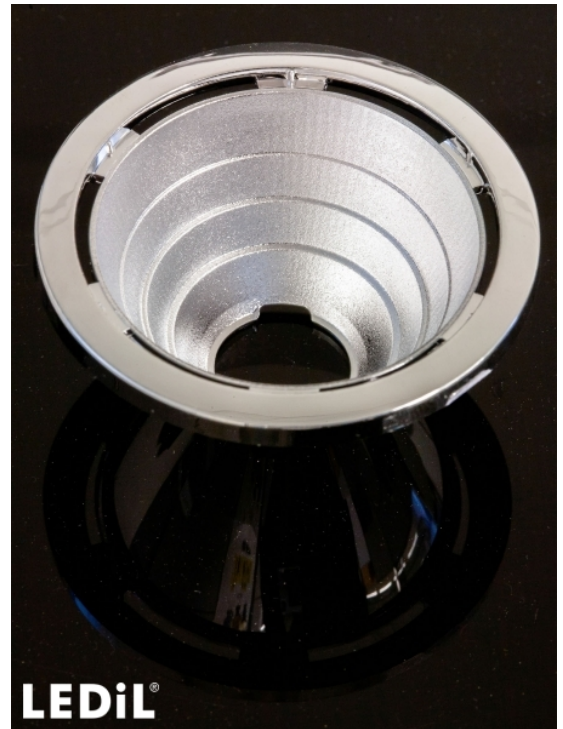
|                |           |
|----------------|-----------|
| Dimensions     | Ø 49.9 mm |
| Height         | 23.9 mm   |
| Fastening      | glue      |
| ROHS compliant | yes ⓘ     |

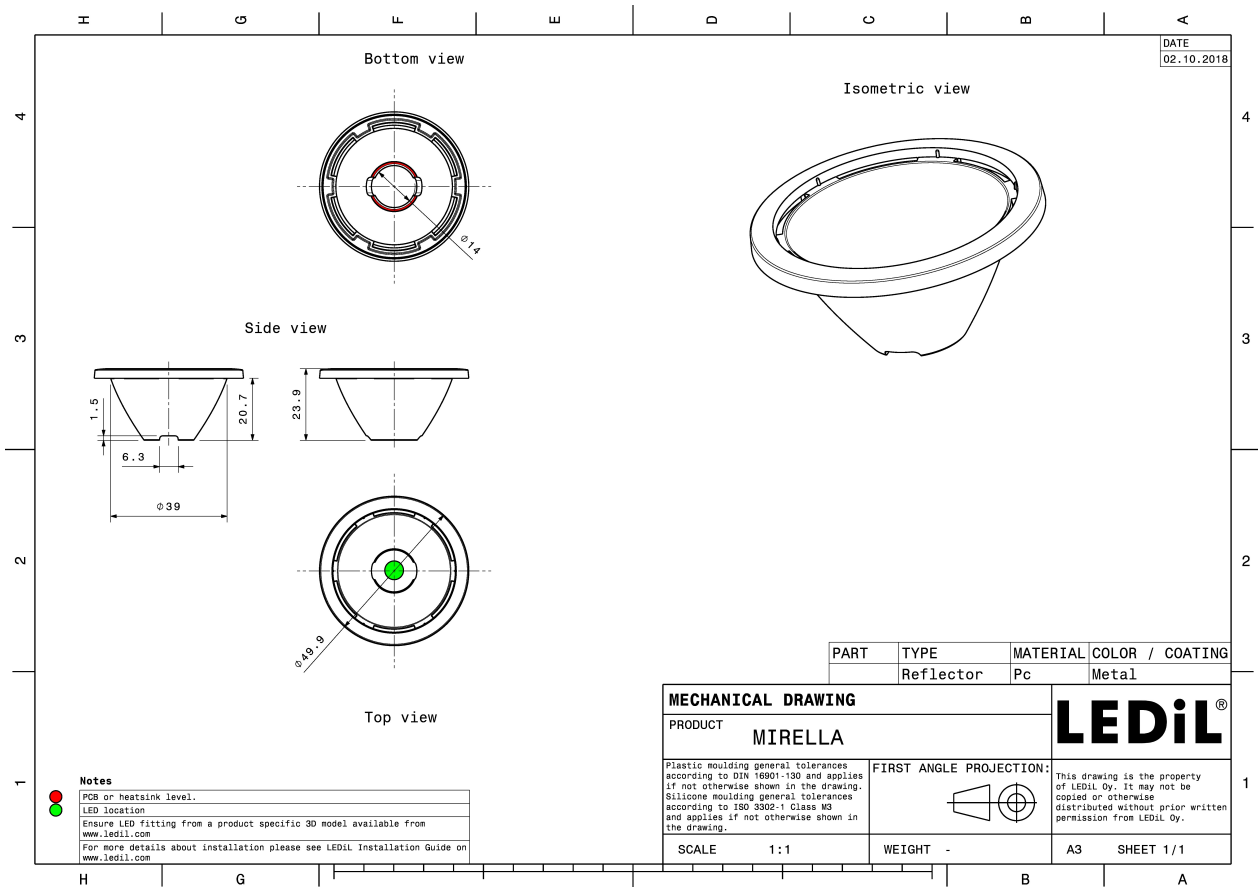
### MATERIAL SPECIFICATIONS:

| 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<br>» Box size: 480 x 280 x 300 mm | 336        | 112 | 28  | 2.8             |



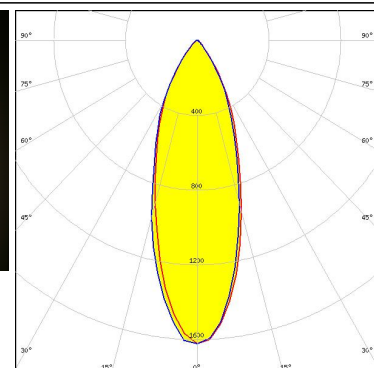
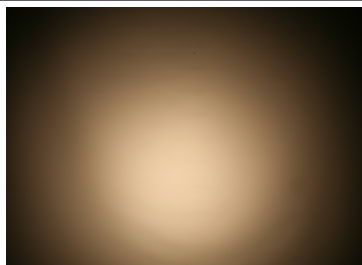


See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)

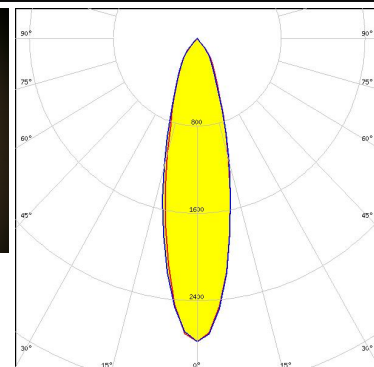
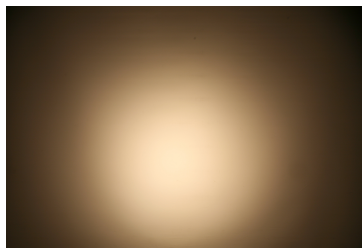
#### PHOTOMETRIC DATA (MEASURED):



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



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

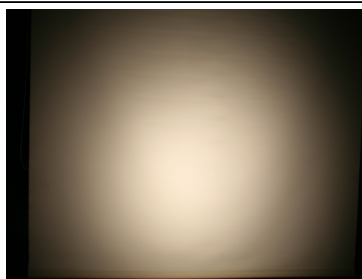


LED BXRA LS  
FWHM / FWTM 27.0° / 69.0°  
Efficiency 84 %  
Peak intensity 2.4 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C13333\_MIRELLA-CL



## CITIZEN

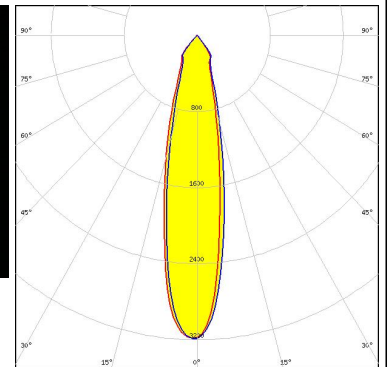
LED CLL01x  
FWHM / FWTM 39.0° / 77.0°  
Efficiency %  
LEDs/each optic 1  
Light colour White  
Required components:  
C12479\_MIRELLA-DL



#### PHOTOMETRIC DATA (MEASURED):

#### CITIZEN

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



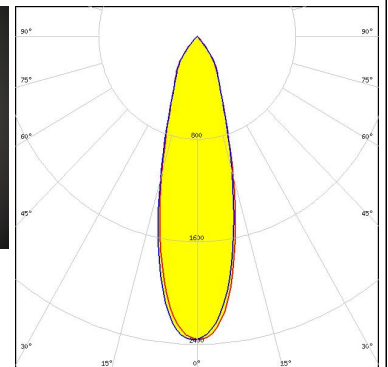
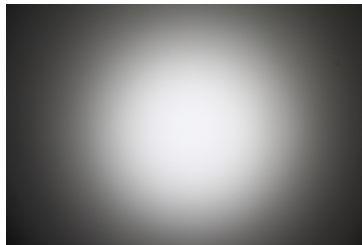
#### CITIZEN

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



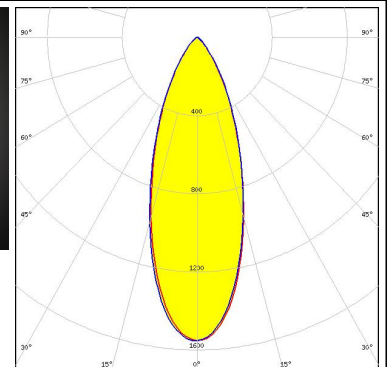
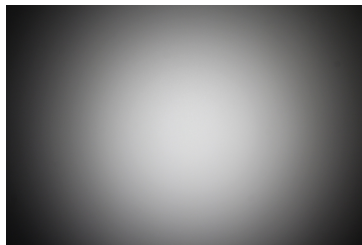
#### CITIZEN

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



#### 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 White  
Required components:  
C13723\_MIRELLA-RZL



#### PHOTOMETRIC DATA (MEASURED):

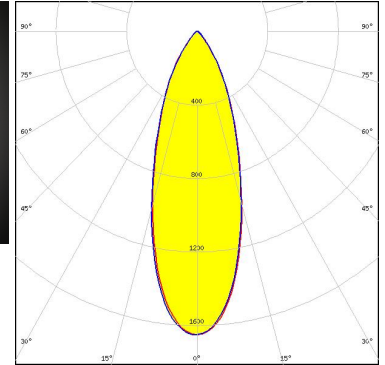
#### CITIZEN

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



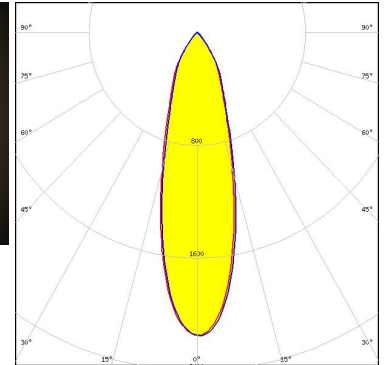
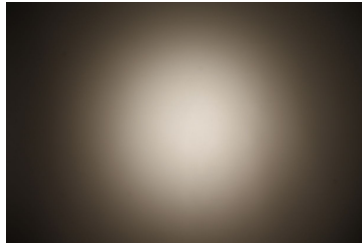
#### CITIZEN

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



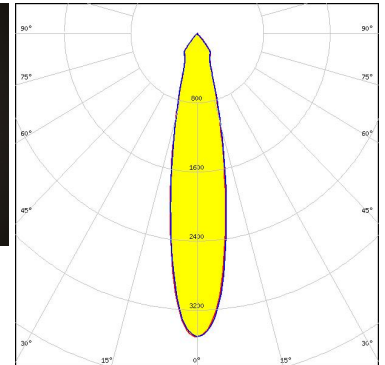
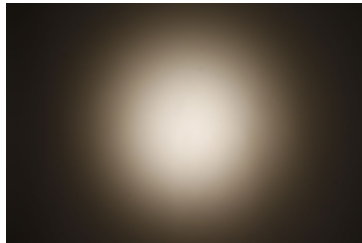
#### CITIZEN

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



#### CITIZEN

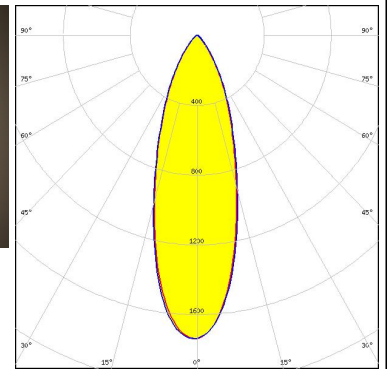
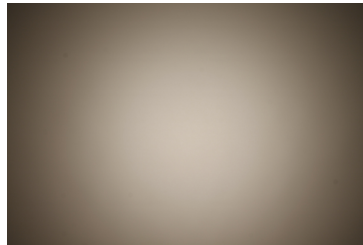
LED CLU700/701/702  
 FWHM / FWTM 22.0° / 51.0°  
 Efficiency 90 %  
 Peak intensity 3.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### PHOTOMETRIC DATA (MEASURED):

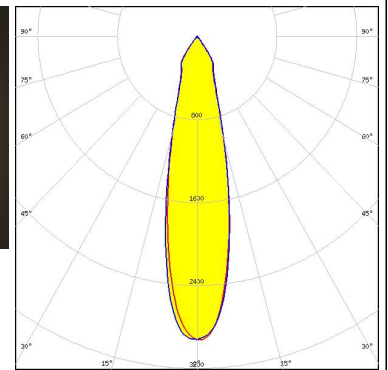
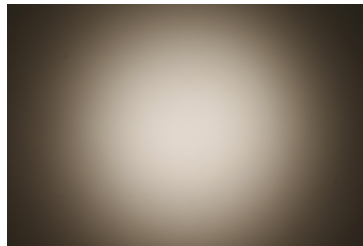
#### CITIZEN

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



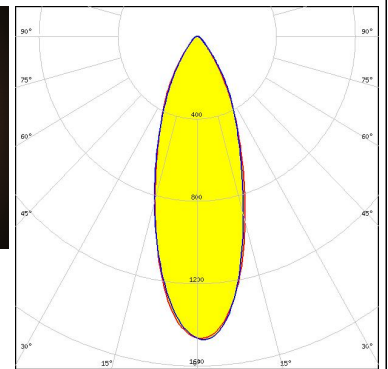
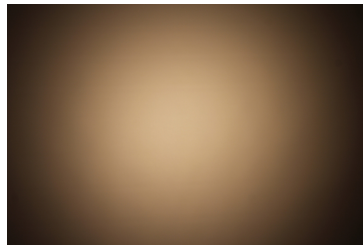
#### CITIZEN

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



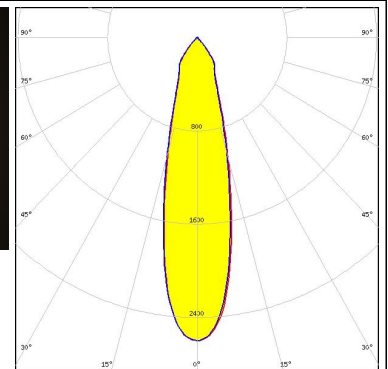
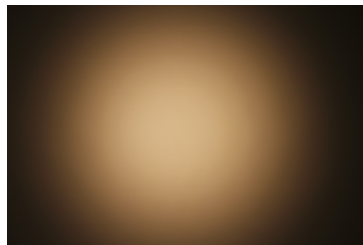
#### CITIZEN

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



#### CITIZEN

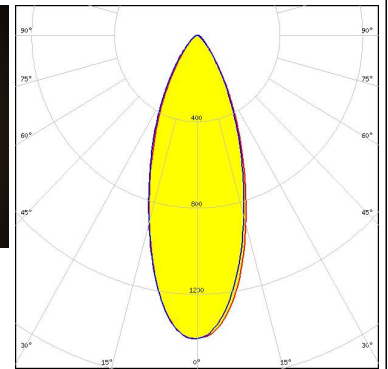
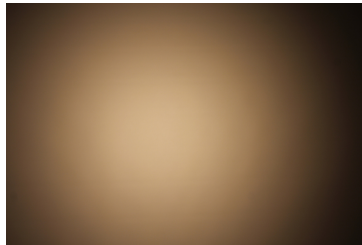
LED CLU710/711  
 FWHM / FWTM 26.0° / 70.0°  
 Efficiency 90 %  
 Peak intensity 2.6 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



### PHOTOMETRIC DATA (MEASURED):

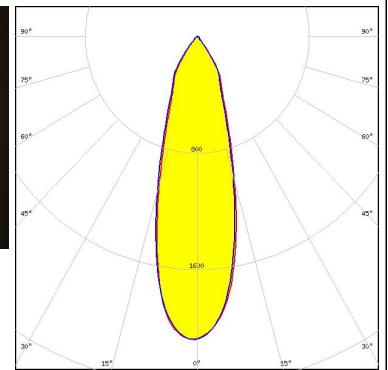
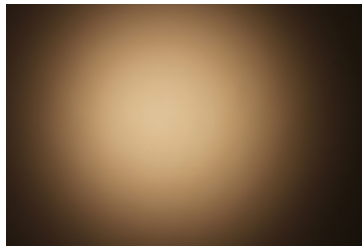
#### CITIZEN

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



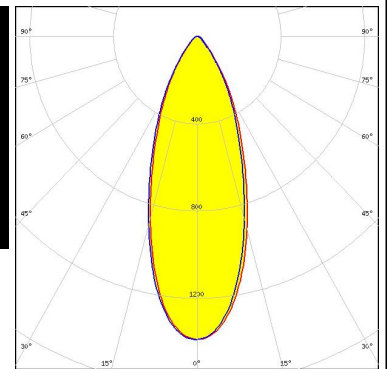
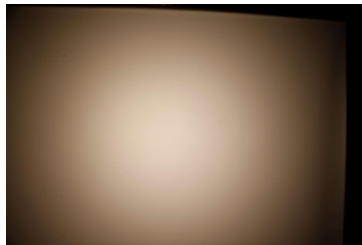
#### CITIZEN

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



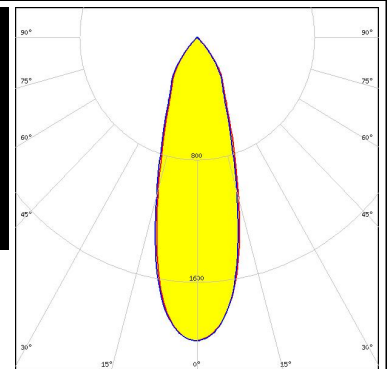
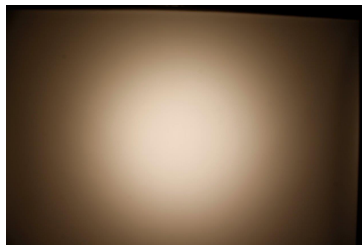
#### CITIZEN

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



#### CITIZEN

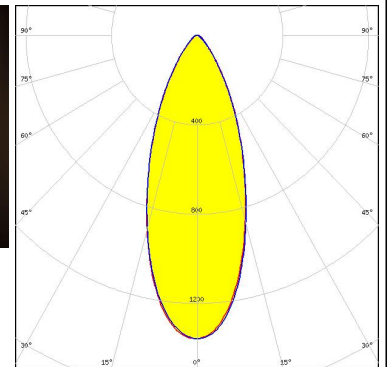
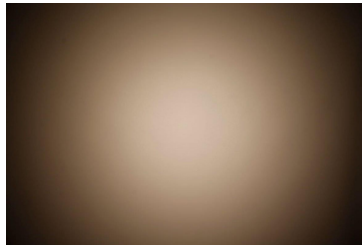
LED CLU720/721  
FWHM / FWTM 31.0° / 75.0°  
Efficiency 90 %  
Peak intensity 2 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



#### PHOTOMETRIC DATA (MEASURED):

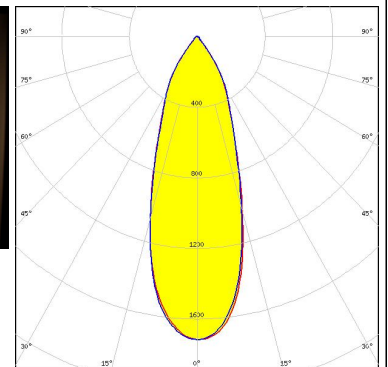
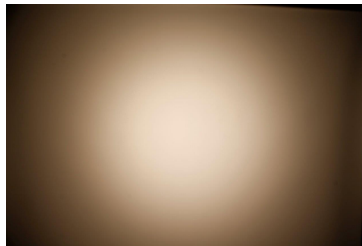
#### CITIZEN

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



#### CITIZEN

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



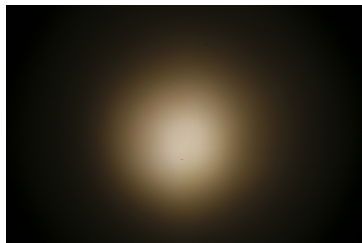
#### CREE LED

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



#### CREE LED

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



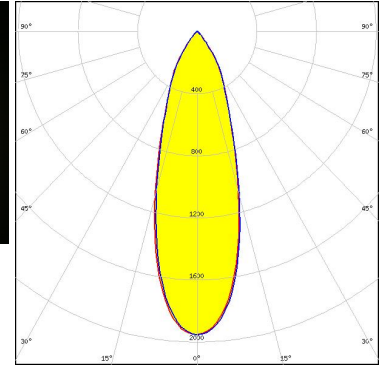
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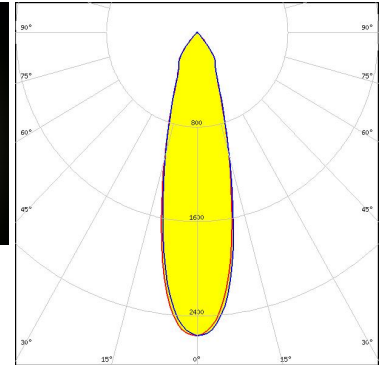
LED CXA/B 13xx  
FWHM / FWTM 26.0° / 67.0°  
Efficiency 80 %  
Peak intensity 2.4 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C12479\_MIRELLA-DL



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



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



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



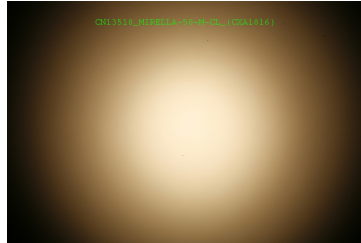
#### PHOTOMETRIC DATA (MEASURED):



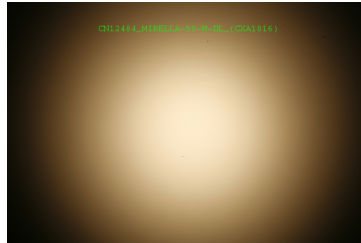
LED CXA/B 1816 & CXA/B 1820 & CXA 1850  
 FWHM / FWTM 34.0° / 78.0°  
 Efficiency 88 %  
 Peak intensity 2 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



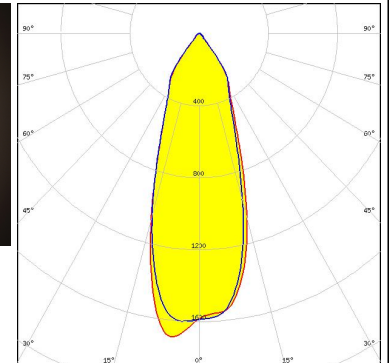
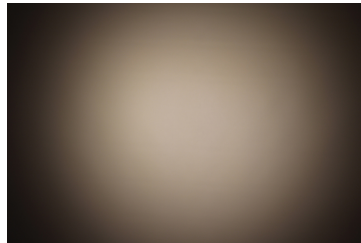
LED CXA/B 1816 & CXA/B 1820 & CXA 1850  
 FWHM / FWTM 37.0° / 76.0°  
 Efficiency 82 %  
 Peak intensity 1.8 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C13333\_MIRELLA-CL



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 White  
 Required components:  
 C12479\_MIRELLA-DL



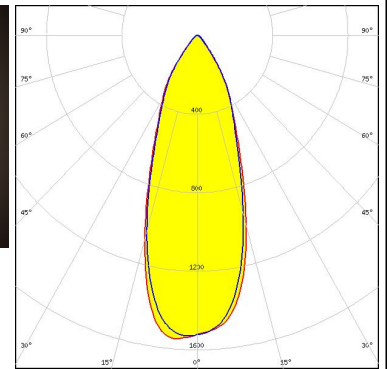
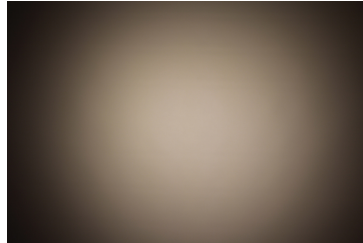
LED MHD-E/G  
 FWHM / FWTM 35.0° / 76.0°  
 Efficiency 88 %  
 Peak intensity 1.7 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C13333\_MIRELLA-CL



#### PHOTOMETRIC DATA (MEASURED):

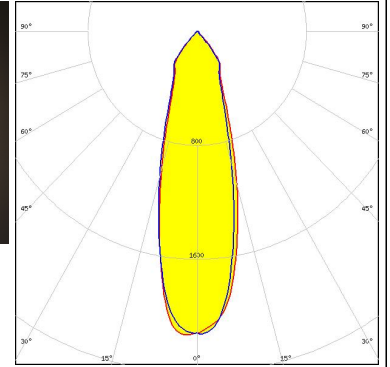
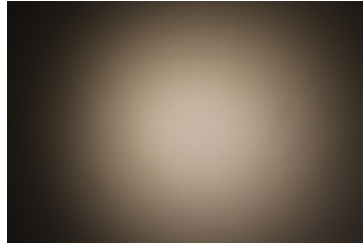
##### CREE LED

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



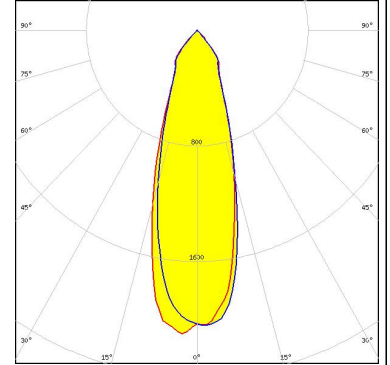
##### CREE LED

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



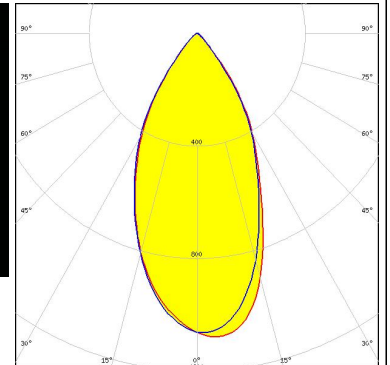
##### CREE LED

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



##### CREE LED

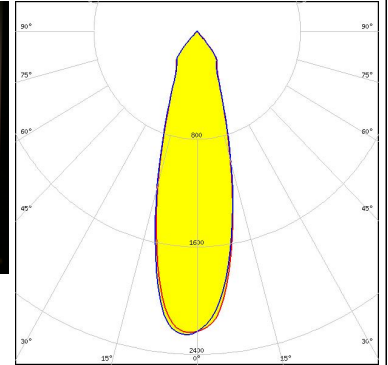
LED MT-G2  
FWHM / FWTM 38.0° / 77.0°  
Efficiency 83 %  
Peak intensity 1.7 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C12479\_MIRELLA-DL



#### PHOTOMETRIC DATA (MEASURED):

##### CREE LED

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



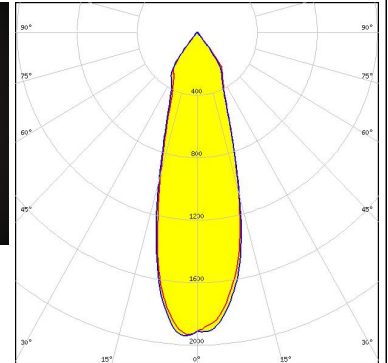
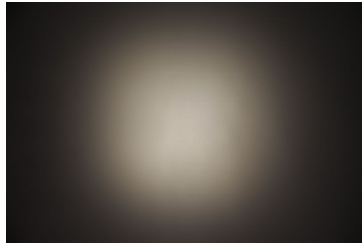
##### CREE LED

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



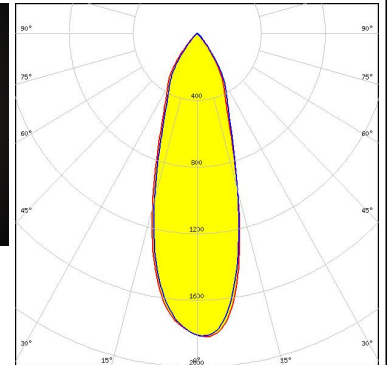
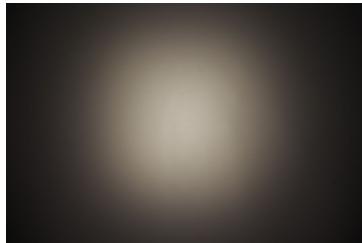
##### CREE LED

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



##### CREE LED

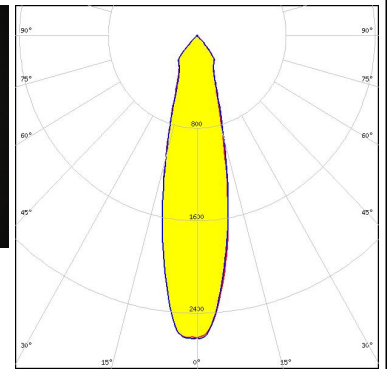
LED XHP50  
FWHM / FWTM 33.0° / 74.0°  
Efficiency 86 %  
Peak intensity 1.8 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C12479\_MIRELLA-DL



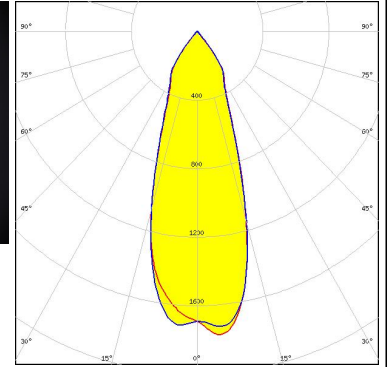
#### PHOTOMETRIC DATA (MEASURED):



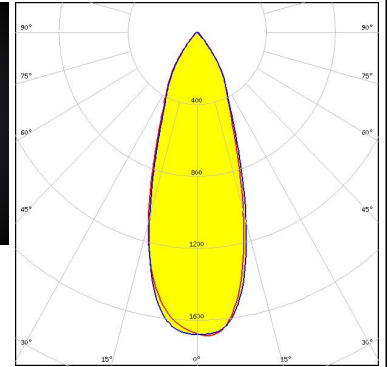
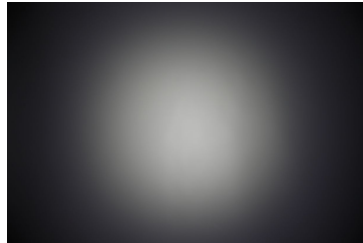
LED XHP50  
FWHM / FWTM 25.0° / 76.0°  
Efficiency 91 %  
Peak intensity 2.6 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



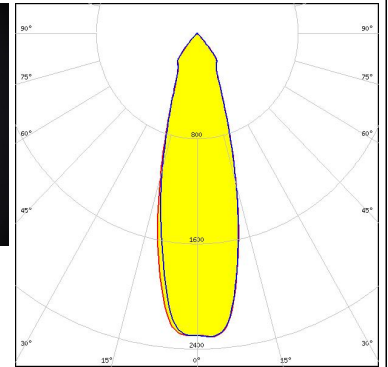
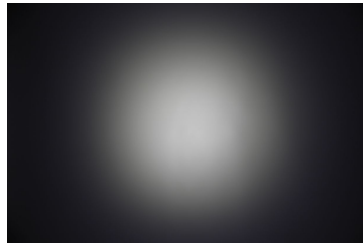
LED XHP70  
FWHM / FWTM 35.0° / 76.0°  
Efficiency 86 %  
Peak intensity 1.8 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C13333\_MIRELLA-CL



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



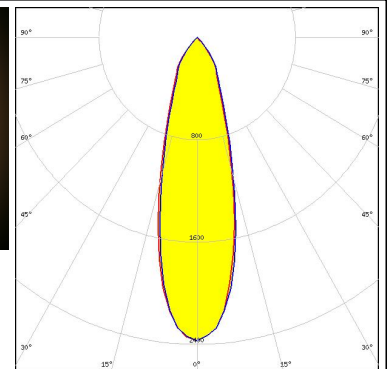
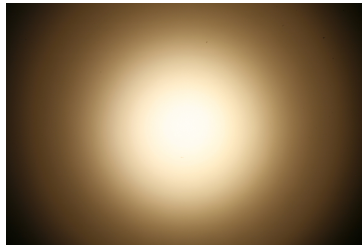
LED XHP70  
FWHM / FWTM 30.0° / 77.0°  
Efficiency 91 %  
Peak intensity 2.3 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



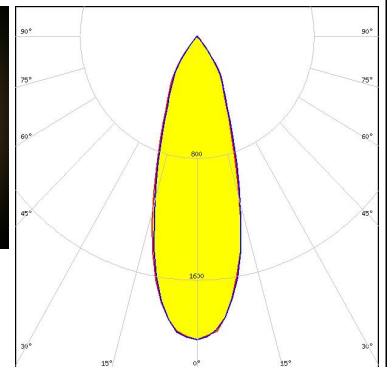
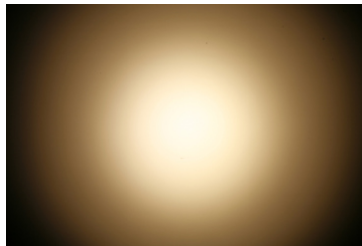
#### PHOTOMETRIC DATA (MEASURED):



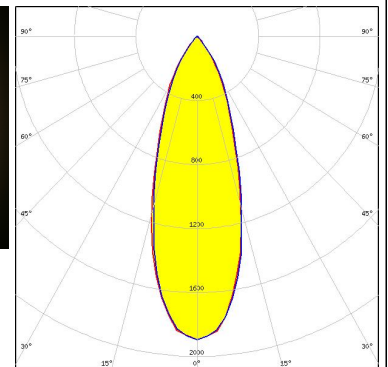
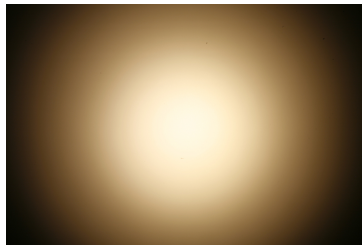
LED LUXEON CoB 1202/1203  
 FWHM / FWTM 29.0° / 72.0°  
 Efficiency 89 %  
 Peak intensity 2.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



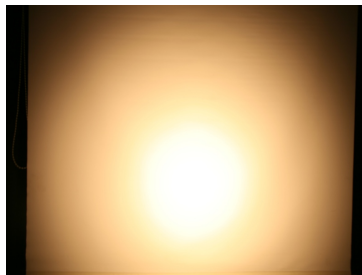
LED LUXEON CoB 1202/1203  
 FWHM / FWTM 33.0° / 72.0°  
 Efficiency 85 %  
 Peak intensity 2 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C13333\_MIRELLA-CL



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



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



#### PHOTOMETRIC DATA (MEASURED):



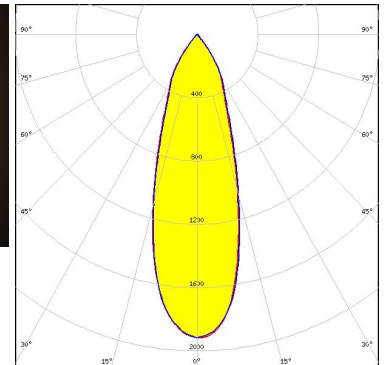
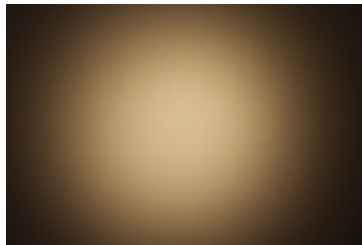
LED LUXEON S1000  
 FWHM / FWTM 22.0° / 66.0°  
 Efficiency %  
 LEDs/each optic 1  
 Light colour White  
 Required components:



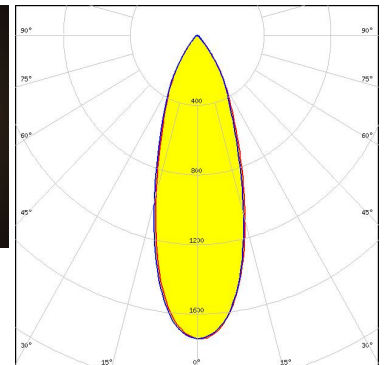
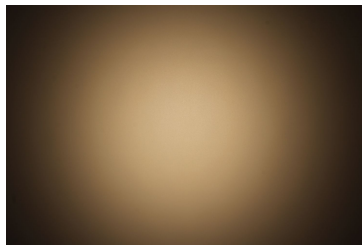
LED LUXEON S1000  
 FWHM / FWTM 22.0° / 64.0°  
 Efficiency 83 %  
 Peak intensity 3.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C13333\_MIRELLA-CL



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 White  
 Required components:  
 C13333\_MIRELLA-CL



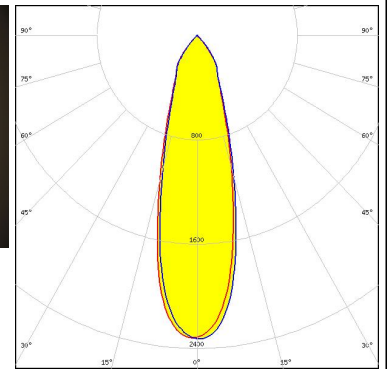
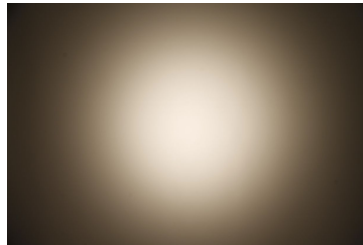
LED CxM-9 (13.5x13.5)  
 FWHM / FWTM 34.0° / 72.0°  
 Efficiency 85 %  
 Peak intensity 1.7 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C12479\_MIRELLA-DL



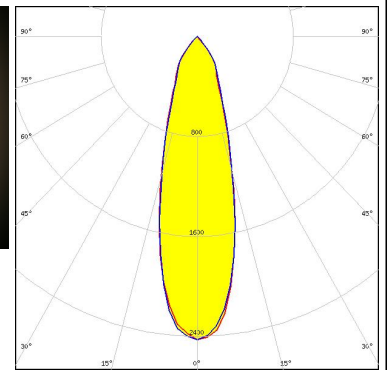
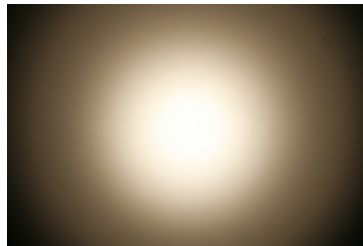
#### PHOTOMETRIC DATA (MEASURED):



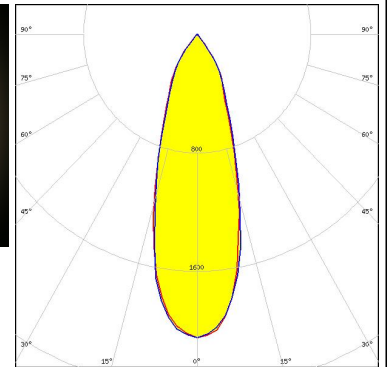
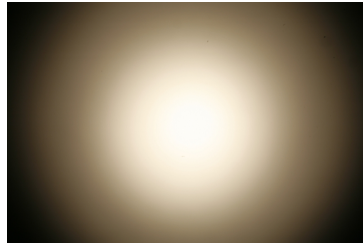
LED CxM-9 (13.5x13.5)  
 FWHM / FWTM 29.0° / 73.0°  
 Efficiency 90 %  
 Peak intensity 2.3 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



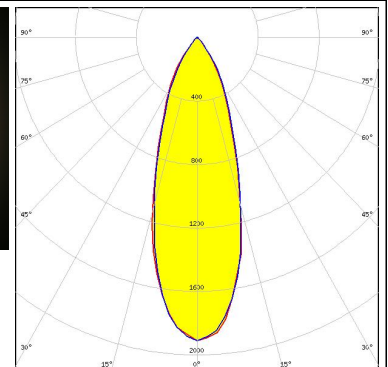
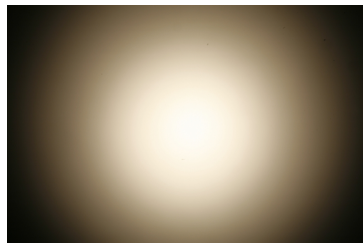
LED COB L-Type (LES 9)  
 FWHM / FWTM 29.0° / 72.0°  
 Efficiency 90 %  
 Peak intensity 2.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



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 White  
 Required components:  
 C13333\_MIRELLA-CL



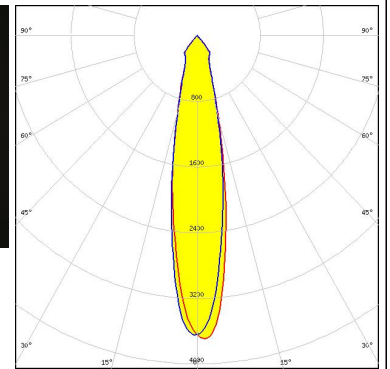
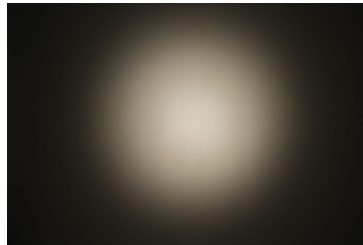
LED COB L-Type (LES 9)  
 FWHM / FWTM 34.0° / 71.0°  
 Efficiency 84 %  
 Peak intensity 1.9 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C12479\_MIRELLA-DL



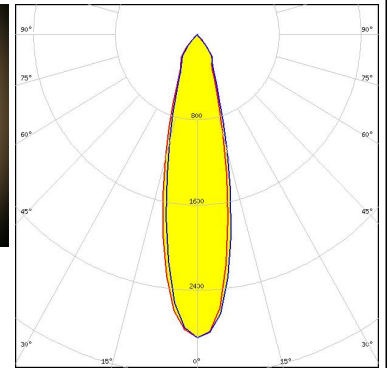
#### PHOTOMETRIC DATA (MEASURED):



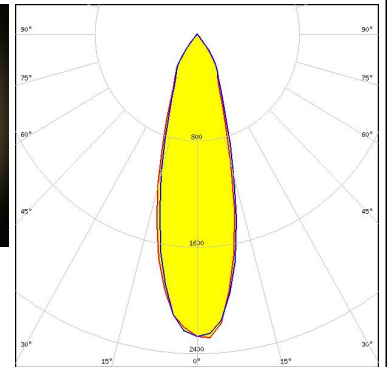
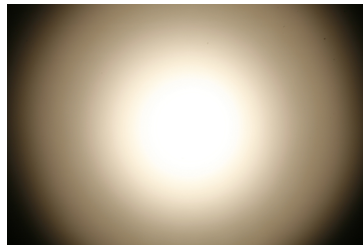
LED NFMW48xA  
FWHM / FWTM 21.0° / 53.0°  
Efficiency 82 %  
Peak intensity 3.3 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



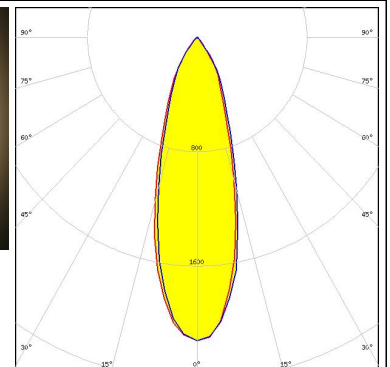
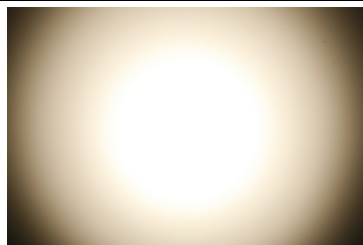
LED NSCxL036A  
FWHM / FWTM 26.0° / 64.0°  
Efficiency 88 %  
Peak intensity 2.8 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



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



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

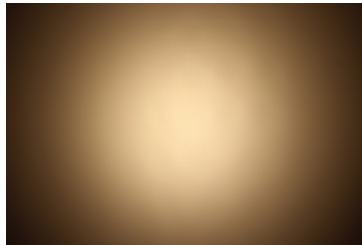


#### PHOTOMETRIC DATA (MEASURED):

##### OSRAM

Opto Semiconductors

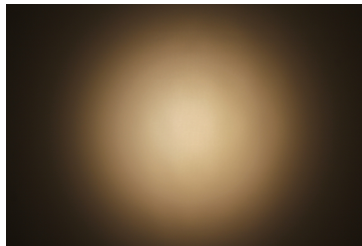
LED Duris S10  
FWHM / FWTM 32.0° / 72.0°  
Efficiency 81 %  
Peak intensity 1.9 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C12479\_MIRELLA-DL



##### OSRAM

Opto Semiconductors

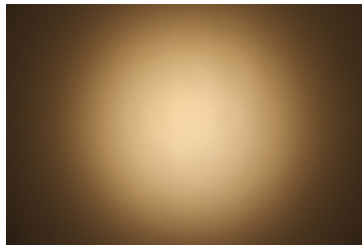
LED Duris S10  
FWHM / FWTM 24.0° / 63.0°  
Efficiency 88 %  
Peak intensity 3.3 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



##### OSRAM

Opto Semiconductors

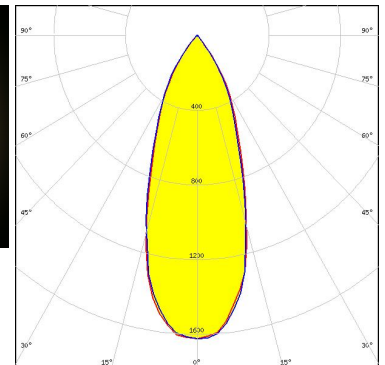
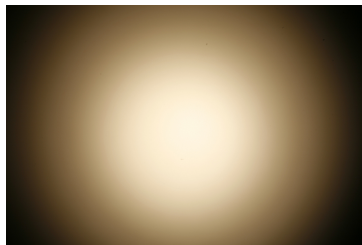
LED Duris S10  
FWHM / FWTM 29.0° / 71.0°  
Efficiency 83 %  
Peak intensity 2.5 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C13333\_MIRELLA-CL



##### 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 White  
Required components:  
C13333\_MIRELLA-CL

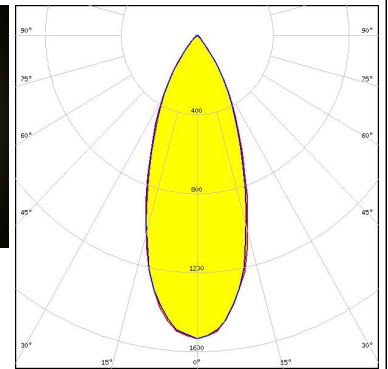
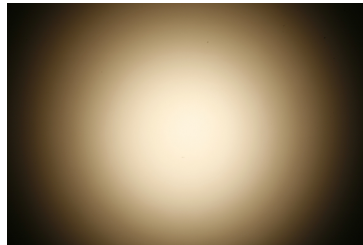


#### PHOTOMETRIC DATA (MEASURED):

##### OSRAM

Opto Semiconductors

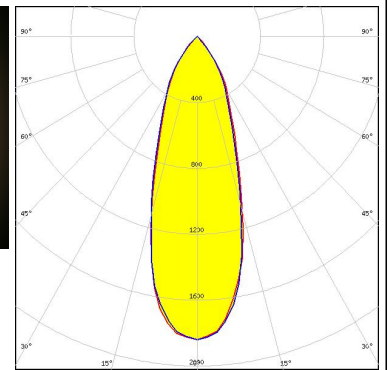
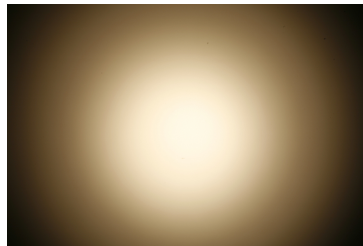
LED Soleriq S13  
FWHM / FWTM 39.0° / 75.0°  
Efficiency 81 %  
Peak intensity 1.5 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C12479\_MIRELLA-DL



##### OSRAM

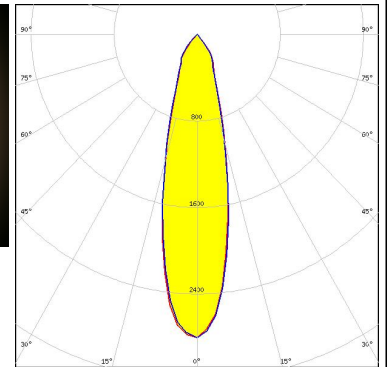
Opto Semiconductors

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



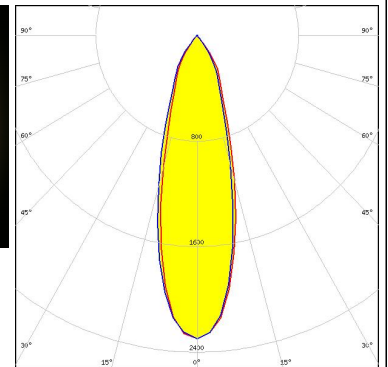
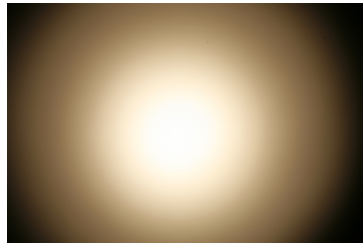
SEOUL SEMICONDUCTOR

LED ZC4/6  
FWHM / FWTM 26.0° / 66.0°  
Efficiency 87 %  
Peak intensity 2.8 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



SEOUL SEMICONDUCTOR

LED ZC4/6  
FWHM / FWTM 30.0° / 69.0°  
Efficiency 82 %  
Peak intensity 2.3 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C13333\_MIRELLA-CL



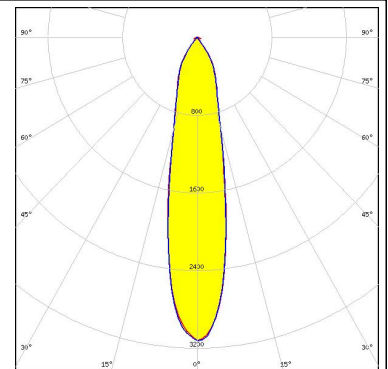
#### PHOTOMETRIC DATA (MEASURED):

|                                                                                                                                                                                                                                                          |  |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|
| <p><b>SEOL</b><br/>SEOUL SEMICONDUCTOR</p> <p>LED ZC4/6</p> <p>FWHM / FWTM 32.0° / 70.0°</p> <p>Efficiency 83 %</p> <p>Peak intensity 2.1 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:<br/>C12479_MIRELLA-DL</p> |  |  |
| <p><b>SHARP</b></p> <p>LED Mini Zenigata (GW5BM)</p> <p>FWHM / FWTM 29.0° / 71.0°</p> <p>Efficiency 90 %</p> <p>Peak intensity 2.7 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>                              |  |  |
| <p><b>SHARP</b></p> <p>LED Mini Zenigata (GW6BM)</p> <p>FWHM / FWTM 25.0° / 73.0°</p> <p>Efficiency 90 %</p> <p>Peak intensity 2.7 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>                              |  |  |
| <p><b>SHARP</b></p> <p>LED Mini Zenigata (GW6BM)</p> <p>FWHM / FWTM 30.0° / 70.0°</p> <p>Efficiency 83 %</p> <p>Peak intensity 1.9 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:<br/>C12479_MIRELLA-DL</p>        |  |  |

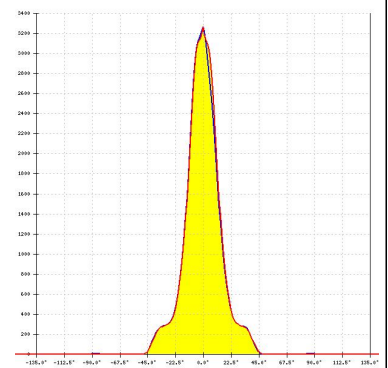
#### PHOTOMETRIC DATA (SIMULATED):



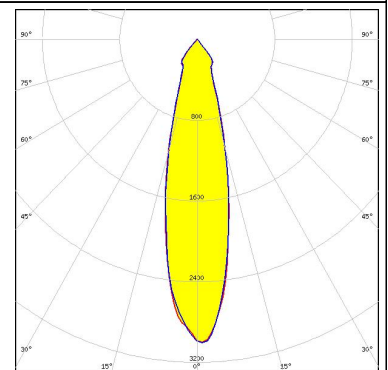
LED Vero SE 10  
FWHM / FWTM 22.0° / 64.0°  
Efficiency 91 %  
Peak intensity 3.1 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



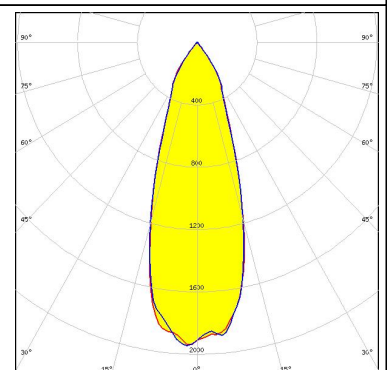
LED LUXEON 7070  
FWHM / FWTM 26.0° / 52.0°  
Efficiency 96 %  
Peak intensity 3.3 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



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



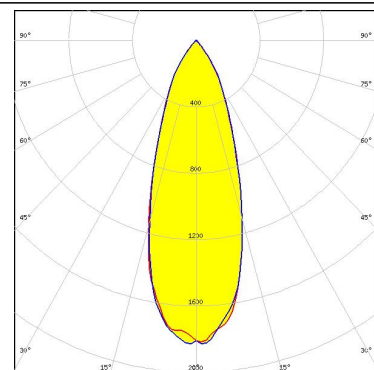
LED Soleriq S9  
FWHM / FWTM 34.0° / 71.0°  
Efficiency 87 %  
Peak intensity 2 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C13333\_MIRELLA-CL



### PHOTOMETRIC DATA (SIMULATED):

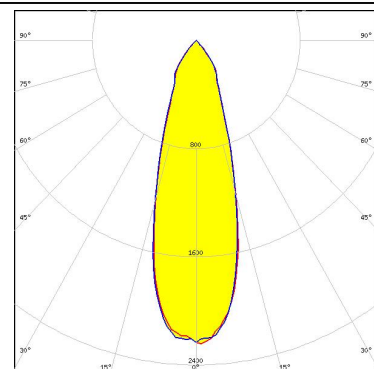
#### OSRAM Opto Semiconductors

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



#### 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 White  
Required components:



### 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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Shenzhen 518057  
P.R.CHINA

#### Local sales and technical support

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

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#### Distribution Partners

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