

## MIRELLA-50-S-PIN

~15° spot beam

### SPECIFICATION:

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

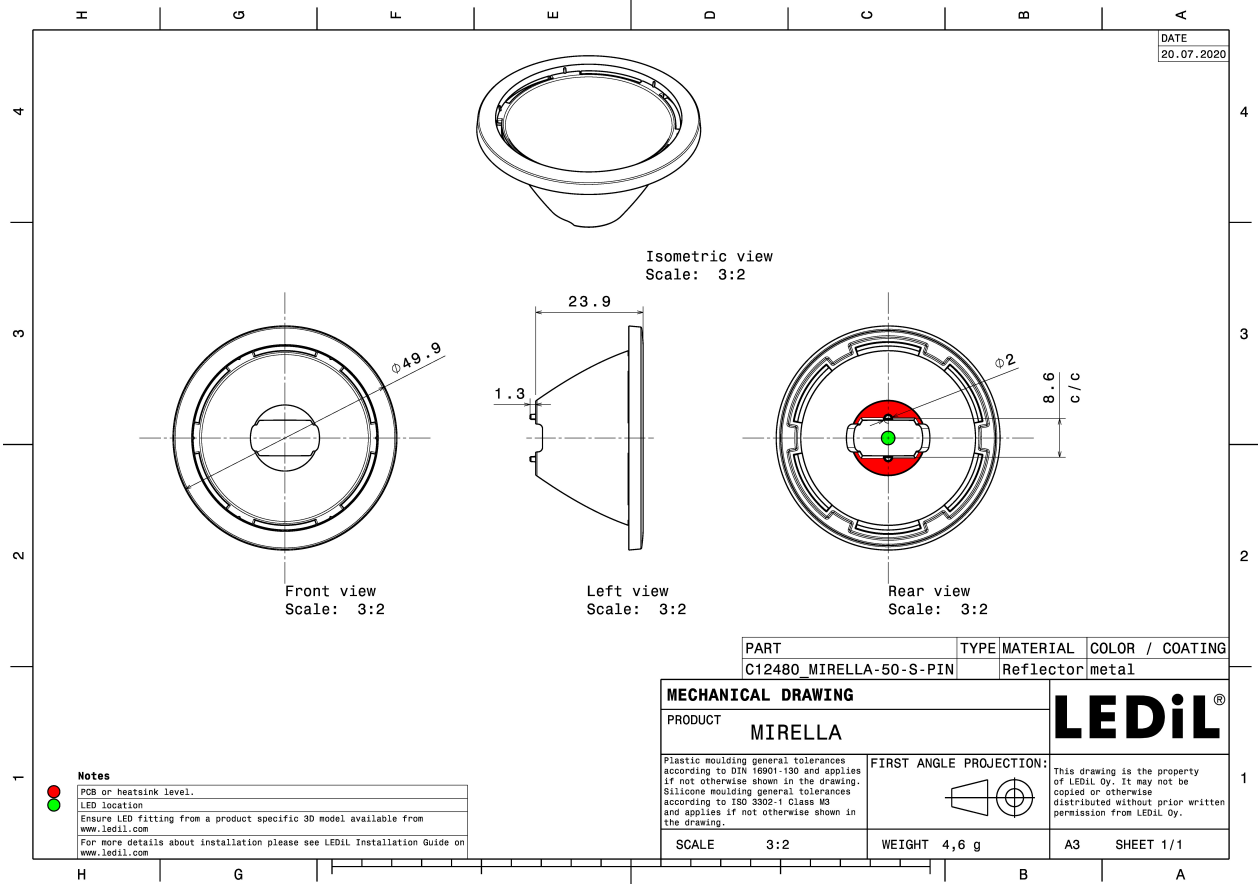


### MATERIALS:

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

### ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
C12480_MIRELLA-50-S-PIN » Box size: 480 x 280 x 300 mm	336	112	28	3.0



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

#### OPTICAL RESULTS (MEASURED):



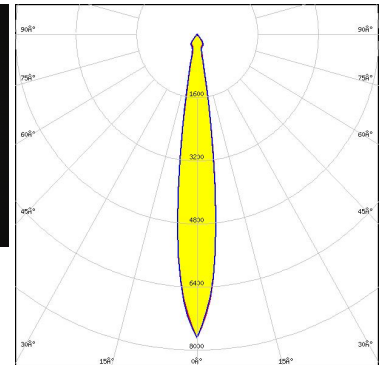
**LED** SM4  
**FWHM / FWTM** 15.0° / 32.0°  
**Efficiency** 81 %  
**Peak intensity** 6.9 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**  
 C12479\_MIRELLA-DL



Light distribution files



**LED** MHB-A/B  
**FWHM / FWTM** 16.0° / 32.0°  
**Efficiency** 85 %  
**Peak intensity** 7 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**  
 C13333\_MIRELLA-CL



Light distribution files



**LED** MHB-A/B  
**FWHM / FWTM** 14.0° / 28.0°  
**Efficiency** 90 %  
**Peak intensity** 9.4 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**

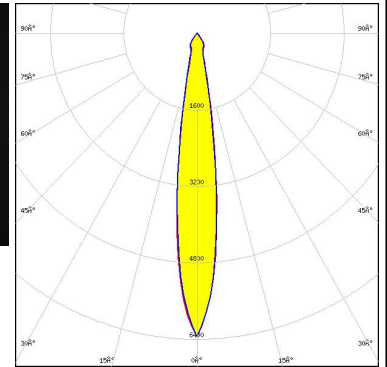


Light distribution files

#### OPTICAL RESULTS (MEASURED):



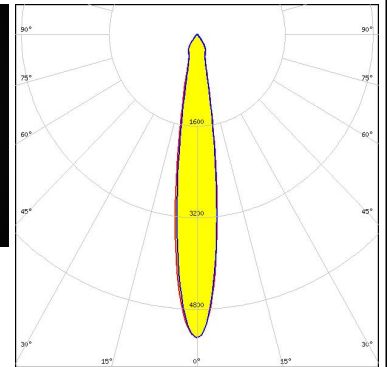
LED MHB-A/B  
 FWHM / FWTM 17.0° / 38.0°  
 Efficiency 85 %  
 Peak intensity 5.4 cd/m  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C12479\_MIRELLA-DL



Light distribution files



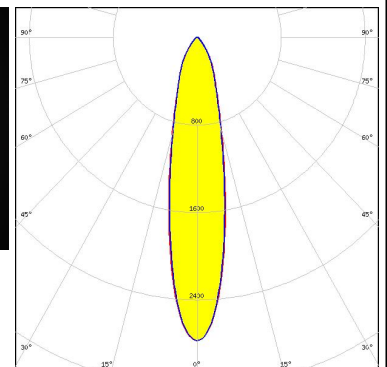
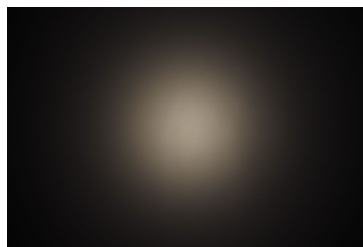
LED XHP50  
 FWHM / FWTM 16.0° / 35.0°  
 Efficiency 89 %  
 Peak intensity 5.3 cd/m  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C12479\_MIRELLA-DL



Light distribution files



LED XHP50  
 FWHM / FWTM 22.0° / 60.0°  
 Efficiency 86 %  
 Peak intensity 2.8 cd/m  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C13723\_MIRELLA-RZL



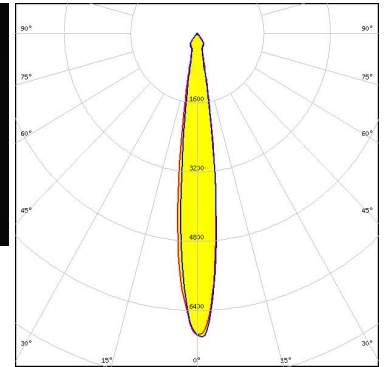
Light distribution files



#### OPTICAL RESULTS (MEASURED):



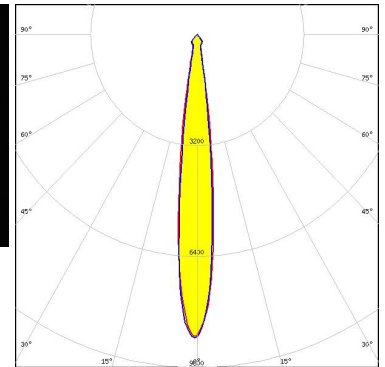
LED XHP50  
 FWHM / FWTM 14.0° / 27.0°  
 Efficiency 88 %  
 Peak intensity 7 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C13333\_MIRELLA-CL



Light distribution files



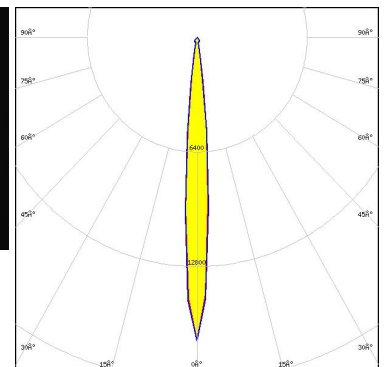
LED XHP50  
 FWHM / FWTM 13.0° / 24.0°  
 Efficiency 93 %  
 Peak intensity 8.8 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



LED XM-L  
 FWHM / FWTM 8.7° / 18.0°  
 Efficiency 90 %  
 Peak intensity 19.3 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files

#### OPTICAL RESULTS (MEASURED):



LED XM-L  
FWHM / FWTM 12.0° / 24.0°  
Efficiency 85 %  
Peak intensity 11.4 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:  
C13333\_MIRELLA-CL



Light distribution files



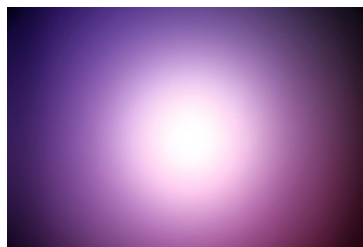
LED XM-L  
FWHM / FWTM 12.0° / 26.0°  
Efficiency 86 %  
Peak intensity 8.7 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:  
C12479\_MIRELLA-DL



Light distribution files



LED XM-L RGBW (XMLCTW)  
FWHM / FWTM 21.0° / 58.0°  
Efficiency 84 %  
Peak intensity 3.4 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:  
C13723\_MIRELLA-RZL



Light distribution files

#### OPTICAL RESULTS (MEASURED):



LED XM-L2  
FWHM / FWTM 8.6° / 18.0°  
Efficiency 91 %  
Peak intensity 18.9 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



[Light distribution files](#)



LED XM-L2  
FWHM / FWTM 12.0° / 26.0°  
Efficiency 86 %  
Peak intensity 8.2 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:  
C12479\_MIRELLA-DL



[Light distribution files](#)



LED XP-G  
FWHM / FWTM 8.1° / 16.0°  
Efficiency 91 %  
Peak intensity 25 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



[Light distribution files](#)

#### OPTICAL RESULTS (MEASURED):



LED XP-G  
FWHM / FWTM 11.0° / 22.0°  
Efficiency 86 %  
Peak intensity 14.1 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:  
C13333\_MIRELLA-CL



Light distribution files



LED XP-G  
FWHM / FWTM 11.0° / 24.0°  
Efficiency 86 %  
Peak intensity 10.4 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:  
C12479\_MIRELLA-DL



Light distribution files



LED XP-G2  
FWHM / FWTM 7.9° / 16.0°  
Efficiency 91 %  
Peak intensity 25.1 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files

#### OPTICAL RESULTS (MEASURED):



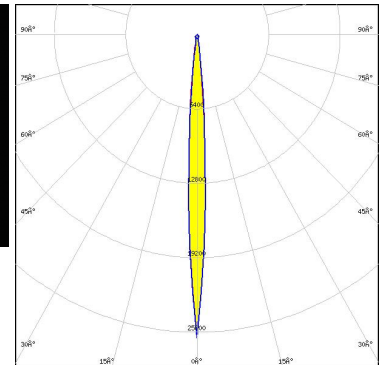
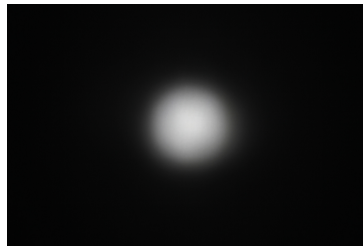
LED XP-G2  
FWHM / FWTM 11.0° / 24.0°  
Efficiency 87 %  
Peak intensity 10.4 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:  
C12479\_MIRELLA-DL



Light distribution files



LED XP-L HI  
FWHM / FWTM 7.7° / 16.0°  
Efficiency 90 %  
Peak intensity 24.9 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



LED XT-E  
FWHM / FWTM 10.0° / 22.0°  
Efficiency 84 %  
Peak intensity 14.1 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:  
C13333\_MIRELLA-CL

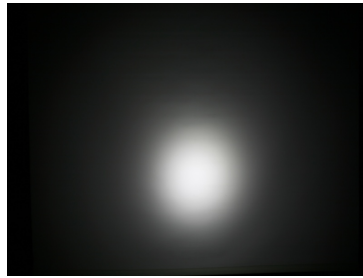


Light distribution files

#### OPTICAL RESULTS (MEASURED):



LED XT-E  
 FWHM / FWTM 11.0° / 24.0°  
 Efficiency 85 %  
 Peak intensity 9.9 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C12479\_MIRELLA-DL



Light distribution files



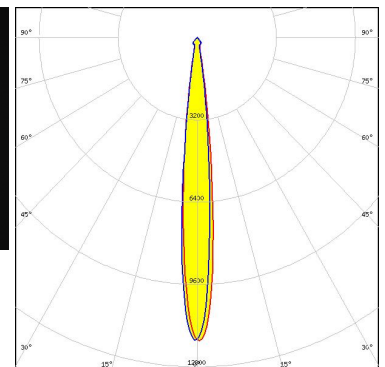
LED XT-E  
 FWHM / FWTM 7.6° / 16.0°  
 Efficiency 89 %  
 Peak intensity 24 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



LED LUXEON 5050 Round LES  
 FWHM / FWTM 11.0° / 21.0°  
 Efficiency 93 %  
 Peak intensity 11.9 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files

#### OPTICAL RESULTS (MEASURED):



LED LUXEON A  
FWHM / FWTM 12.0° / 28.0°  
Efficiency 85 %  
Peak intensity 8.9 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:  
C12479\_MIRELLA-DL



Light distribution files



LED LUXEON A  
FWHM / FWTM 10.0° / 22.0°  
Efficiency 85 %  
Peak intensity 14.5 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:  
C13333\_MIRELLA-CL



Light distribution files



LED LUXEON A  
FWHM / FWTM 8.9° / 18.0°  
Efficiency 89 %  
Peak intensity 20.5 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



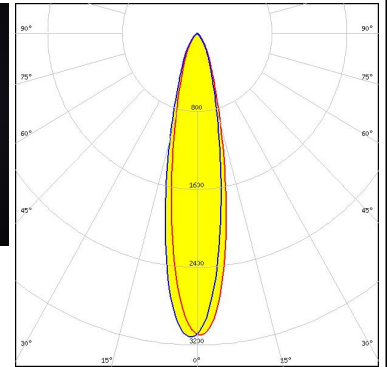
Light distribution files



#### OPTICAL RESULTS (MEASURED):



LED LUXEON C  
FWHM / FWTM 22.0° / 51.0°  
Efficiency 81 %  
Peak intensity 3.1 cd/lm  
LEDs/each optic 4  
Light colour/type RGBW  
Required components:  
C13723\_MIRELLA-RZL



Light distribution files



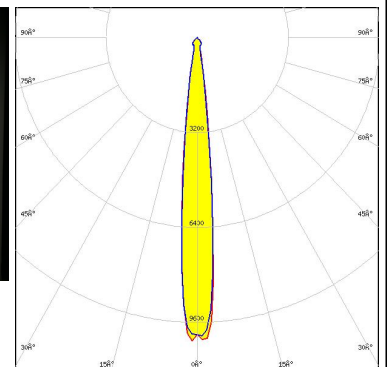
LED LUXEON M/MX  
FWHM / FWTM 15.0° / 30.0°  
Efficiency 85 %  
Peak intensity 7.2 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:  
C13333\_MIRELLA-CL



Light distribution files



LED LUXEON M/MX  
FWHM / FWTM 12.0° / 26.0°  
Efficiency 91 %  
Peak intensity 10.3 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files

#### OPTICAL RESULTS (MEASURED):



LED LUXEON M/MX  
FWHM / FWTM 15.0° / 34.0°  
Efficiency 86 %  
Peak intensity 5.9 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:  
C12479\_MIRELLA-DL



Light distribution files



LED LUXEON MZ  
FWHM / FWTM 8.7° / 18.0°  
Efficiency 90 %  
Peak intensity 19.3 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



LED LUXEON MZ  
FWHM / FWTM 11.0° / 26.0°  
Efficiency 85 %  
Peak intensity 9.3 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:  
C12479\_MIRELLA-DL

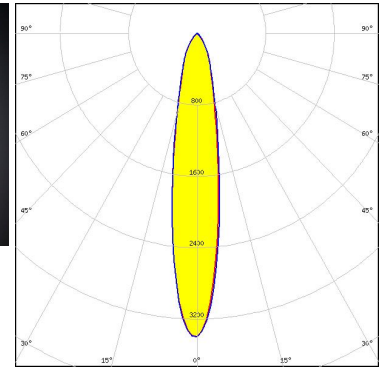
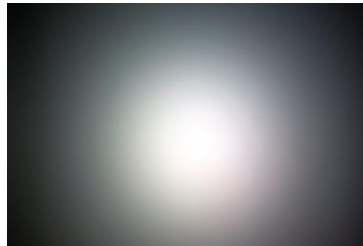


Light distribution files

#### OPTICAL RESULTS (MEASURED):



LED LUXEON Z  
FWHM / FWTM 18.0° / 51.0°  
Efficiency 82 %  
Peak intensity 3.4 cd/lm  
LEDs/each optic 4  
Light colour/type RGBW  
Required components:  
C13723\_MIRELLA-RZL



Light distribution files



LED NS9x383  
FWHM / FWTM 9.2° / 15.0°  
Efficiency 89 %  
Peak intensity 17.7 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



LED NS9x383  
FWHM / FWTM 12.0° / 28.0°  
Efficiency 85 %  
Peak intensity 8.4 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:  
C12479\_MIRELLA-DL

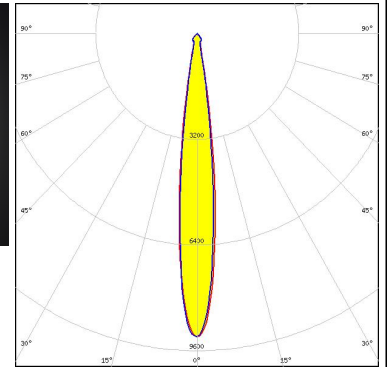
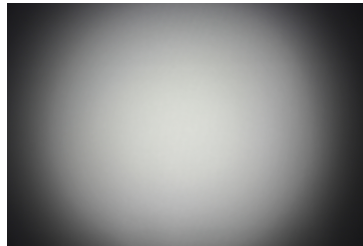


Light distribution files

#### OPTICAL RESULTS (MEASURED):



LED NV4x144A  
FWHM / FWTM 13.0° / 24.0°  
Efficiency 92 %  
Peak intensity 9.2 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



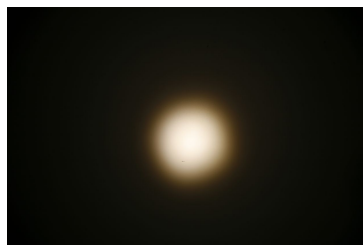
LED Duris S8  
FWHM / FWTM 11.0° / 22.0°  
Efficiency 86 %  
Peak intensity 11.6 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:  
C13333\_MIRELLA-CL



Light distribution files



LED Duris S8  
FWHM / FWTM 9.7° / 20.0°  
Efficiency 91 %  
Peak intensity 16 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files

#### OPTICAL RESULTS (MEASURED):

**OSRAM**  
Opto Semiconductors

LED Duris S8  
FWHM / FWTM 12.0° / 28.0°  
Efficiency 86 %  
Peak intensity 8.3 cd/lm  
LEDs/each optic 1  
Light colour/type White

Required components:

C12479\_MIRELLA-DL



Light distribution files

**OSRAM**  
Opto Semiconductors

LED OSLO Square EC  
FWHM / FWTM 9.4° / 20.0°  
Efficiency 85 %  
Peak intensity 15.4 cd/lm  
LEDs/each optic 1  
Light colour/type White

Required components:

C13333\_MIRELLA-CL



Light distribution files

**OSRAM**  
Opto Semiconductors

LED OSLO Square EC  
FWHM / FWTM 11.0° / 26.0°  
Efficiency 85 %  
Peak intensity 9.7 cd/lm  
LEDs/each optic 1  
Light colour/type White

Required components:

C12479\_MIRELLA-DL

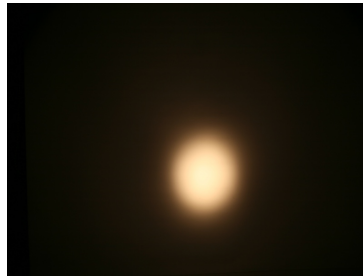


Light distribution files

#### OPTICAL RESULTS (MEASURED):

**OSRAM**  
Opto Semiconductors

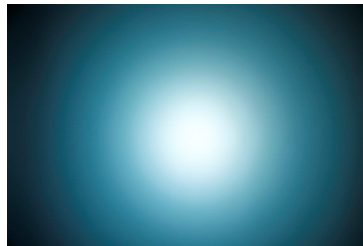
LED OSLON Square EC  
FWHM / FWTM 8.0° / 16.0°  
Efficiency 90 %  
Peak intensity 23.6 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files

**OSRAM**  
Opto Semiconductors

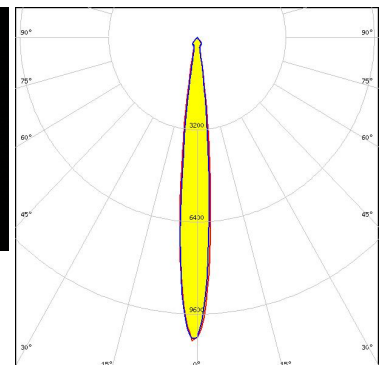
LED Ostar-SMT RGB  
FWHM / FWTM 19.0° / 56.0°  
Efficiency 85 %  
Peak intensity 3.7 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:  
C13723\_MIRELLA-RZL



Light distribution files


**SAMSUNG**

LED LH508A  
FWHM / FWTM 12.0° / 22.0°  
Efficiency 90 %  
Peak intensity 10.5 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

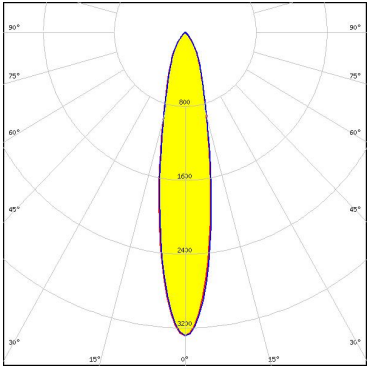



Light distribution files


#### OPTICAL RESULTS (MEASURED):

  
SEOUL SEMICONDUCTOR


LED F50360 (RGB)  
FWHM / FWTM 21.0° / 55.0°  
Efficiency 84 %  
Peak intensity 3.3 cd/m  
LEDs/each optic 1  
Light colour/type White  
Required components:  
C13723\_MIRELLA-RZL



Light distribution files

  
SEOUL SEMICONDUCTOR

LED F50360 (RGB)  
FWHM / FWTM 19.0° / 56.0°  
Efficiency 86 %  
Peak intensity 3.8 cd/m  
LEDs/each optic 1  
Light colour/type White  
Required components:  
C13723\_MIRELLA-RZL



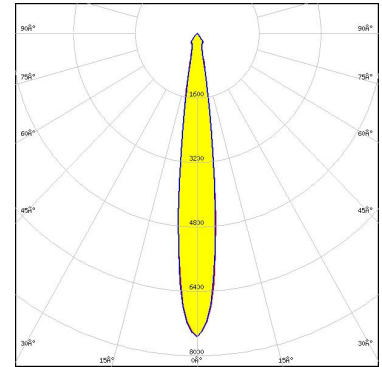
Light distribution files



#### OPTICAL RESULTS (SIMULATED):



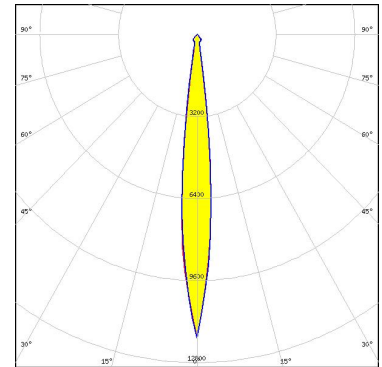
LED J Series 7070B K Class  
 FWHM / FWTM 14.0° / 28.0°  
 Efficiency 91 %  
 Peak intensity 7.5 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



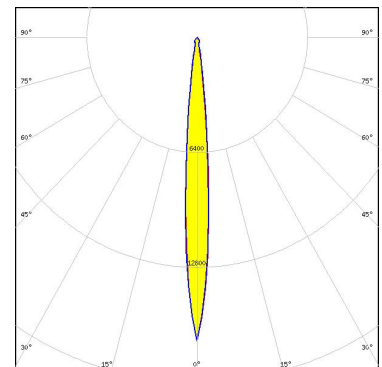
LED XHP35 HD  
 FWHM / FWTM 11.0° / 20.0°  
 Efficiency 92 %  
 Peak intensity 11.8 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files




LED LUXEON 5258  
 FWHM / FWTM 9.0° / 19.0°  
 Efficiency 91 %  
 Peak intensity 17 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

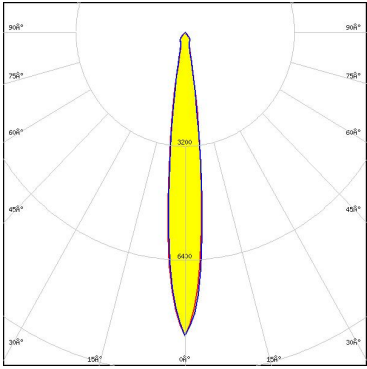


Light distribution files


#### OPTICAL RESULTS (SIMULATED):



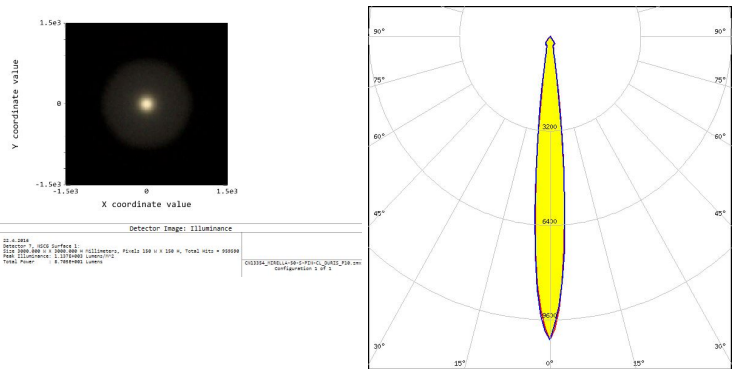
LED: LUXEON 7070  
 FWHM / FWTM: 13.0° / 26.0°  
 Efficiency: 91 %  
 Peak intensity: 8.5 cd/m  
 LEDs/each optic: 1  
 Light colour/type: White  
 Required components:




Light distribution files



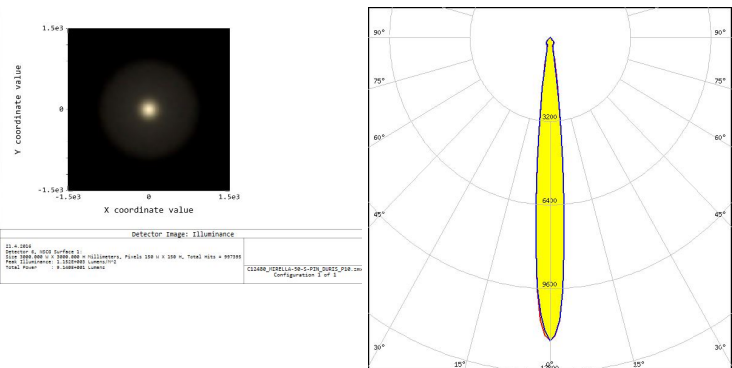
LED: OSCONIQ P 7070  
 FWHM / FWTM: 11.0° / 22.0°  
 Efficiency: 87 %  
 Peak intensity: 10.4 cd/m  
 LEDs/each optic: 1  
 Light colour/type: White  
 Required components:  
 C13333\_MIRELLA-CL



Light distribution files




LED: OSCONIQ P 7070  
 FWHM / FWTM: 10.0° / 21.0°  
 Efficiency: 92 %  
 Peak intensity: 11.6 cd/m  
 LEDs/each optic: 1  
 Light colour/type: White  
 Required components:

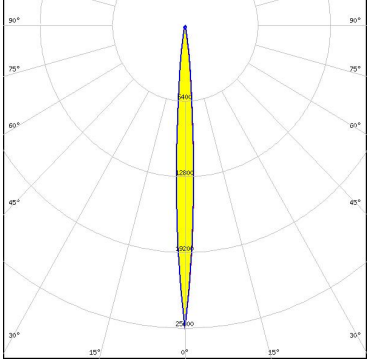


Light distribution files

#### OPTICAL RESULTS (SIMULATED):

 SEUL SEMICONDUCTOR	
LED	Z8Y22P
FWHM / FWTM	6.9° / 16.0°
Efficiency	91 %
Peak intensity	25.7 cd/m
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:

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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#### LEDiL Oy

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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

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