

## MIRELLA-50-W-PIN

~40° wide beam

### SPECIFICATION:

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

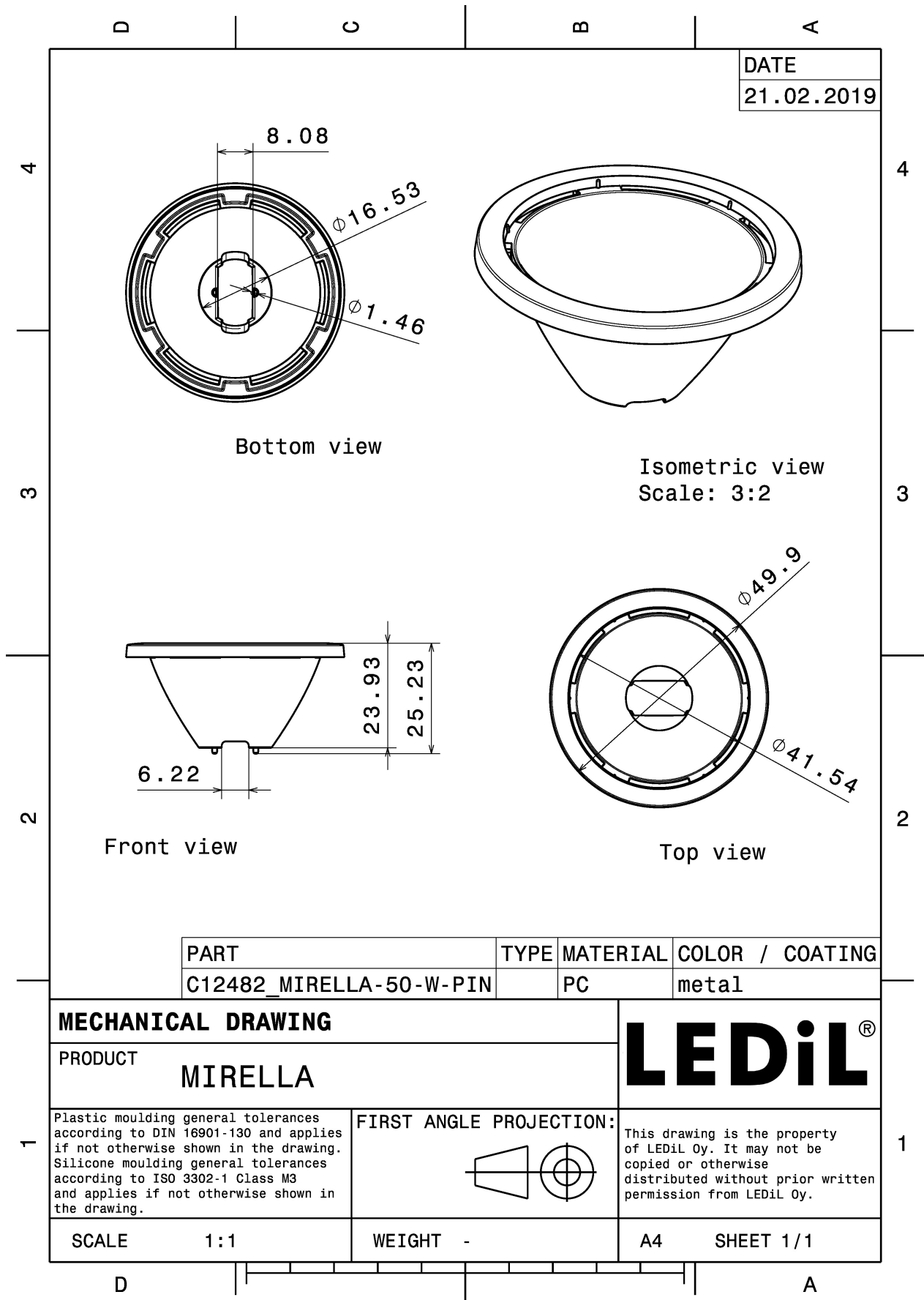
### MATERIALS:

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



### ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
C12482_MIRELLA-50-W-PIN » Box size: 480 x 280 x 300 mm	336	112	28	2.7

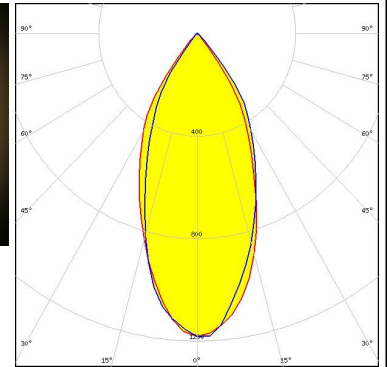
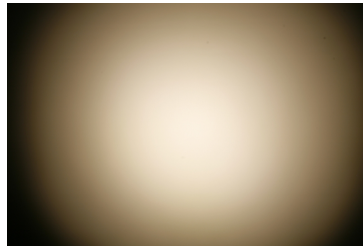


See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)

#### OPTICAL RESULTS (MEASURED):

bridgelux

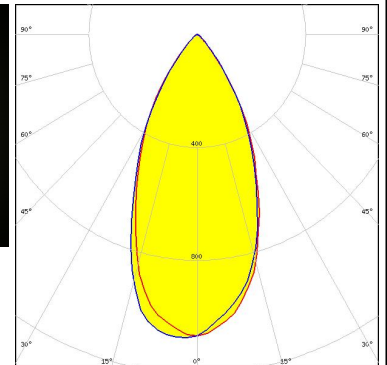
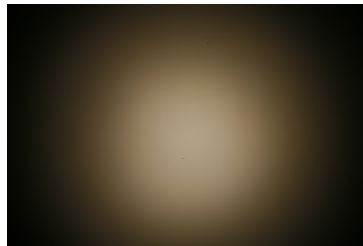
LED SM4  
 FWHM / FWTM 44.0° / 78.0°  
 Efficiency 78 %  
 Peak intensity 1.2 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C13333\_MIRELLA-CL



Light distribution files

bridgelux

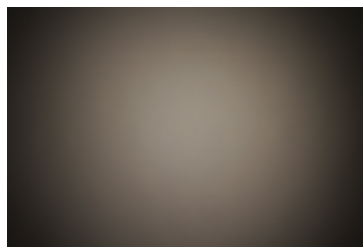
LED SM4  
 FWHM / FWTM 49.0° / 82.0°  
 Efficiency 77 %  
 Peak intensity 1.1 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C12479\_MIRELLA-DL



Light distribution files

CREE  
LEDs

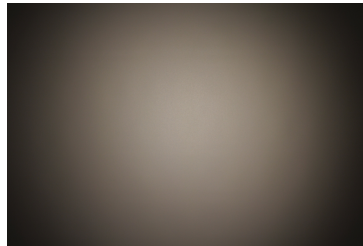
LED MHB-A/B  
 FWHM / FWTM 51.0° / 84.0°  
 Efficiency 82 %  
 Peak intensity 1.2 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C12479\_MIRELLA-DL



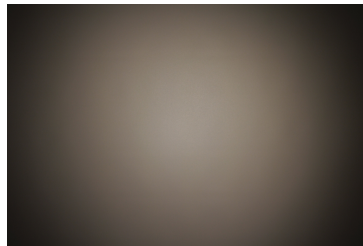
#### OPTICAL RESULTS (MEASURED):



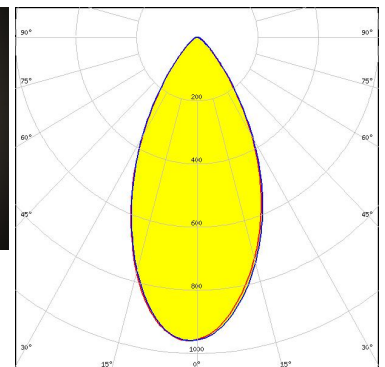
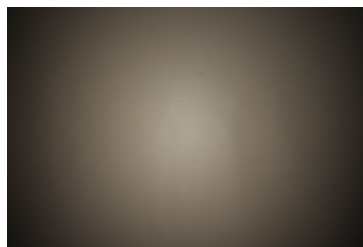
LED MHB-A/B  
 FWHM / FWTM 45.0° / 88.0°  
 Efficiency 87 %  
 Peak intensity 1.4 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



LED MHB-A/B  
 FWHM / FWTM 49.0° / 82.0°  
 Efficiency 82 %  
 Peak intensity 1.2 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C13333\_MIRELLA-CL



LED XHP50  
 FWHM / FWTM 51.0° / 88.0°  
 Efficiency 81 %  
 Peak intensity 1 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C13723\_MIRELLA-RZL



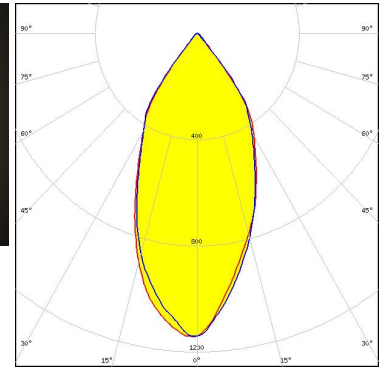
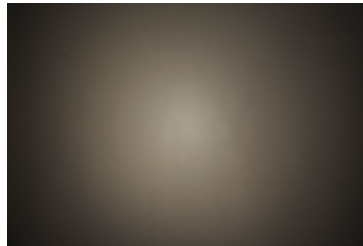
Light distribution files



#### OPTICAL RESULTS (MEASURED):



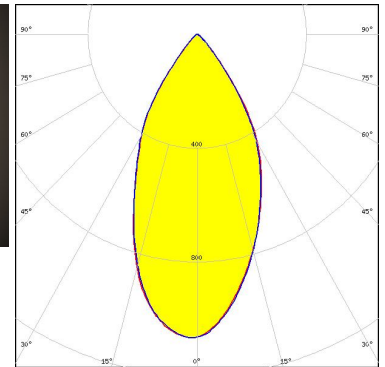
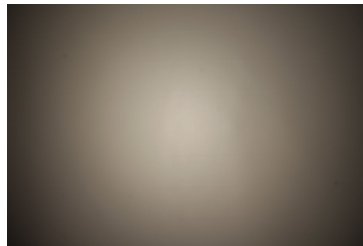
LED XHP50  
 FWHM / FWTM 48.0° / 80.0°  
 Efficiency 83 %  
 Peak intensity 1.1 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C13333\_MIRELLA-CL



Light distribution files



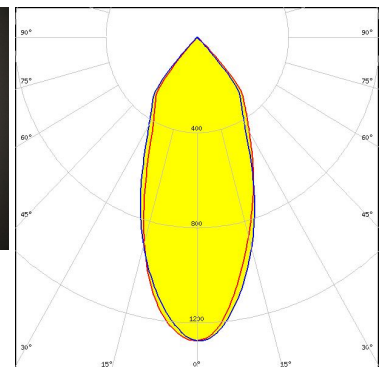
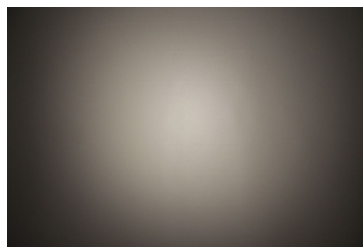
LED XHP50  
 FWHM / FWTM 51.0° / 83.0°  
 Efficiency 84 %  
 Peak intensity 1.1 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C12479\_MIRELLA-DL



Light distribution files



LED XHP50  
 FWHM / FWTM 44.0° / 86.0°  
 Efficiency 89 %  
 Peak intensity 1.3 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

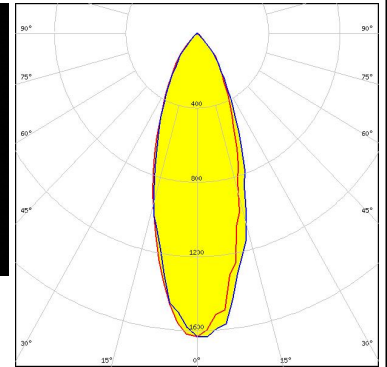


Light distribution files

#### OPTICAL RESULTS (MEASURED):



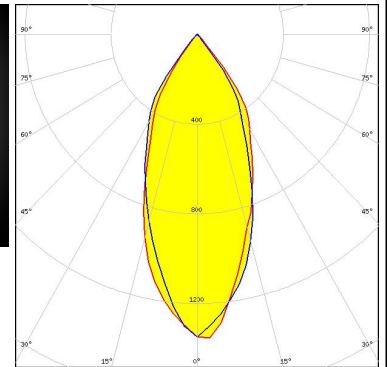
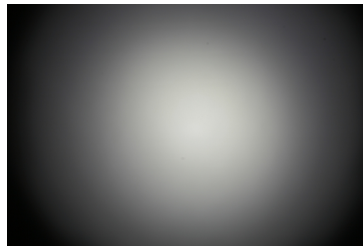
LED XM-L  
 FWHM / FWTM 32.0° / 80.0°  
 Efficiency 88 %  
 Peak intensity 1.6 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



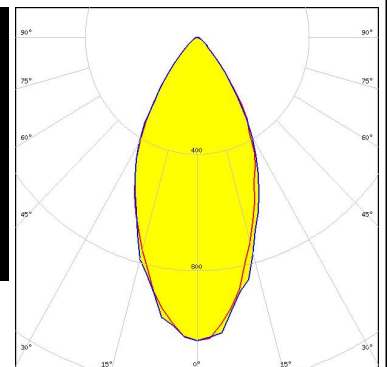
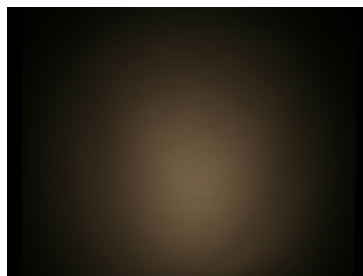
LED XM-L  
 FWHM / FWTM 45.0° / 79.0°  
 Efficiency 86 %  
 Peak intensity 1.4 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C13333\_MIRELLA-CL



Light distribution files



LED XM-L  
 FWHM / FWTM 46.0° / 86.0°  
 Efficiency 80 %  
 Peak intensity 1 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C12479\_MIRELLA-DL

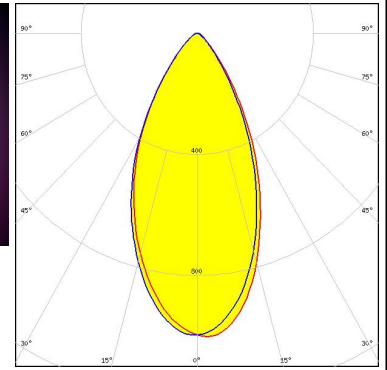
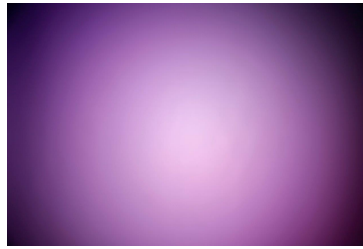


Light distribution files

#### OPTICAL RESULTS (MEASURED):



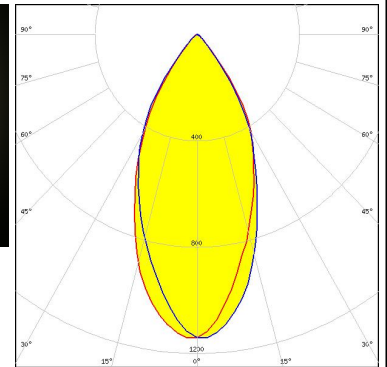
**LED** XM-L RGBW (XMLCTW)  
**FWHM / FWTM** 50.0° / 87.0°  
**Efficiency** 81 %  
**Peak intensity** 1 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**  
 C13723\_MIRELLA-RZL



Light distribution files



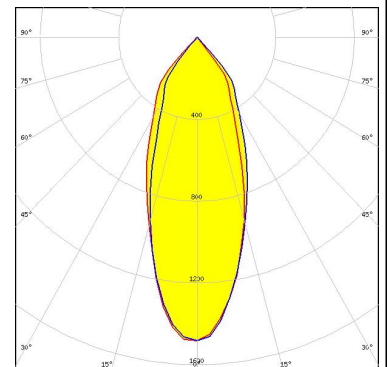
**LED** XM-L2  
**FWHM / FWTM** 49.0° / 83.0°  
**Efficiency** 81 %  
**Peak intensity** 1.1 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**  
 C12479\_MIRELLA-DL



Light distribution files



**LED** XM-L2  
**FWHM / FWTM** 39.0° / 83.0°  
**Efficiency** 89 %  
**Peak intensity** 1.5 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**

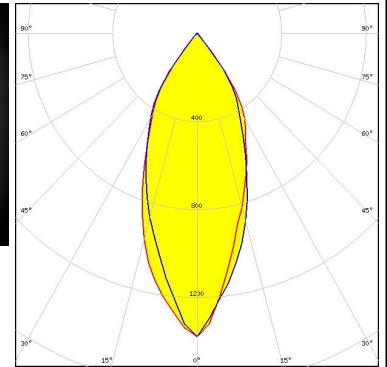


Light distribution files

#### OPTICAL RESULTS (MEASURED):



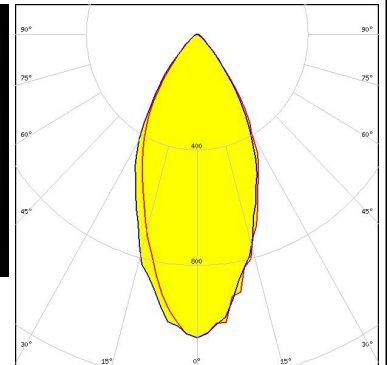
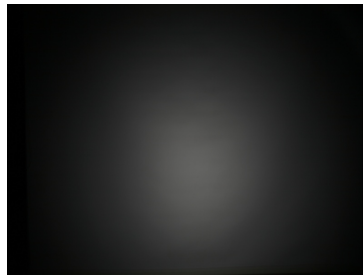
LED XP-G  
FWHM / FWTM 41.0° / 79.0°  
Efficiency 81 %  
Peak intensity 1.4 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:  
C13333\_MIRELLA-CL



Light distribution files



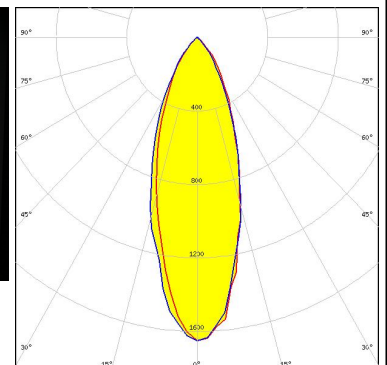
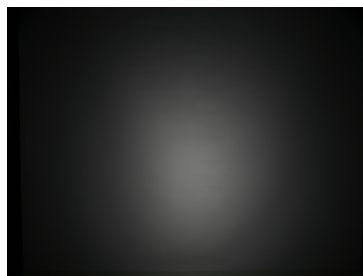
LED XP-G  
FWHM / FWTM 50.0° / 86.0°  
Efficiency 80 %  
Peak intensity 1.1 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:  
C12479\_MIRELLA-DL



Light distribution files



LED XP-G  
FWHM / FWTM 34.0° / 78.0°  
Efficiency 86 %  
Peak intensity 1.7 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

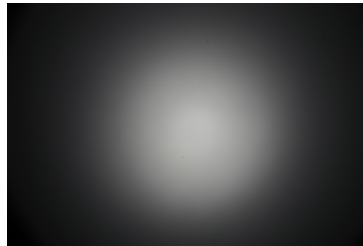


Light distribution files

#### OPTICAL RESULTS (MEASURED):



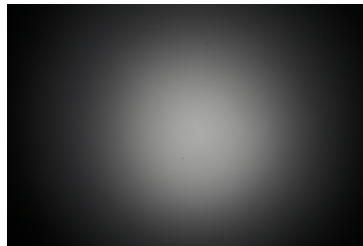
LED XP-G2  
FWHM / FWTM 36.0° / 84.0°  
Efficiency 88 %  
Peak intensity 1.7 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



[Light distribution files](#)



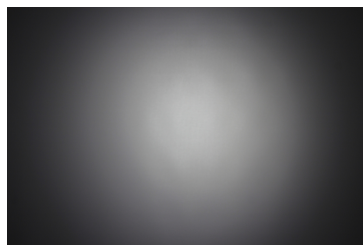
LED XP-G2  
FWHM / FWTM 45.0° / 81.0°  
Efficiency 83 %  
Peak intensity 1.3 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:  
C12479\_MIRELLA-DL



[Light distribution files](#)



LED XP-L HI  
FWHM / FWTM 35.0° / 84.0°  
Efficiency 87 %  
Peak intensity 1.7 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

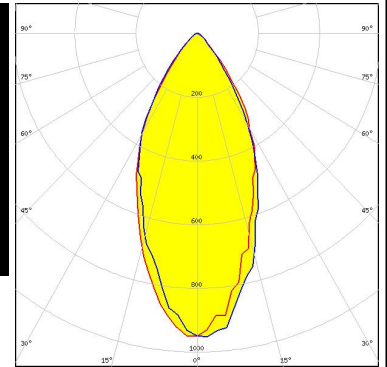


[Light distribution files](#)

#### OPTICAL RESULTS (MEASURED):



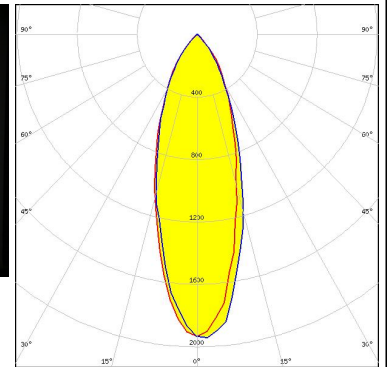
LED XT-E  
 FWHM / FWTM 46.0° / 86.0°  
 Efficiency 77 %  
 Peak intensity 1 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C12479\_MIRELLA-DL



Light distribution files



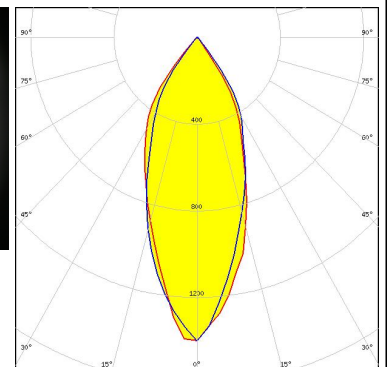
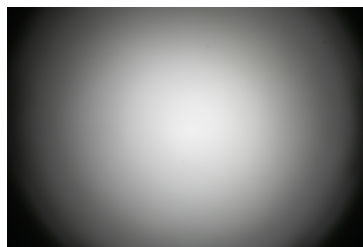
LED XT-E  
 FWHM / FWTM 31.0° / 80.0°  
 Efficiency 84 %  
 Peak intensity 1.2 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



LED XT-E  
 FWHM / FWTM 41.0° / 77.0°  
 Efficiency 83 %  
 Peak intensity 1.4 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C13333\_MIRELLA-CL



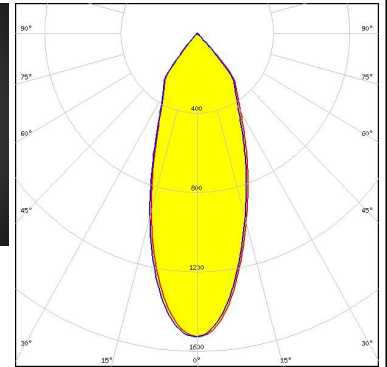
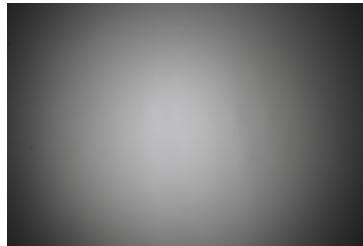
Light distribution files



#### OPTICAL RESULTS (MEASURED):



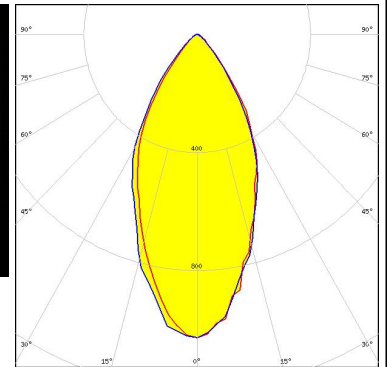
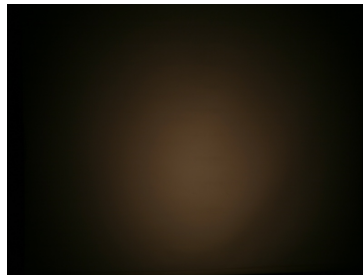
LED LUXEON 5050 Round LES  
 FWHM / FWTM 38.0° / 83.0°  
 Efficiency 89 %  
 Peak intensity 1.5 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



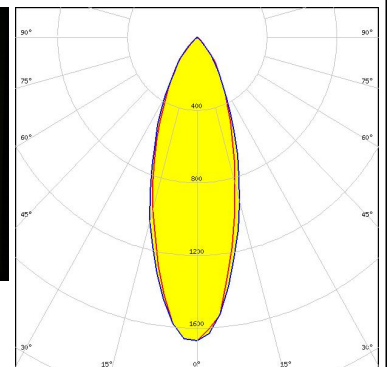
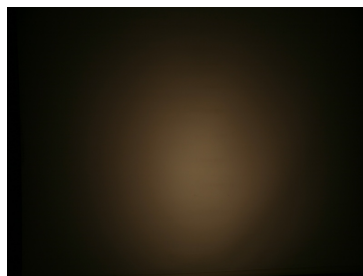
LED LUXEON A  
 FWHM / FWTM 48.0° / 86.0°  
 Efficiency 80 %  
 Peak intensity 1 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C12479\_MIRELLA-DL



Light distribution files



LED LUXEON A  
 FWHM / FWTM 30.0° / 76.0°  
 Efficiency 86 %  
 Peak intensity 1.7 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



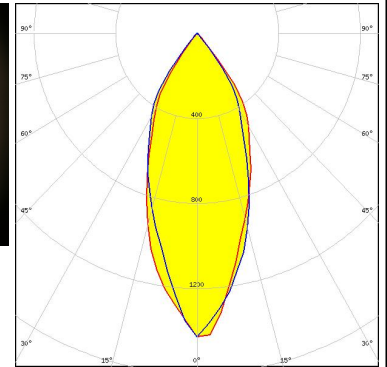
Light distribution files



#### OPTICAL RESULTS (MEASURED):



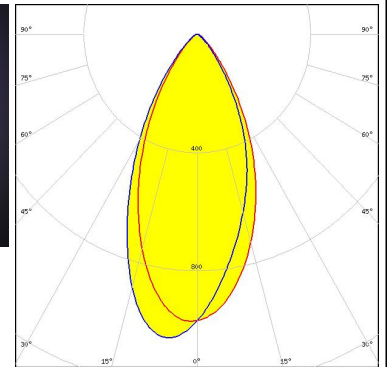
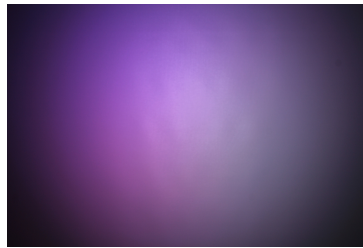
**LED** LUXEON A  
**FWHM / FWTM** 41.0° / 78.0°  
**Efficiency** 84 %  
**Peak intensity** 1.4 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**  
 C13333\_MIRELLA-CL



Light distribution files



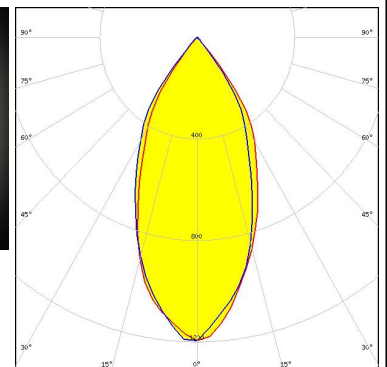
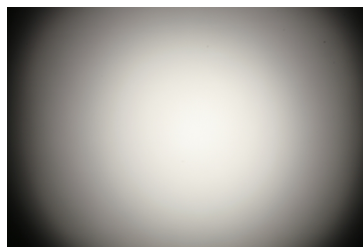
**LED** LUXEON C  
**FWHM / FWTM** 47.0° / 85.0°  
**Efficiency** 77 %  
**Peak intensity** 1 cd/lm  
**LEDs/each optic** 4  
**Light colour/type** RGBW  
**Required components:**  
 C13723\_MIRELLA-RZL



Light distribution files



**LED** LUXEON M/MX  
**FWHM / FWTM** 47.0° / 80.0°  
**Efficiency** 83 %  
**Peak intensity** 1.2 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**  
 C13333\_MIRELLA-CL

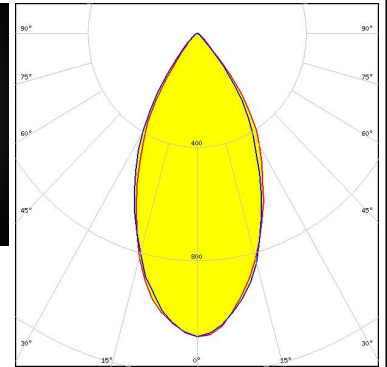


Light distribution files

#### OPTICAL RESULTS (MEASURED):



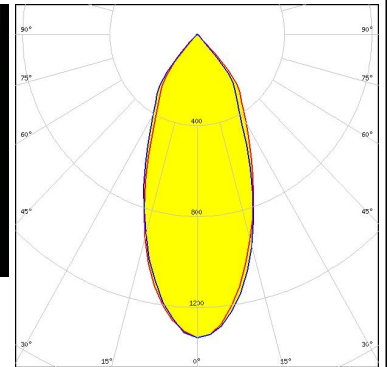
LED LUXEON M/MX  
 FWHM / FWTM 54.0° / 90.0°  
 Efficiency 80 %  
 Peak intensity 1 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C12479\_MIRELLA-DL



Light distribution files



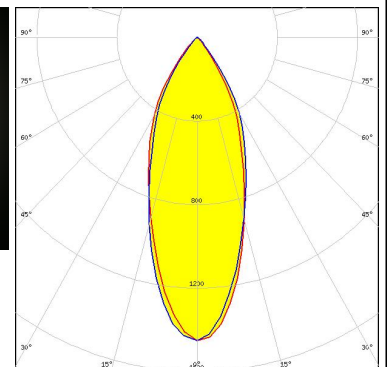
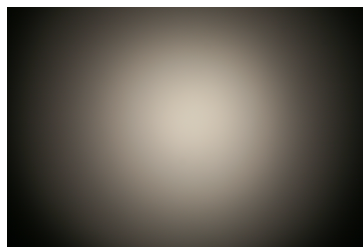
LED LUXEON M/MX  
 FWHM / FWTM 39.0° / 84.0°  
 Efficiency 87 %  
 Peak intensity 1.4 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



LED LUXEON MZ  
 FWHM / FWTM 40.0° / 77.0°  
 Efficiency 82 %  
 Peak intensity 1.5 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C12479\_MIRELLA-DL

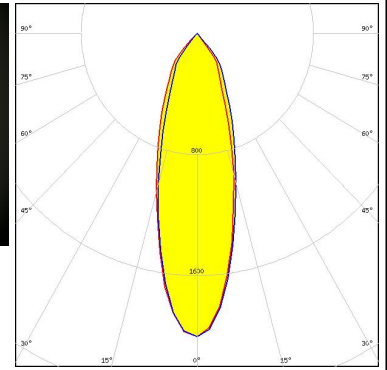


Light distribution files

#### OPTICAL RESULTS (MEASURED):



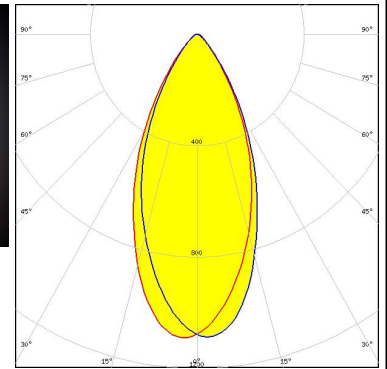
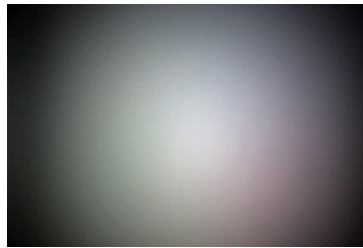
**LED** LUXEON MZ  
**FWHM / FWTM** 32.0° / 79.0°  
**Efficiency** 87 %  
**Peak intensity** 2 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**



Light distribution files



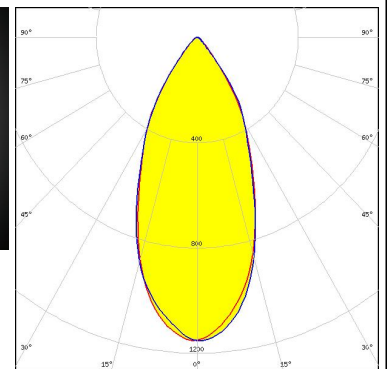
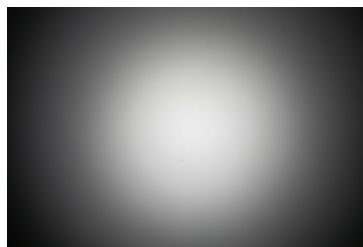
**LED** LUXEON Z  
**FWHM / FWTM** 46.0° / 84.0°  
**Efficiency** 80 %  
**Peak intensity** 1.1 cd/lm  
**LEDs/each optic** 4  
**Light colour/type** RGBW  
**Required components:**  
 C13723\_MIRELLA-RZL



Light distribution files



**LED** NS9x383  
**FWHM / FWTM** 46.0° / 81.0°  
**Efficiency** 83 %  
**Peak intensity** 1.2 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**  
 C12479\_MIRELLA-DL

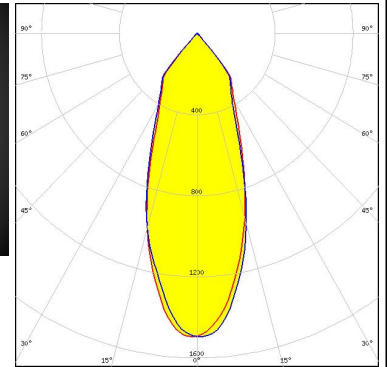


Light distribution files

#### OPTICAL RESULTS (MEASURED):



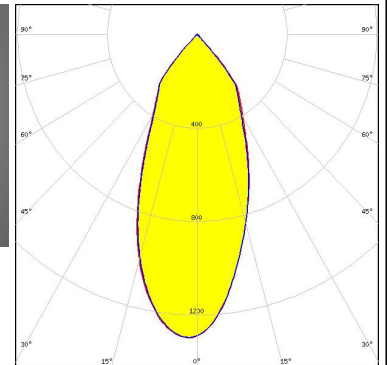
LED NS9x383  
 FWHM / FWTM 39.0° / 84.0°  
 Efficiency 89 %  
 Peak intensity 1.5 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



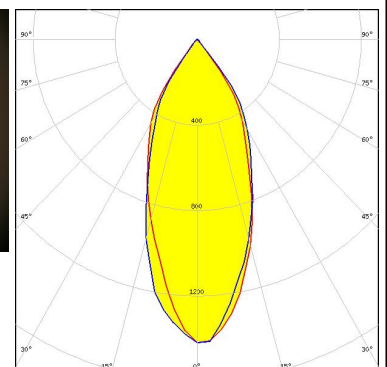
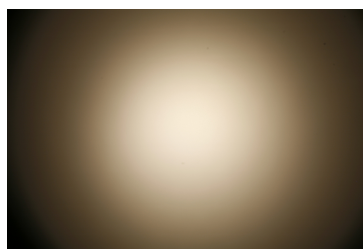
LED NV4x144A  
 FWHM / FWTM 43.0° / 85.0°  
 Efficiency 87 %  
 Peak intensity 1.3 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



LED Duris S8  
 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

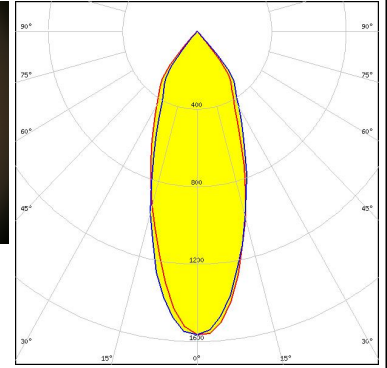


Light distribution files

#### OPTICAL RESULTS (MEASURED):

**OSRAM**  
Opto Semiconductors

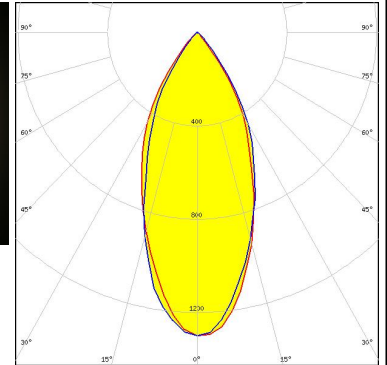
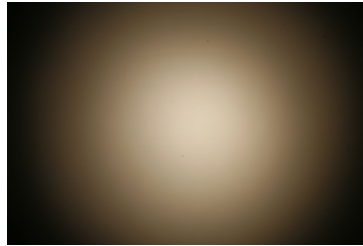
LED Duris S8  
 FWHM / FWTM 39.0° / 82.0°  
 Efficiency 88 %  
 Peak intensity 1.6 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files

**OSRAM**  
Opto Semiconductors

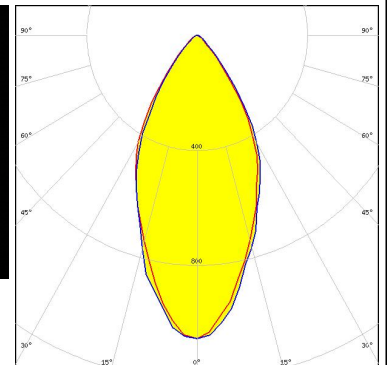
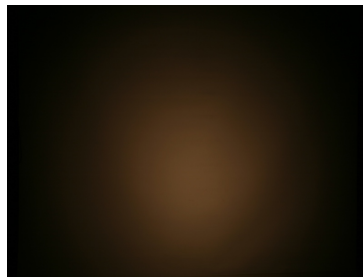
LED Duris S8  
 FWHM / FWTM 44.0° / 75.0°  
 Efficiency 83 %  
 Peak intensity 1.3 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C12479\_MIRELLA-DL



Light distribution files

**OSRAM**  
Opto Semiconductors

LED OSLOM Square EC  
 FWHM / FWTM 50.0° / 85.0°  
 Efficiency 79 %  
 Peak intensity 1.1 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C12479\_MIRELLA-DL

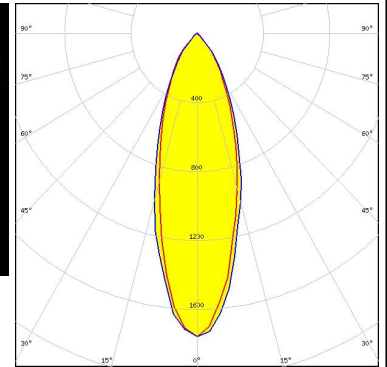


Light distribution files

#### OPTICAL RESULTS (MEASURED):

**OSRAM**  
Opto Semiconductors

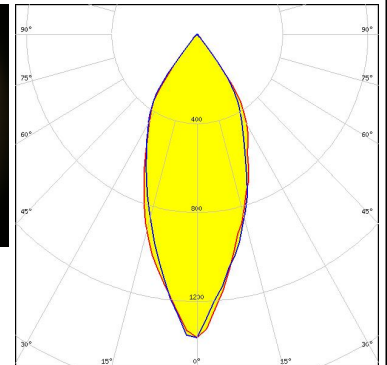
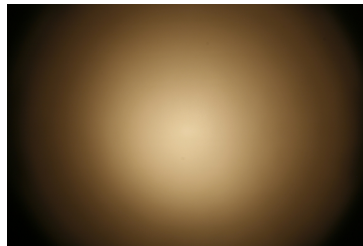
LED OSLON Square EC  
 FWHM / FWTM 32.0° / 76.0°  
 Efficiency 85 %  
 Peak intensity 1.8 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files

**OSRAM**  
Opto Semiconductors

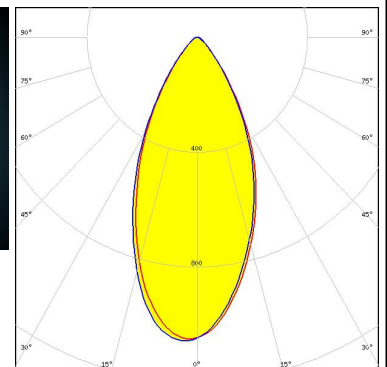
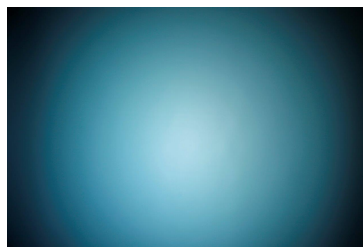
LED OSLON Square EC  
 FWHM / FWTM 41.0° / 78.0°  
 Efficiency 83 %  
 Peak intensity 1.4 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C13333\_MIRELLA-CL



Light distribution files

**OSRAM**  
Opto Semiconductors

LED Ostar-SMT RGB  
 FWHM / FWTM 48.0° / 85.0°  
 Efficiency 81 %  
 Peak intensity 1.1 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C13723\_MIRELLA-RZL



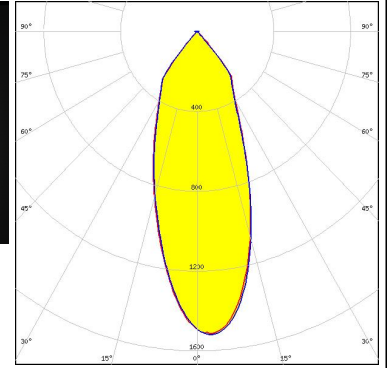
Light distribution files



#### OPTICAL RESULTS (MEASURED):

### SAMSUNG

LED LH508A  
FWHM / FWTM 38.0° / 82.0°  
Efficiency 87 %  
Peak intensity 1.5 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



SEOUL SEMICONDUCTOR

LED F50360 (RGB)  
FWHM / FWTM 46.0° / 86.0°  
Efficiency 81 %  
Peak intensity 1.2 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:  
C13723\_MIRELLA-RZL



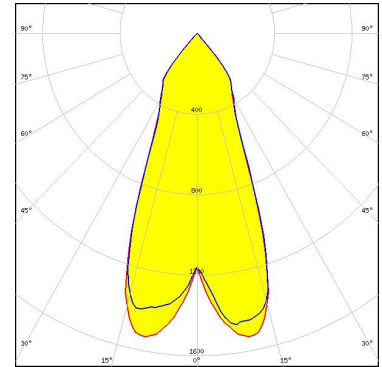
Light distribution files



#### OPTICAL RESULTS (SIMULATED):



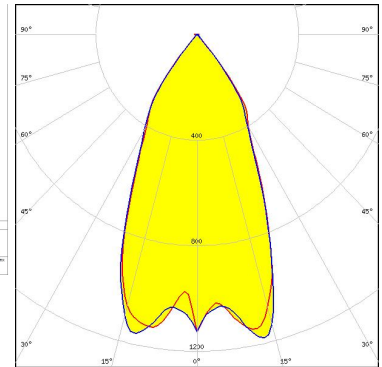
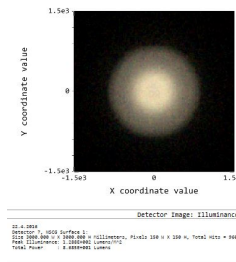
LED LUXEON 5258  
 FWHM / FWTM 41.0° / 82.0°  
 Efficiency 91 %  
 Peak intensity 1.5 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



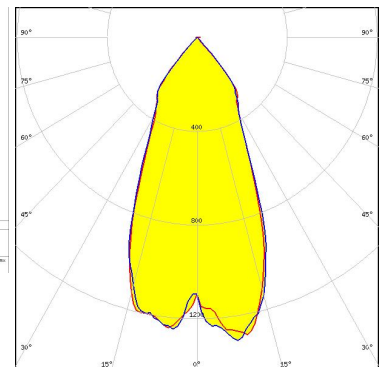
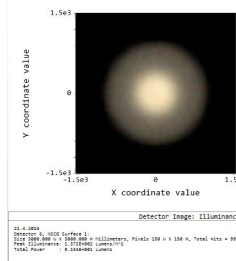
LED OSCONIQ P 7070  
 FWHM / FWTM 46.0° / 79.0°  
 Efficiency 87 %  
 Peak intensity 1.2 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C13333\_MIRELLA-CL



Light distribution files



LED OSCONIQ P 7070  
 FWHM / FWTM 45.0° / 84.0°  
 Efficiency 91 %  
 Peak intensity 1.3 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



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.

#### MATERIALS:

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