

MIRELLA-50-W-PIN

~40° wide beam

SPECIFICATION:

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

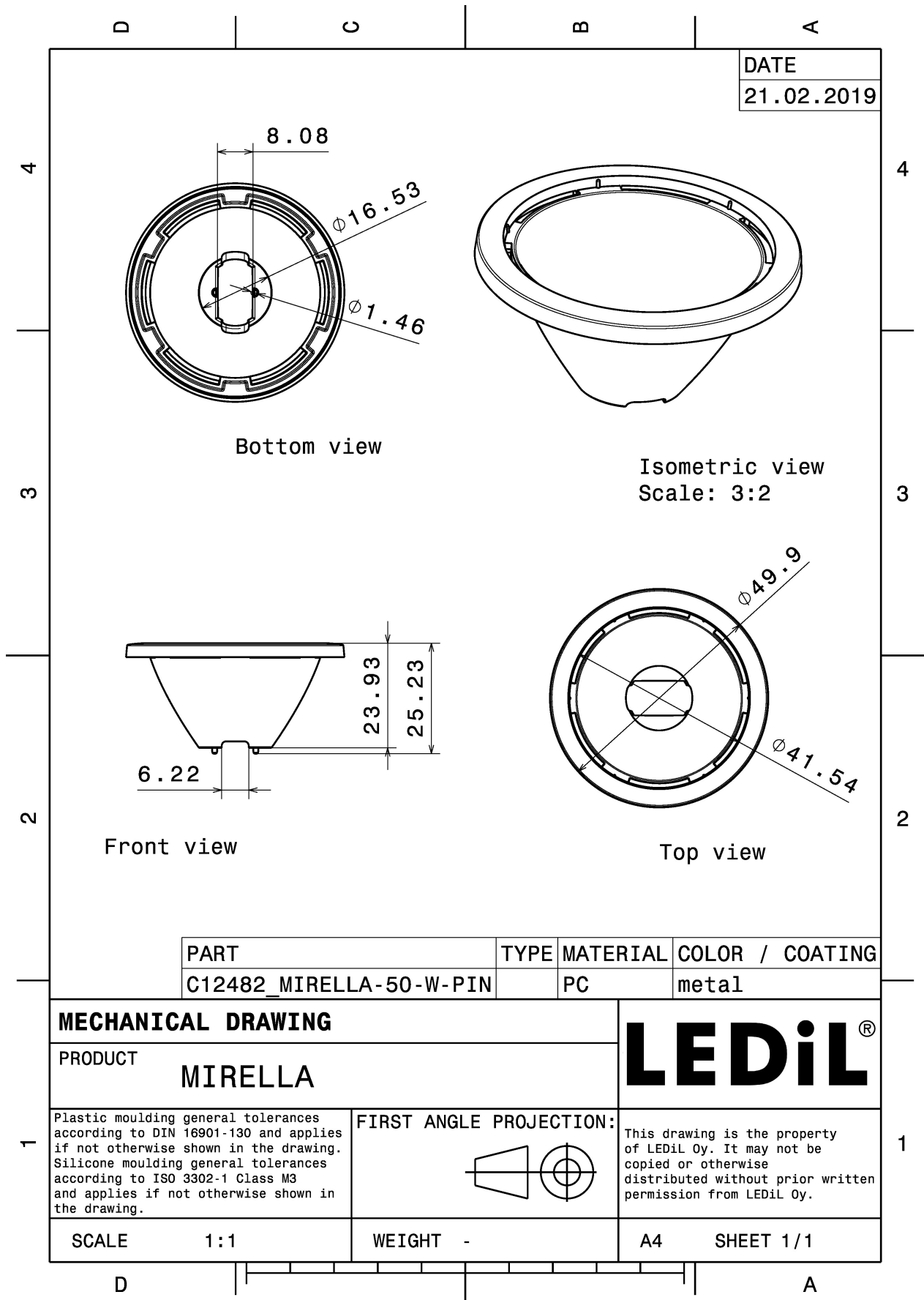
MATERIALS:

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

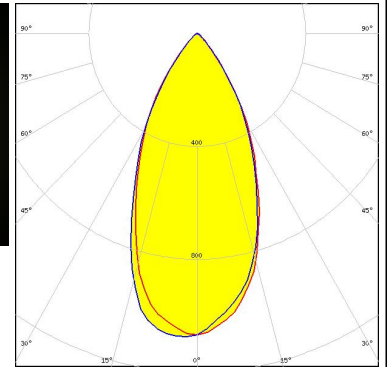


See also our general installation guide: www.ledil.com/installation_guide

OPTICAL RESULTS (MEASURED):



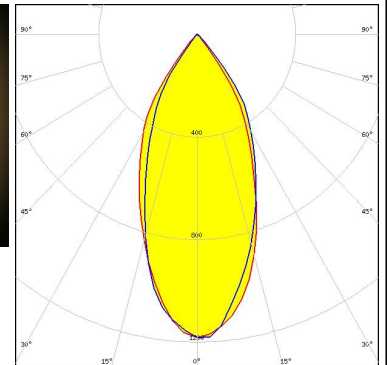
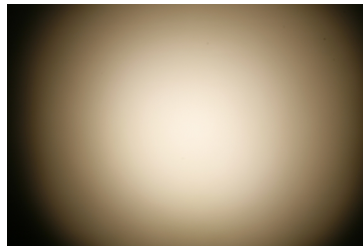
LED SM4
FWHM / FWTM 49.0° / 82.0°
Efficiency 77 %
Peak intensity 1.1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
 C12479_MIRELLA-DL



Light distribution files



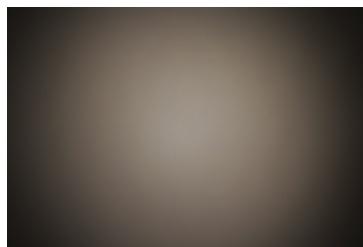
LED SM4
FWHM / FWTM 44.0° / 78.0°
Efficiency 78 %
Peak intensity 1.2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
 C13333_MIRELLA-CL



Light distribution files



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

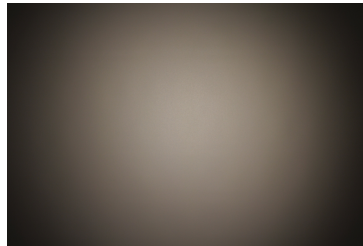


Light distribution files

OPTICAL RESULTS (MEASURED):



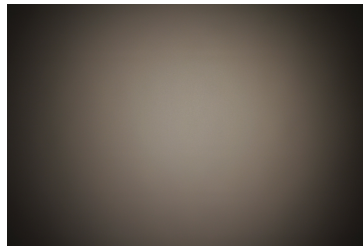
LED MHB-A/B
FWHM / FWTM 45.0° / 88.0°
Efficiency 87 %
Peak intensity 1.4 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



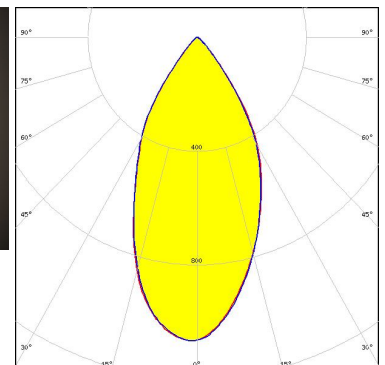
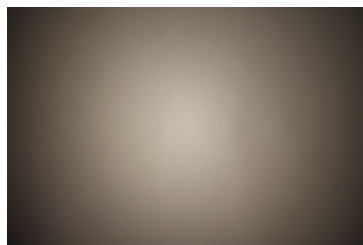
LED MHB-A/B
FWHM / FWTM 51.0° / 84.0°
Efficiency 82 %
Peak intensity 1.2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
C12479_MIRELLA-DL



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

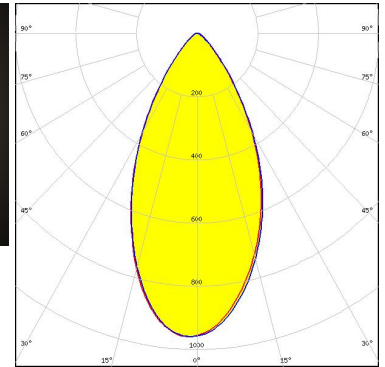
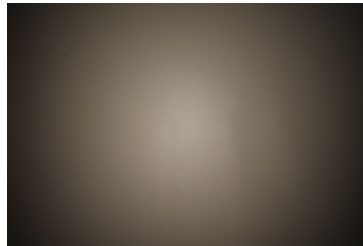


Light distribution files

OPTICAL RESULTS (MEASURED):



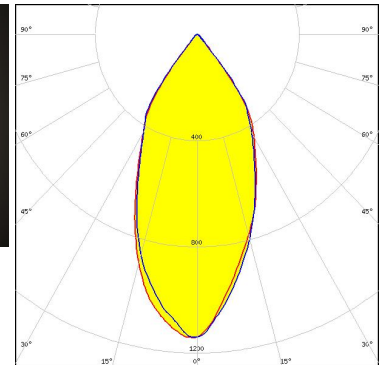
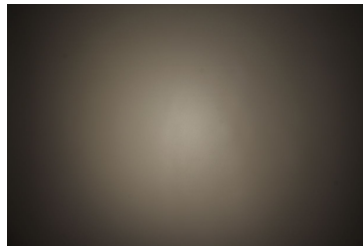
LED XHP50
FWHM / FWTM 51.0° / 88.0°
Efficiency 81 %
Peak intensity 1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
C13723_MIRELLA-RZL



Light distribution files



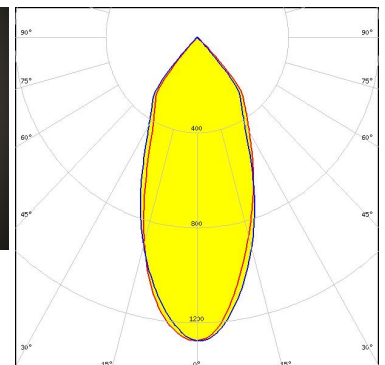
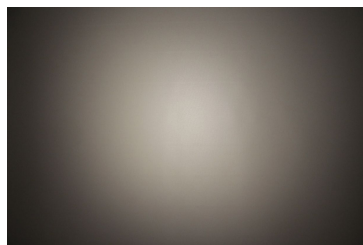
LED XHP50
FWHM / FWTM 48.0° / 80.0°
Efficiency 83 %
Peak intensity 1.1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
C13333_MIRELLA-CL



Light distribution files



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

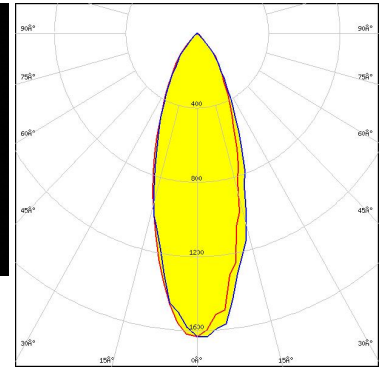


Light distribution files

OPTICAL RESULTS (MEASURED):



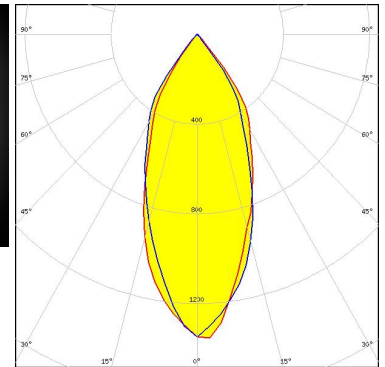
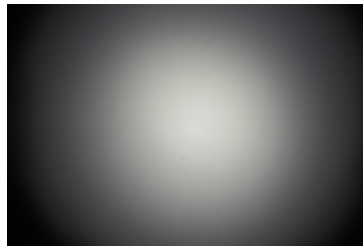
LED XM-L
 FWHM / FWTM 32.0° / 80.0°
 Efficiency 88 %
 Peak intensity 1.6 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



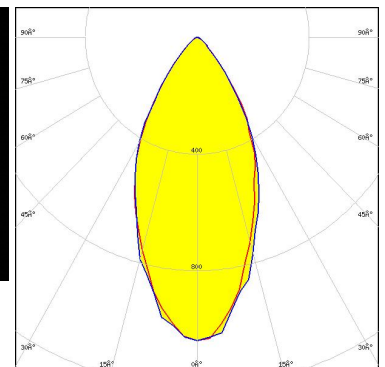
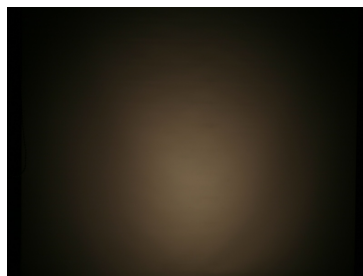
LED XM-L
 FWHM / FWTM 45.0° / 79.0°
 Efficiency 86 %
 Peak intensity 1.4 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C13333_MIRELLA-CL



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

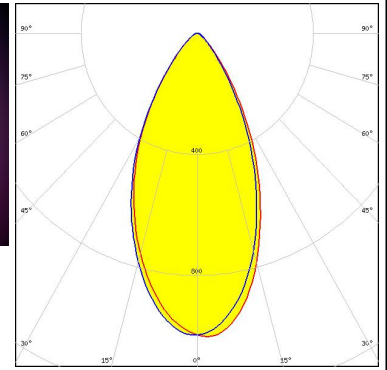
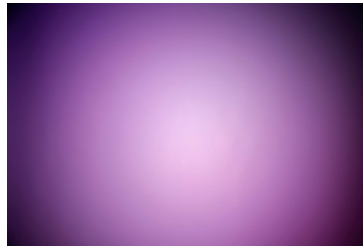


Light distribution files

OPTICAL RESULTS (MEASURED):



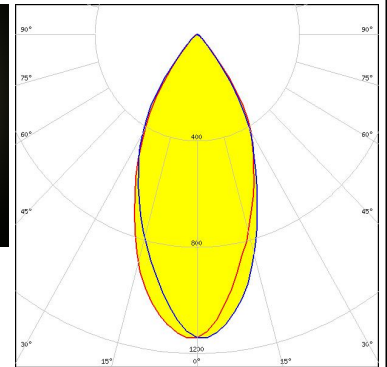
LED XM-L RGBW (XMLCTW)
 FWHM / FWTM 50.0° / 87.0°
 Efficiency 81 %
 Peak intensity 1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C13723_MIRELLA-RZL



Light distribution files



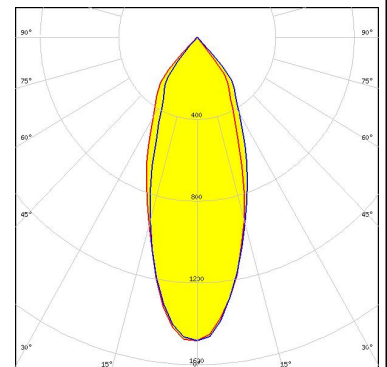
LED XM-L2
 FWHM / FWTM 49.0° / 83.0°
 Efficiency 81 %
 Peak intensity 1.1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C12479_MIRELLA-DL



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:

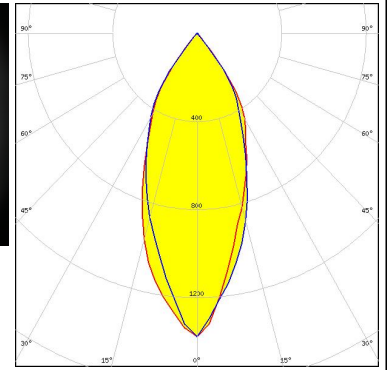


Light distribution files

OPTICAL RESULTS (MEASURED):



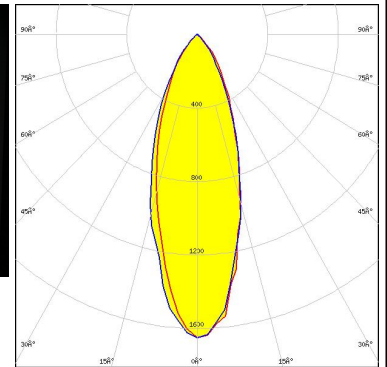
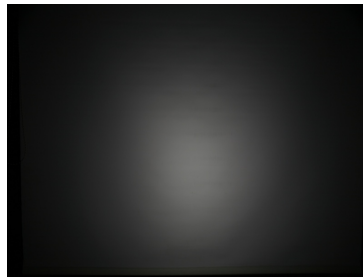
LED XP-G
 FWHM / FWTM 41.0° / 79.0°
 Efficiency 81 %
 Peak intensity 1.4 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C13333_MIRELLA-CL



Light distribution files



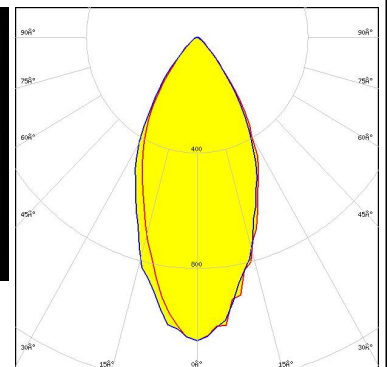
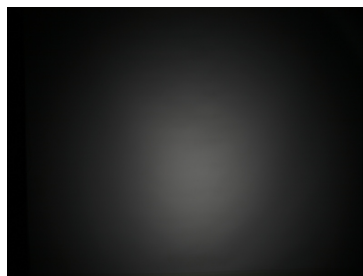
LED XP-G
 FWHM / FWTM 34.0° / 78.0°
 Efficiency 86 %
 Peak intensity 1.7 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



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

OPTICAL RESULTS (MEASURED):



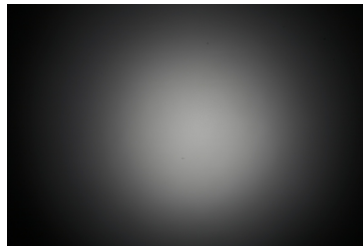
LED XP-G2
FWHM / FWTM 36.0° / 84.0°
Efficiency 88 %
Peak intensity 1.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



[Light distribution files](#)



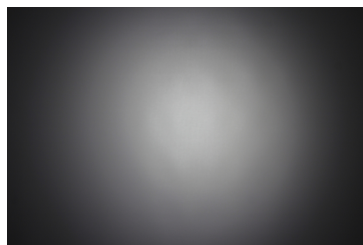
LED XP-G2
FWHM / FWTM 45.0° / 81.0°
Efficiency 83 %
Peak intensity 1.3 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
C12479_MIRELLA-DL



[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:

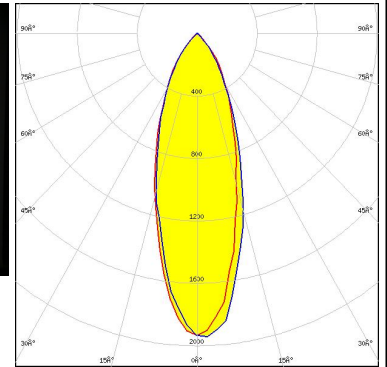


[Light distribution files](#)

OPTICAL RESULTS (MEASURED):



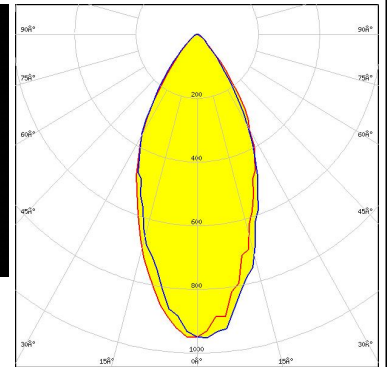
LED XT-E
 FWHM / FWTM 31.0° / 80.0°
 Efficiency 84 %
 Peak intensity 1.2 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



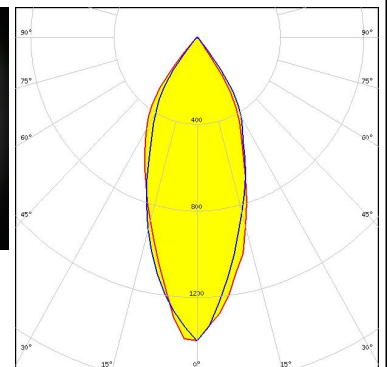
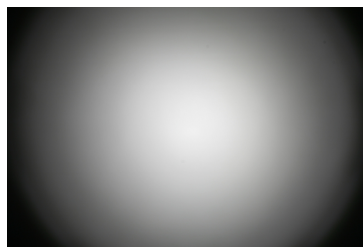
LED XT-E
 FWHM / FWTM 46.0° / 86.0°
 Efficiency 77 %
 Peak intensity 1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C12479_MIRELLA-DL



Light distribution files



LED XT-E
 FWHM / FWTM 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

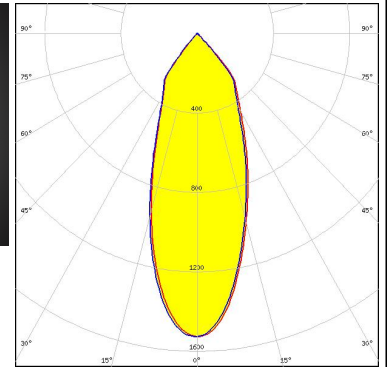
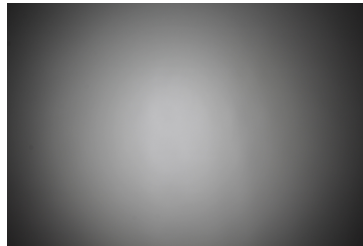


Light distribution files

OPTICAL RESULTS (MEASURED):



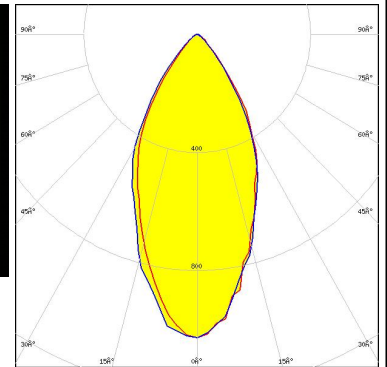
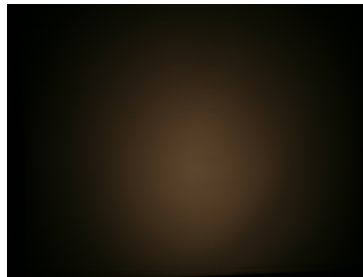
LED LUXEON 5050 Round LES
 FWHM / FWTM 38.0° / 83.0°
 Efficiency 89 %
 Peak intensity 1.5 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



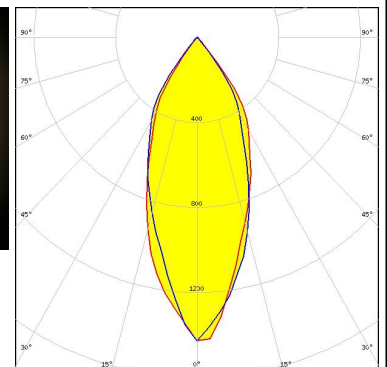
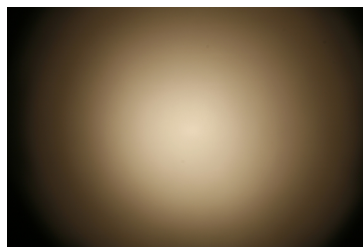
LED LUXEON A
 FWHM / FWTM 48.0° / 86.0°
 Efficiency 80 %
 Peak intensity 1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C12479_MIRELLA-DL



Light distribution files



LED LUXEON A
 FWHM / FWTM 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

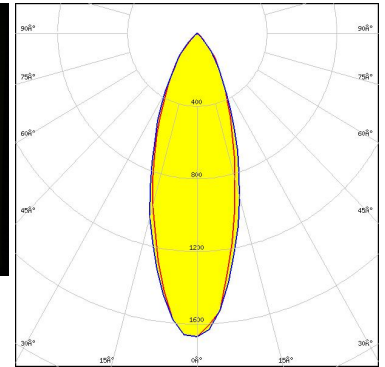


Light distribution files

OPTICAL RESULTS (MEASURED):



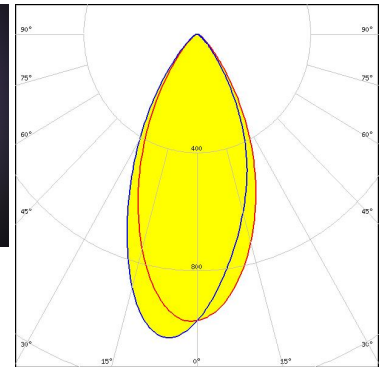
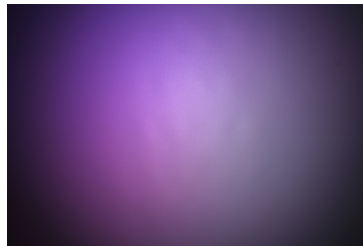
LED LUXEON A
FWHM / FWTM 30.0° / 76.0°
Efficiency 86 %
Peak intensity 1.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



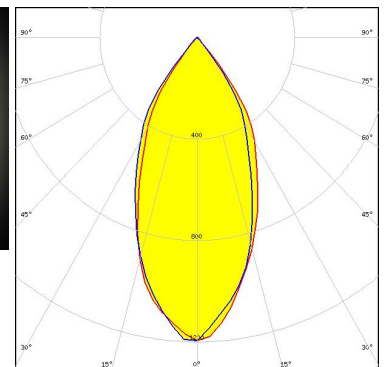
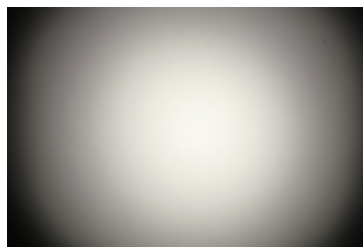
LED LUXEON C
FWHM / FWTM 47.0° / 85.0°
Efficiency 77 %
Peak intensity 1 cd/lm
LEDs/each optic 4
Light colour/type RGBW
Required components:
 C13723_MIRELLA-RZL



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

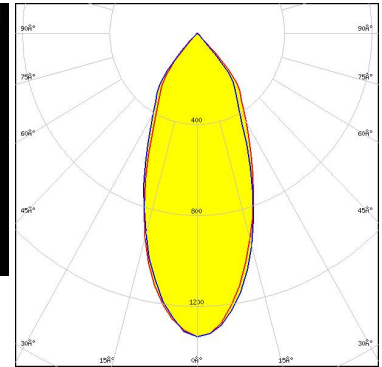


Light distribution files

OPTICAL RESULTS (MEASURED):



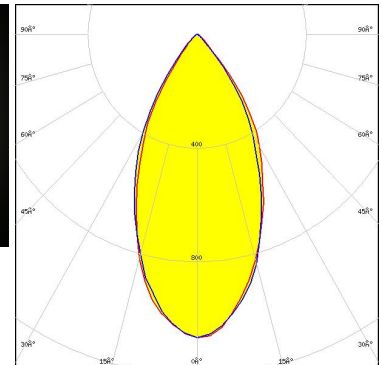
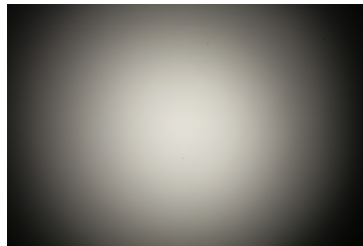
LED LUXEON M/MX
 FWHM / FWTM 39.0° / 84.0°
 Efficiency 87 %
 Peak intensity 1.4 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



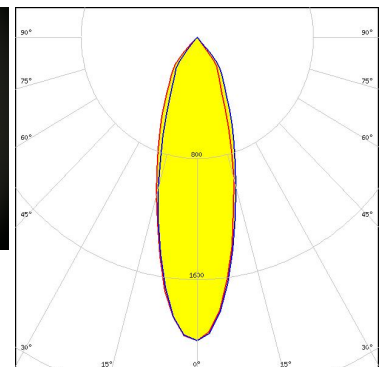
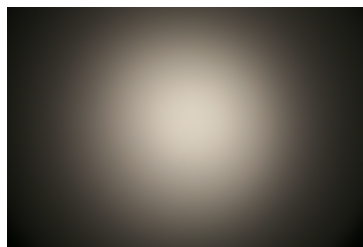
LED LUXEON M/MX
 FWHM / FWTM 54.0° / 90.0°
 Efficiency 80 %
 Peak intensity 1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C12479_MIRELLA-DL



Light distribution files



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

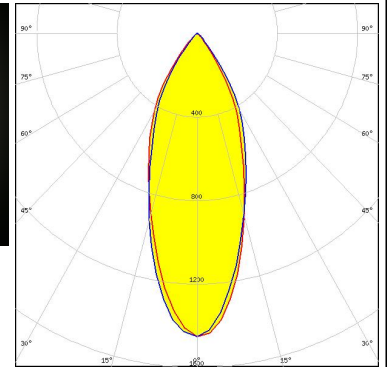


Light distribution files

OPTICAL RESULTS (MEASURED):



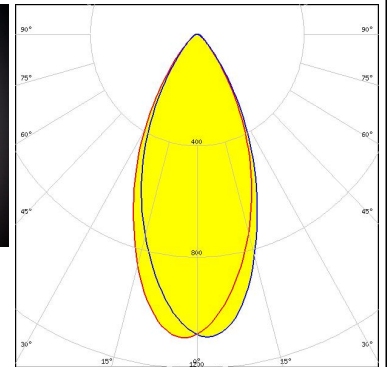
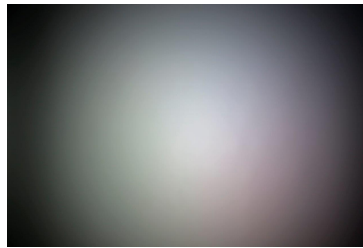
LED LUXEON MZ
FWHM / FWTM 40.0° / 77.0°
Efficiency 82 %
Peak intensity 1.5 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
 C12479_MIRELLA-DL



Light distribution files



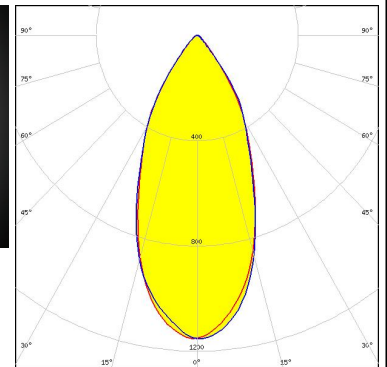
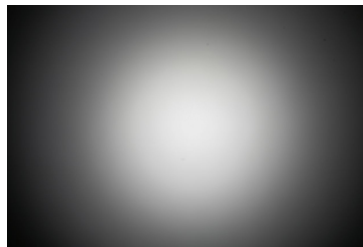
LED LUXEON Z
FWHM / FWTM 46.0° / 84.0°
Efficiency 80 %
Peak intensity 1.1 cd/lm
LEDs/each optic 4
Light colour/type RGBW
Required components:
 C13723_MIRELLA-RZL



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

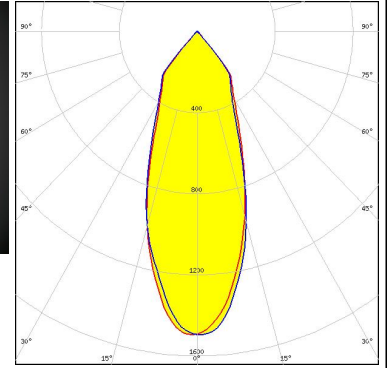


Light distribution files

OPTICAL RESULTS (MEASURED):



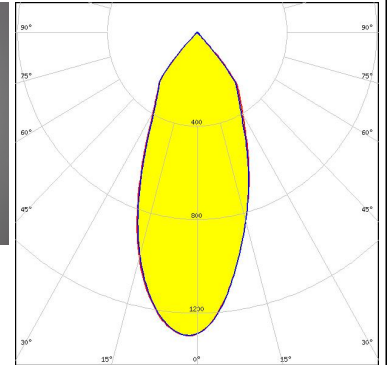
LED NS9x383
 FWHM / FWTM 39.0° / 84.0°
 Efficiency 89 %
 Peak intensity 1.5 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



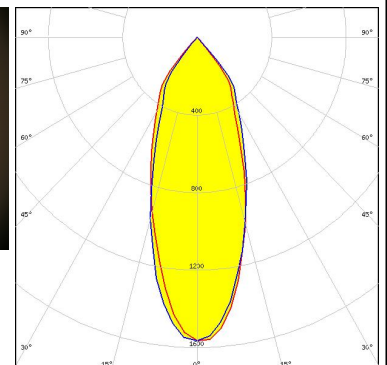
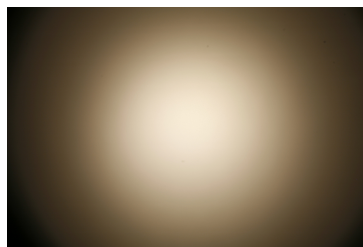
LED NV4x144A
 FWHM / FWTM 43.0° / 85.0°
 Efficiency 87 %
 Peak intensity 1.3 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



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

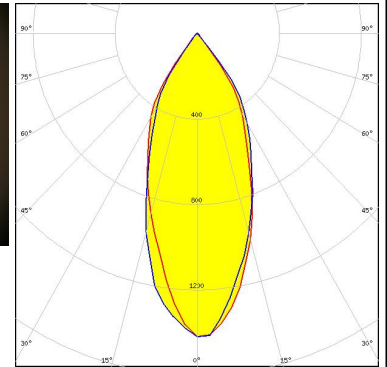
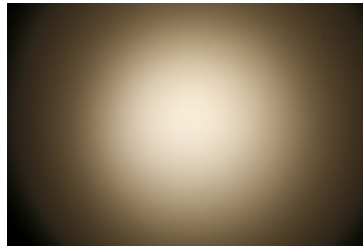


Light distribution files

OPTICAL RESULTS (MEASURED):

OSRAM
Opto Semiconductors

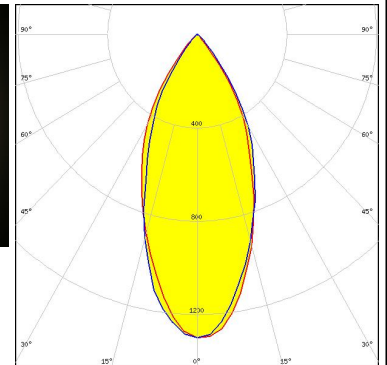
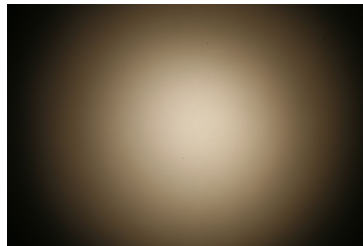
LED Duris S8
 FWHM / FWTM 42.0° / 78.0°
 Efficiency 84 %
 Peak intensity 1.4 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C13333_MIRELLA-CL



Light distribution files

OSRAM
Opto Semiconductors

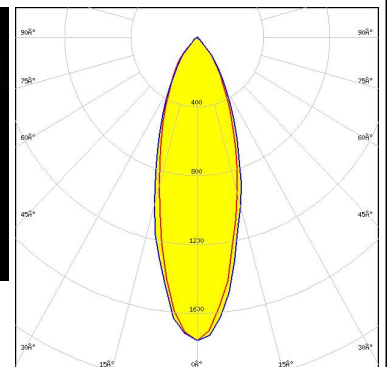
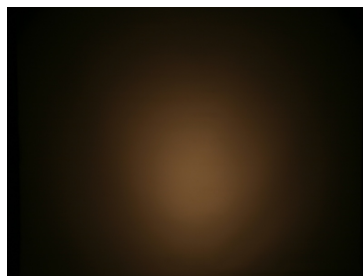
LED Duris S8
 FWHM / FWTM 44.0° / 75.0°
 Efficiency 83 %
 Peak intensity 1.3 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C12479_MIRELLA-DL



Light distribution files

OSRAM
Opto Semiconductors

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

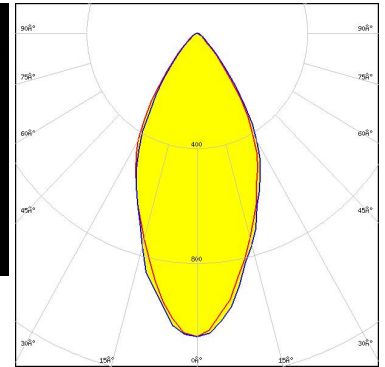


Light distribution files

OPTICAL RESULTS (MEASURED):

OSRAM
Opto Semiconductors

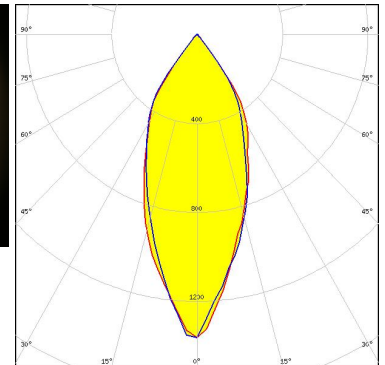
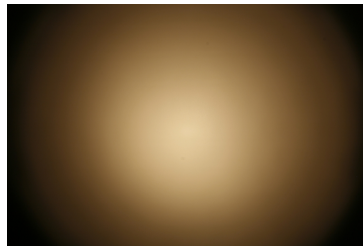
LED OSLON Square EC
 FWHM / FWTM 50.0° / 85.0°
 Efficiency 79 %
 Peak intensity 1.1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C12479_MIRELLA-DL



Light distribution files

OSRAM
Opto Semiconductors

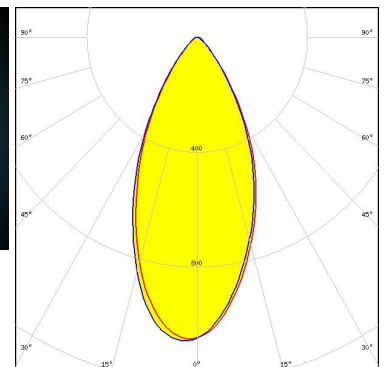
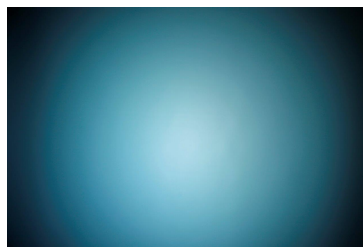
LED OSLON Square EC
 FWHM / FWTM 41.0° / 78.0°
 Efficiency 83 %
 Peak intensity 1.4 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C13333_MIRELLA-CL



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

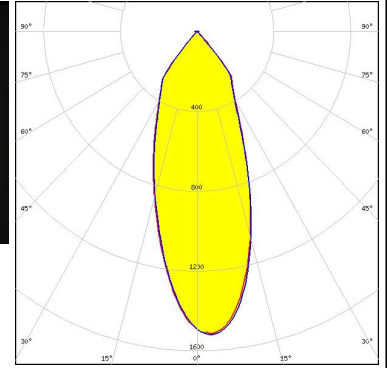


Light distribution files

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



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

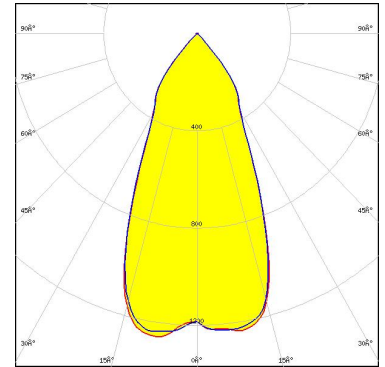


Light distribution files

OPTICAL RESULTS (SIMULATED):



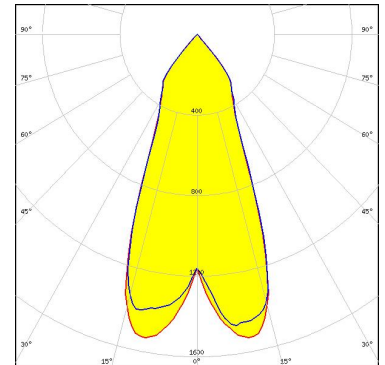
LED J Series 7070B K Class
FWHM / FWTM 48.0° / 84.0°
Efficiency 92 %
Peak intensity 1.3 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



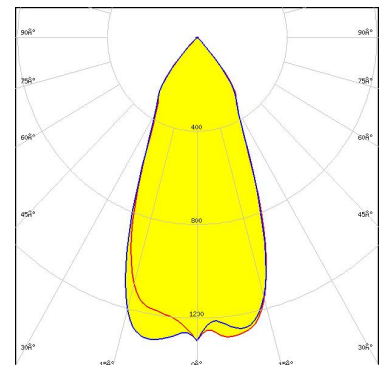
LED LUXEON 5258
FWHM / FWTM 41.0° / 82.0°
Efficiency 91 %
Peak intensity 1.5 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED LUXEON 7070
FWHM / FWTM 46.0° / 83.0°
Efficiency 91 %
Peak intensity 1.3 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

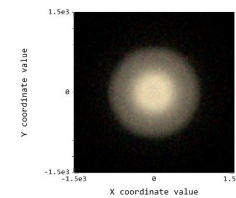


Light distribution files

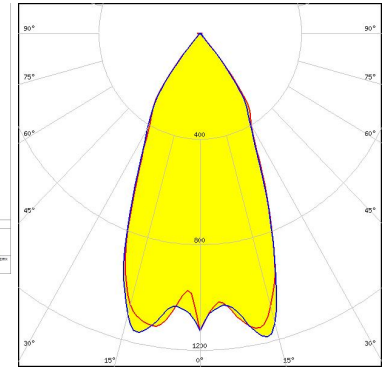
OPTICAL RESULTS (SIMULATED):

OSRAM
Opto Semiconductors

LED 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



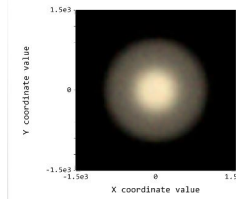
Detector image: Illuminance
 21.4.2018
 OSRAM Opto Semiconductors
 C12482_MIRELLA-50-W-PIN_C13333_MIRELLA-CL
 Configuration 1 of 1



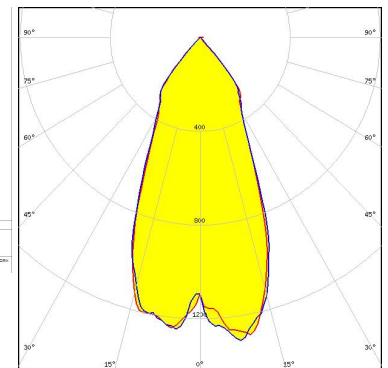
Light distribution files

OSRAM
Opto Semiconductors

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:



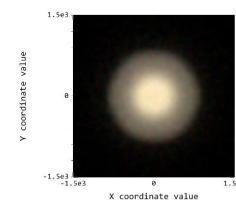
Detector image: Illuminance
 21.4.2018
 OSRAM Opto Semiconductors
 C12482_MIRELLA-50-W-PIN_C13333_MIRELLA-CL
 Configuration 1 of 1



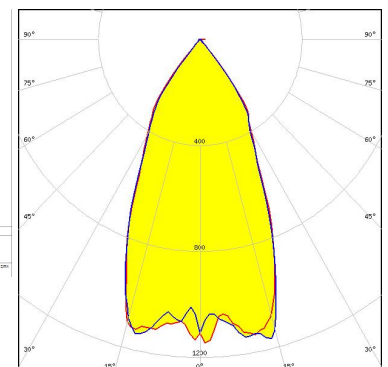
Light distribution files

OSRAM
Opto Semiconductors

LED OSCONIQ P 7070
 FWHM / FWTM 50.0° / 81.0°
 Efficiency 87 %
 Peak intensity 1.2 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C12479_MIRELLA-DL




Detector image: Illuminance
 21.4.2018
 OSRAM Opto Semiconductors
 C12482_MIRELLA-50-W-PIN_C12479_MIRELLA-DL
 Configuration 1 of 1



Light distribution files

OPTICAL RESULTS (SIMULATED):

 SEUL SEMICONDUCTOR	
LED	Z8Y22P
FWHM / FWTM	43.0° / 82.0°
Efficiency	89 %
Peak intensity	1.4 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:

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.

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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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