


MIRELLA-50-M-PIN

~30° medium beam

TECHNICAL SPECIFICATIONS:

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

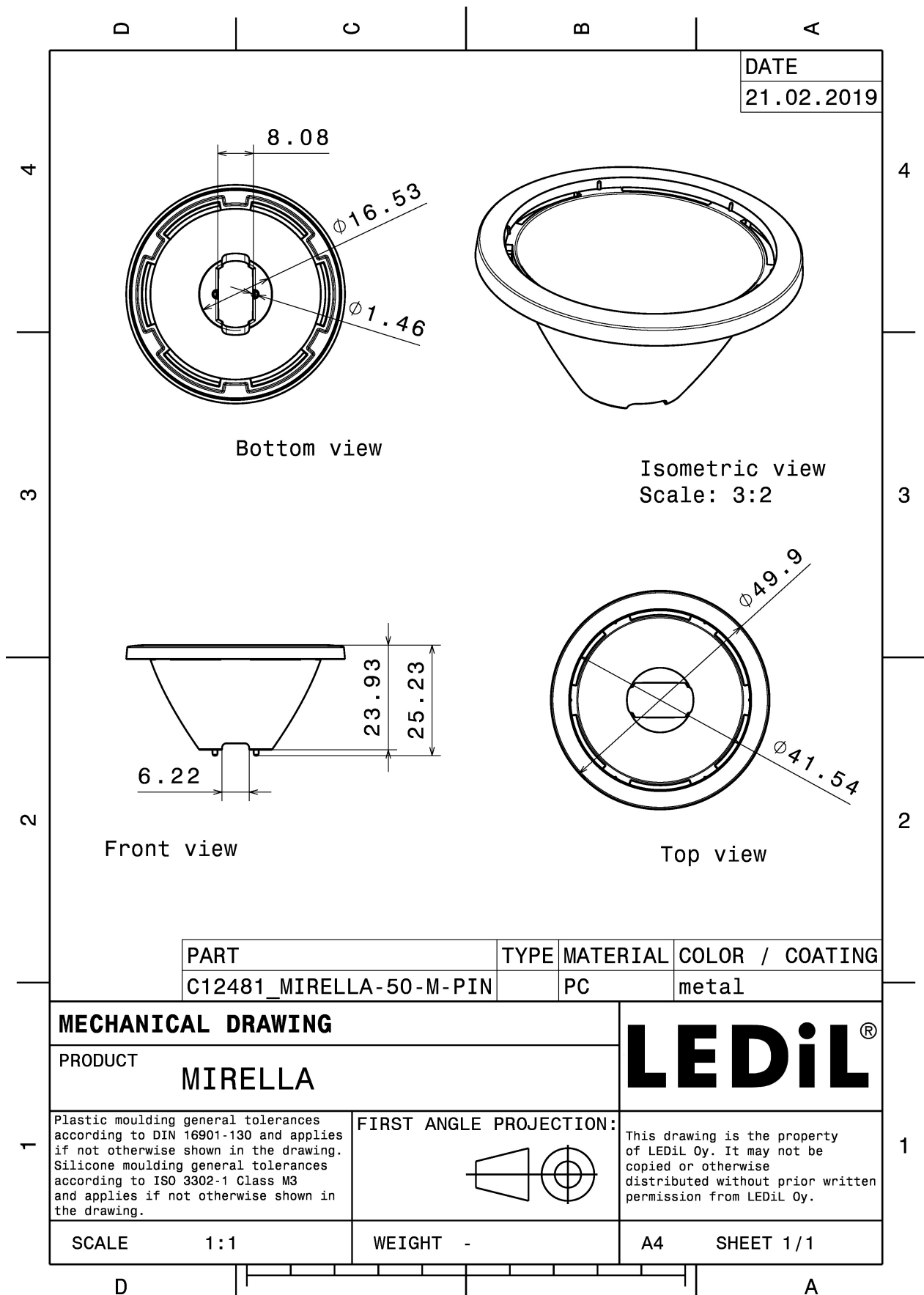
MATERIAL SPECIFICATIONS:

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



ORDERING INFORMATION:

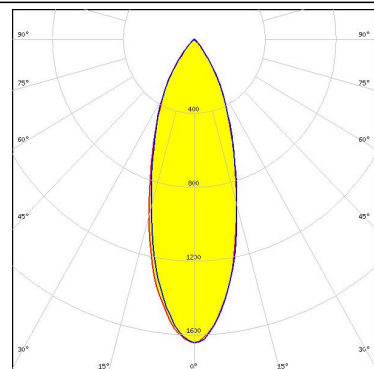
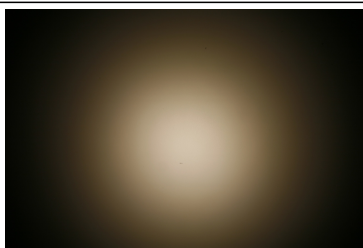
Component	Qty in box	MOQ	MPQ	Box weight (kg)
C12481_MIRELLA-50-M-PIN » Box size: 480 x 280 x 300 mm	336	112	28	3.1



PHOTOMETRIC DATA (MEASURED):

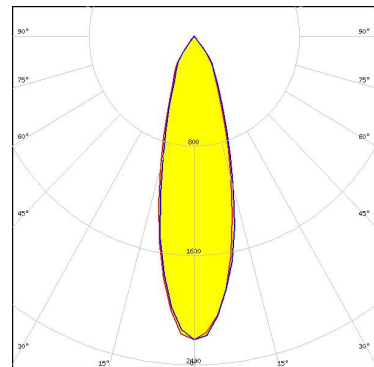
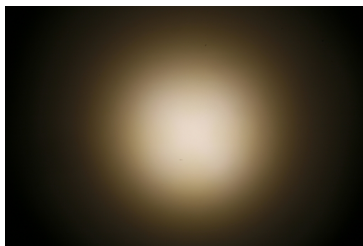
bridgelux

LED SM4
FWHM 35.0°
Efficiency 78 %
Peak intensity 1.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C12479_MIRELLA-DL



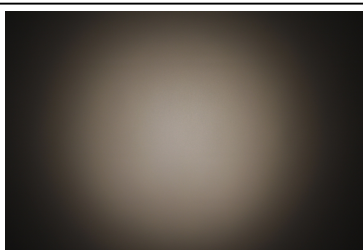
bridgelux

LED SM4
FWHM 29.0°
Efficiency 80 %
Peak intensity 2.2 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13333_MIRELLA-CL



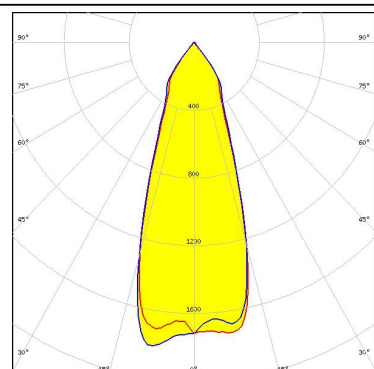
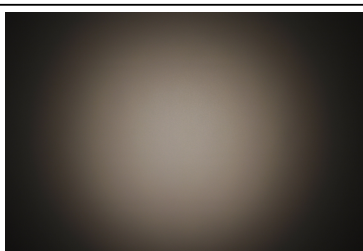
CREE

LED MHB-A/B
FWHM 34.0°
Efficiency 83 %
Peak intensity 2 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13333_MIRELLA-CL



CREE

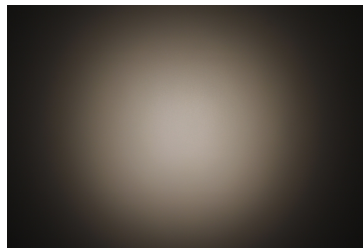
LED MHB-A/B
FWHM 35.0°
Efficiency 83 %
Peak intensity 1.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C12479_MIRELLA-DL



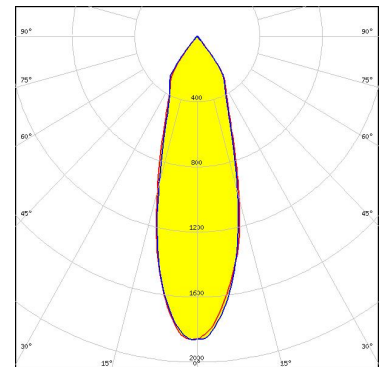
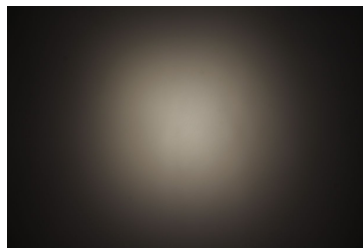
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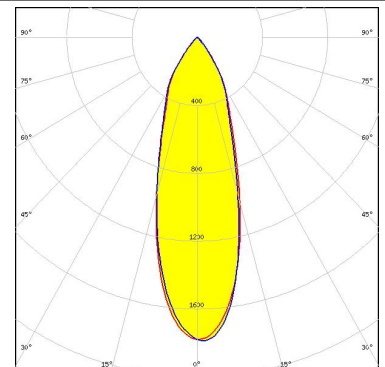
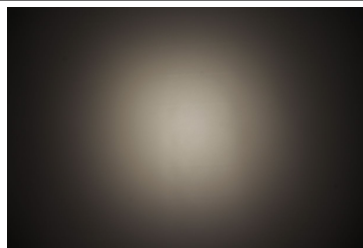
LED MHB-A/B
FWHM 28.0°
Efficiency 88 %
Peak intensity 2.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:



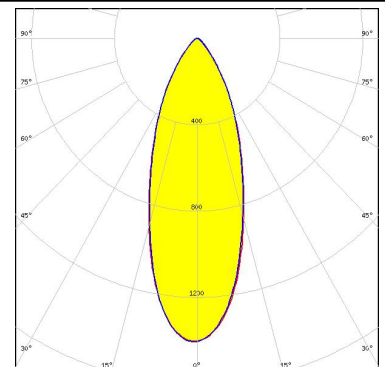
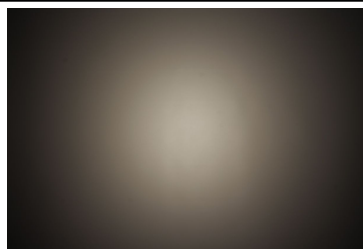
LED XHP50
FWHM 32.0°
Efficiency 85 %
Peak intensity 1.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13333_MIRELLA-CL



LED XHP50
FWHM 32.0°
Efficiency 86 %
Peak intensity 1.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C12479_MIRELLA-DL



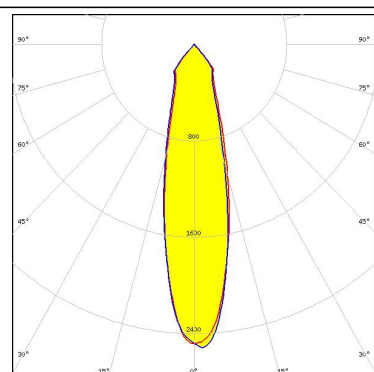
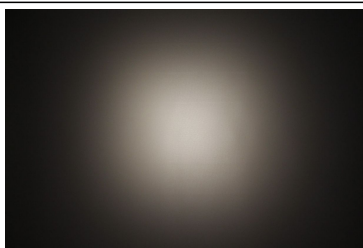
LED XHP50
FWHM 37.0°
Efficiency 83 %
Peak intensity 1.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13723_MIRELLA-RZL



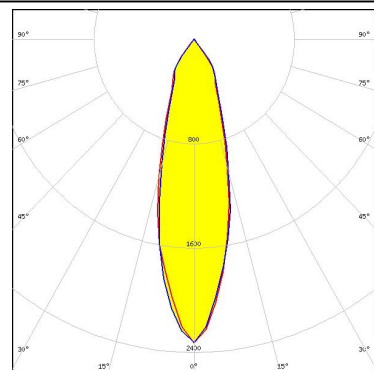
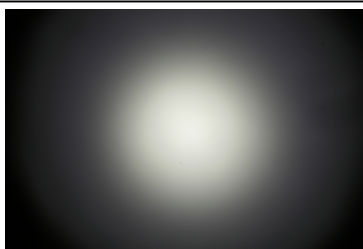
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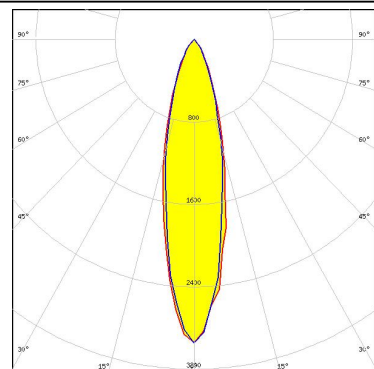
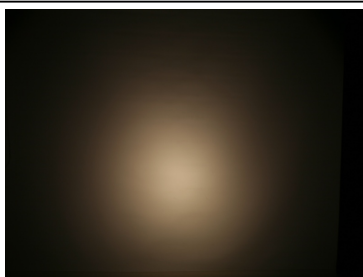
LED XHP50
FWHM 25.0°
Efficiency 90 %
Peak intensity 2.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:



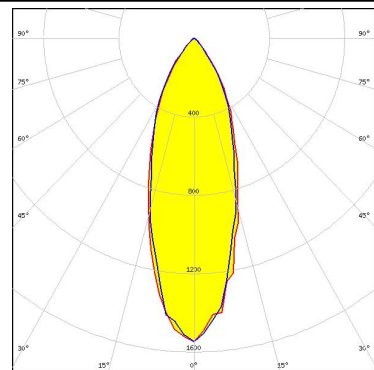
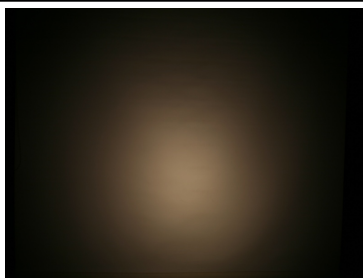
LED XM-L
FWHM 28.0°
Efficiency 84 %
Peak intensity 2.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13333_MIRELLA-CL



LED XM-L
FWHM 24.0°
Efficiency 89 %
Peak intensity 2.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:



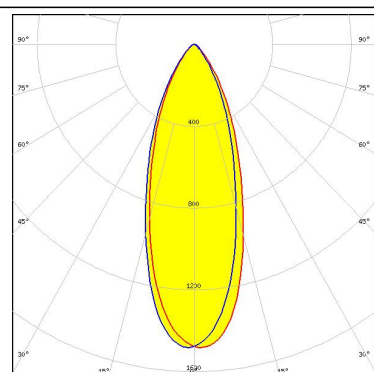
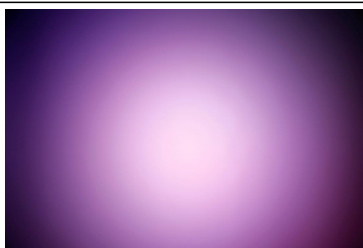
LED XM-L
FWHM 35.0°
Efficiency 80 %
Peak intensity 1.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C12479_MIRELLA-DL



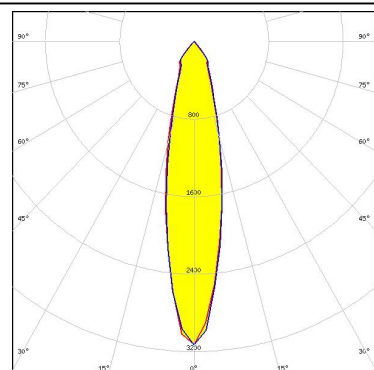
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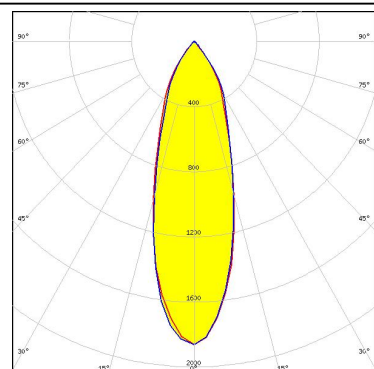
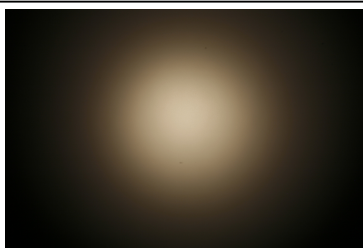
LED XM-L RGB
FWHM 37.0°
Efficiency 83 %
Peak intensity 1.5 cd/Im
LEDs/each optic 1
Light colour White
Required components:
C13723_MIRELLA-RZL



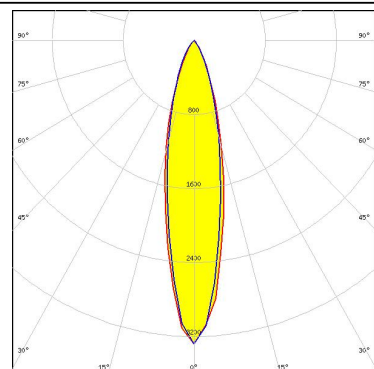
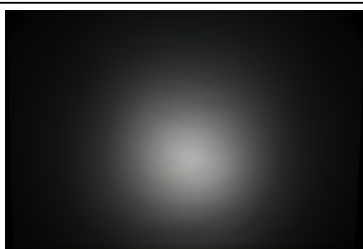
LED XM-L2
FWHM 22.0°
Efficiency 91 %
Peak intensity 3.1 cd/Im
LEDs/each optic 1
Light colour White
Required components:



LED XM-L2
FWHM 33.0°
Efficiency 82 %
Peak intensity 1.9 cd/Im
LEDs/each optic 1
Light colour White
Required components:
C12479_MIRELLA-DL



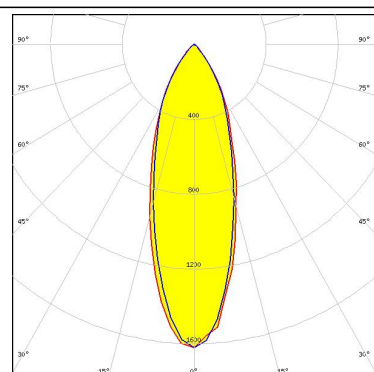
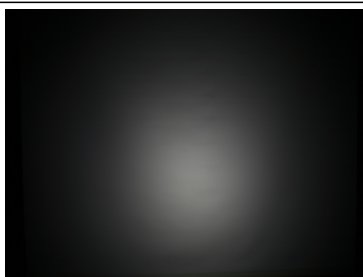
LED XP-G
FWHM 24.0°
Efficiency 86 %
Peak intensity 3.3 cd/Im
LEDs/each optic 1
Light colour White
Required components:



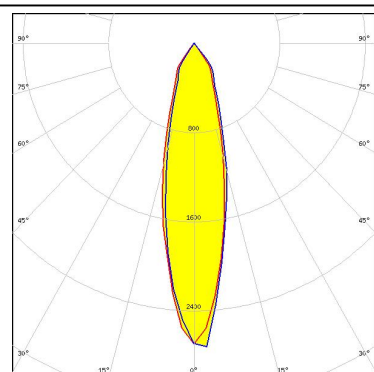
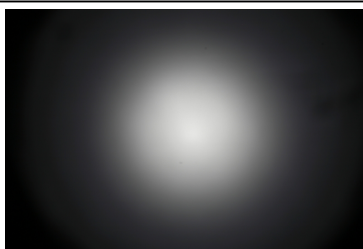
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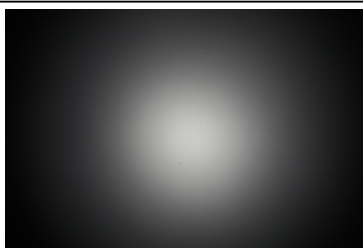
LED XP-G
FWHM 34.0°
Efficiency 81 %
Peak intensity 1.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C12479_MIRELLA-DL



LED XP-G
FWHM 24.0°
Efficiency 83 %
Peak intensity 2.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13333_MIRELLA-CL



LED XP-G2
FWHM 30.0°
Efficiency 83 %
Peak intensity 2 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C12479_MIRELLA-DL



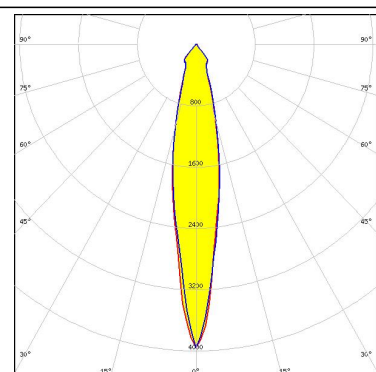
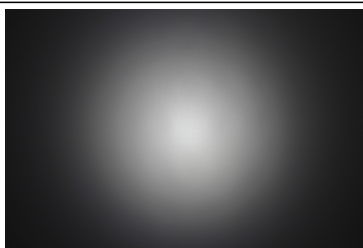
LED XP-G2
FWHM 22.0°
Efficiency 88 %
Peak intensity 2.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:



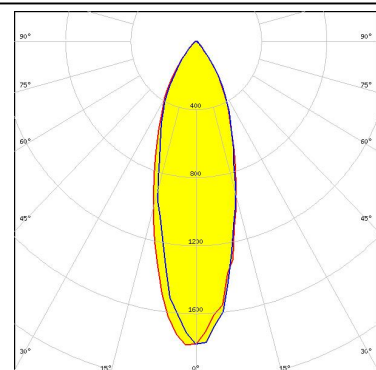
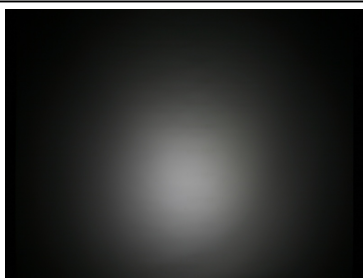
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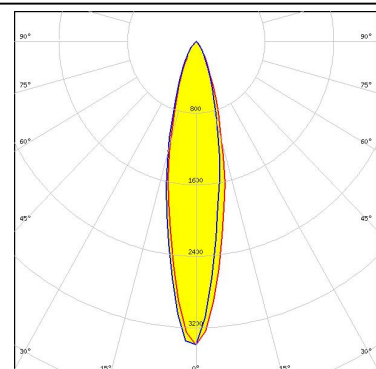
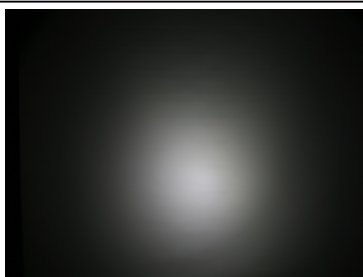
LED XP-L HI
FWHM 17.0°
Efficiency 88 %
Peak intensity 4.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:



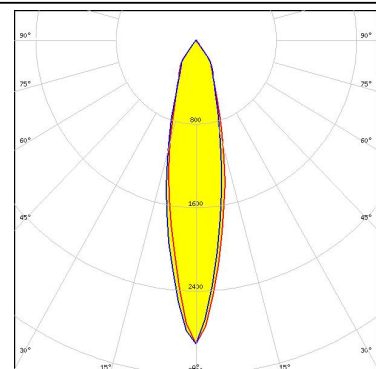
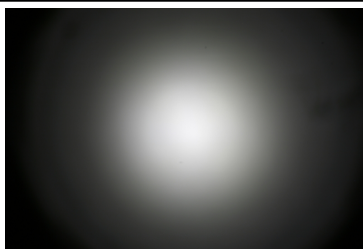
LED XT-E
FWHM 32.0°
Efficiency 78 %
Peak intensity 1.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C12479_MIRELLA-DL



LED XT-E
FWHM 23.0°
Efficiency 85 %
Peak intensity 3.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:



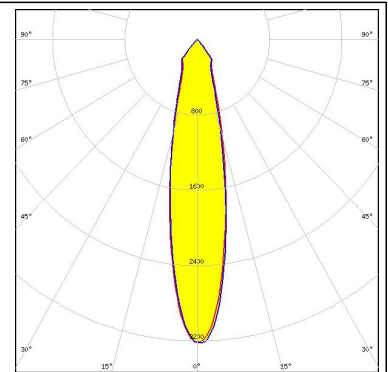
LED XT-E
FWHM 22.0°
Efficiency 81 %
Peak intensity 2.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13333_MIRELLA-CL



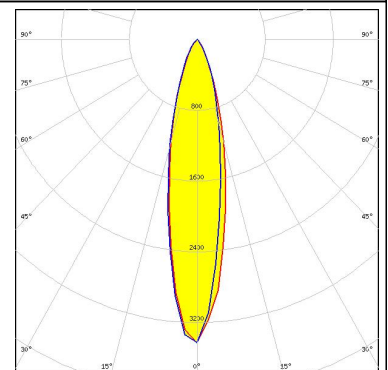
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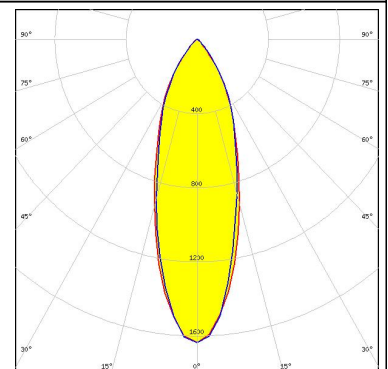
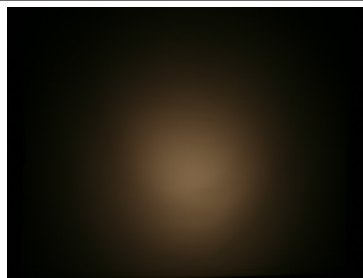
LED LUXEON 5050 Round LES
 FWHM 22.0°
 Efficiency 90 %
 Peak intensity 3.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



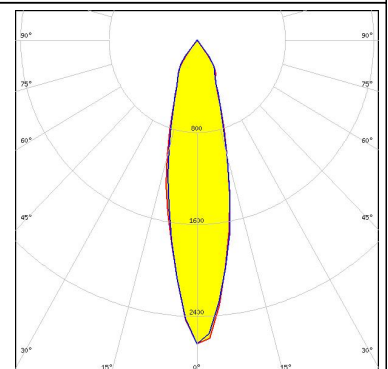
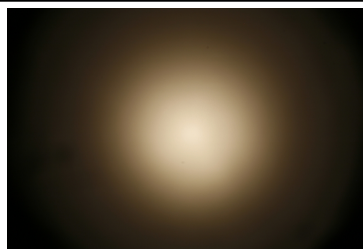
LED LUXEON A
 FWHM 22.0°
 Efficiency 87 %
 Peak intensity 3.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LED LUXEON A
 FWHM 34.0°
 Efficiency 80 %
 Peak intensity 1.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C12479_MIRELLA-DL



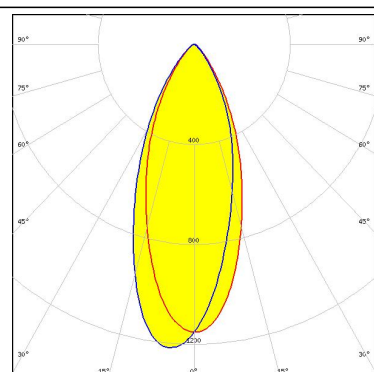
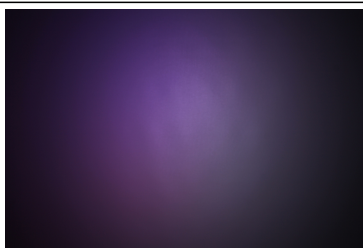
LED LUXEON A
 FWHM 24.0°
 Efficiency 84 %
 Peak intensity 2.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13333_MIRELLA-CL



PHOTOMETRIC DATA (MEASURED):

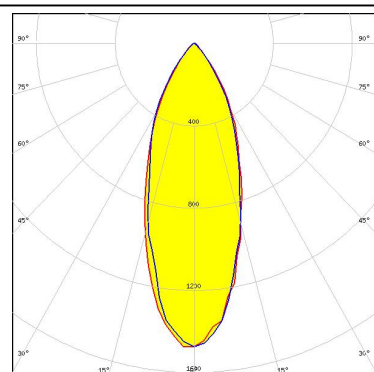
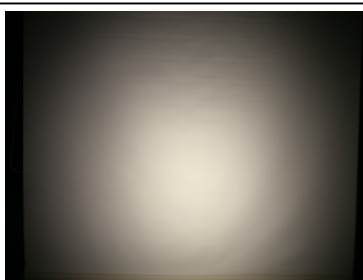
LUMILEDS

LED LUXEON C
FWHM 39.0°
Efficiency 74 %
Peak intensity 1.2 cd/lm
LEDs/each optic 4
Light colour RGBW
Required components:
C13723_MIRELLA-RZL



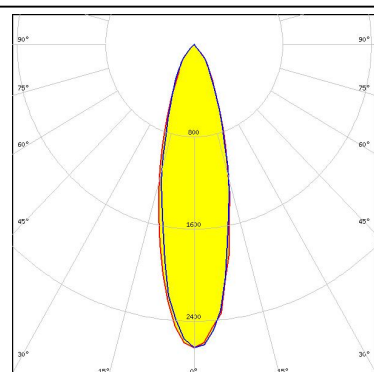
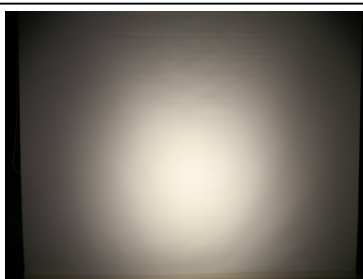
LUMILEDS

LED LUXEON M/MX
FWHM 38.0°
Efficiency 81 %
Peak intensity 1.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C12479_MIRELLA-DL



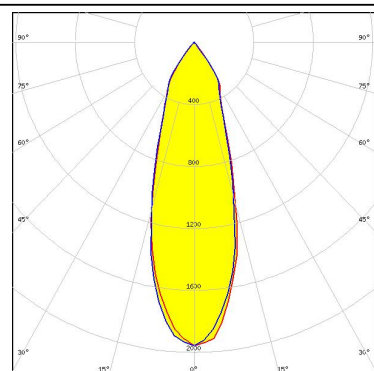
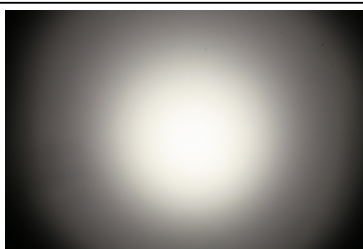
LUMILEDS

LED LUXEON M/MX
FWHM 24.0°
Efficiency 87 %
Peak intensity 2.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LUMILEDS

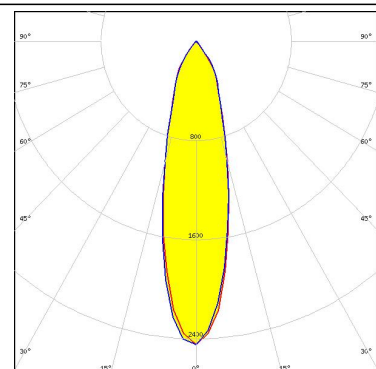
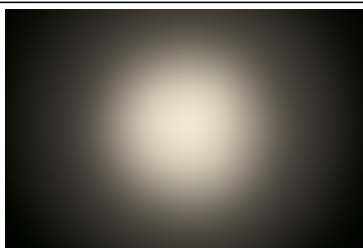
LED LUXEON M/MX
FWHM 33.0°
Efficiency 84 %
Peak intensity 2 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13333_MIRELLA-CL



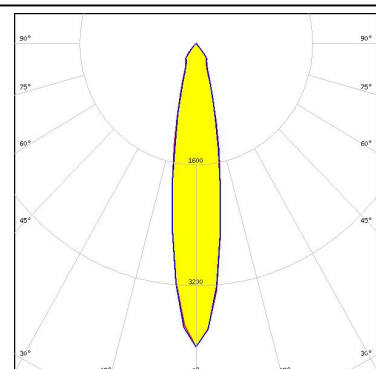
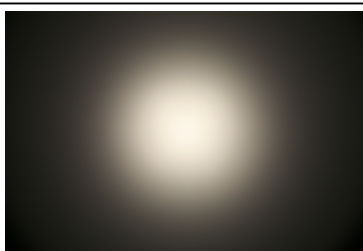
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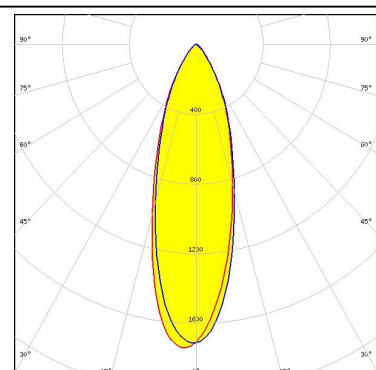
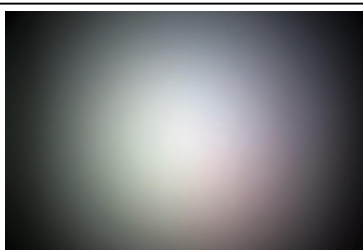
LED LUXEON MZ
FWHM 27.0°
Efficiency 84 %
Peak intensity 2.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C12479_MIRELLA-DL



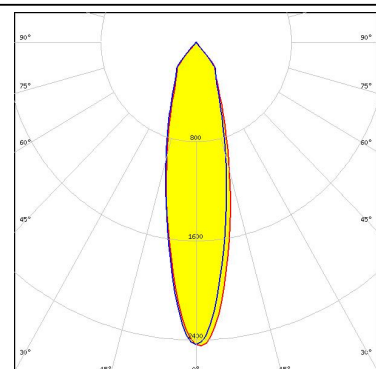
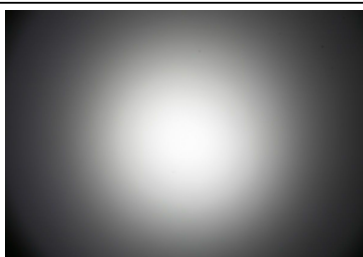
LED LUXEON MZ
FWHM 20.0°
Efficiency 88 %
Peak intensity 4 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED LUXEON Z
FWHM 31.0°
Efficiency 83 %
Peak intensity 1.7 cd/lm
LEDs/each optic 4
Light colour RGBW
Required components:
C13723_MIRELLA-RZL



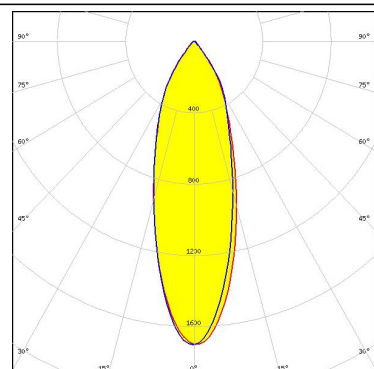
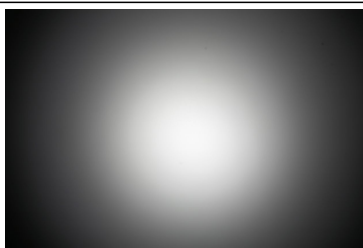
LED NS9x383
FWHM 24.0°
Efficiency 88 %
Peak intensity 2.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:



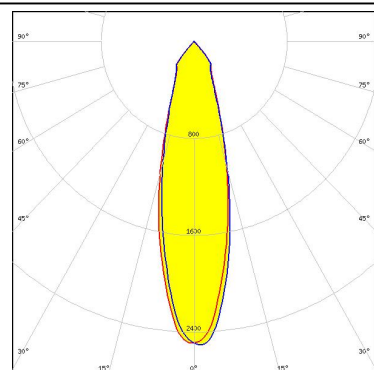
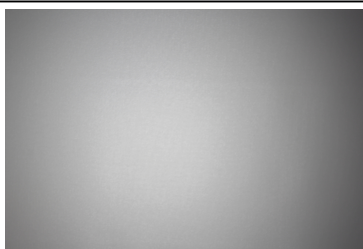
PHOTOMETRIC DATA (MEASURED):



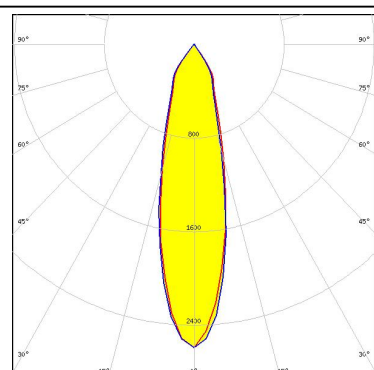
LED NS9x383
FWHM 32.0°
Efficiency 83 %
Peak intensity 1.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C12479_MIRELLA-DL



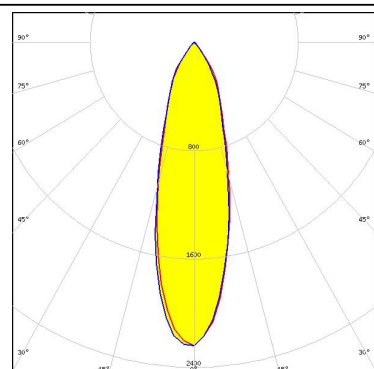
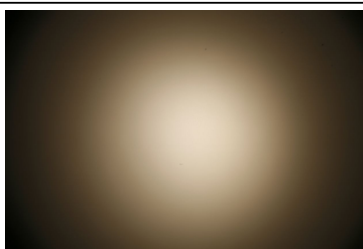
LED NV4x144A
FWHM 27.0°
Efficiency 89 %
Peak intensity 2.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED Duris S8
FWHM 26.0°
Efficiency 84 %
Peak intensity 2.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13333_MIRELLA-CL



LED Duris S8
FWHM 28.0°
Efficiency 84 %
Peak intensity 2.2 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C12479_MIRELLA-DL

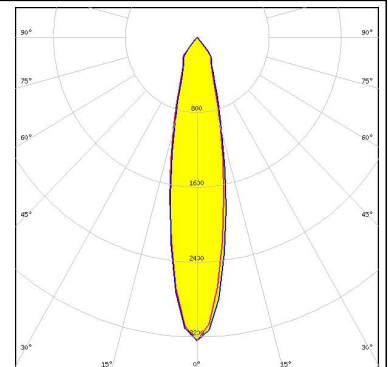
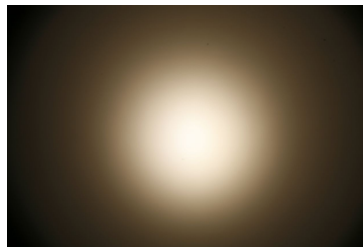


PHOTOMETRIC DATA (MEASURED):

OSRAM

Opto Semiconductors

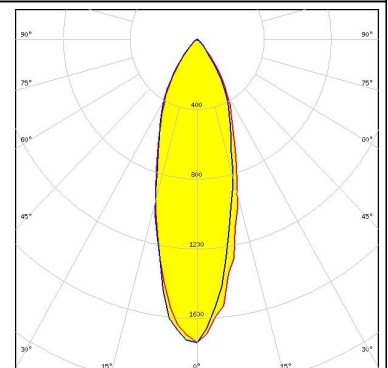
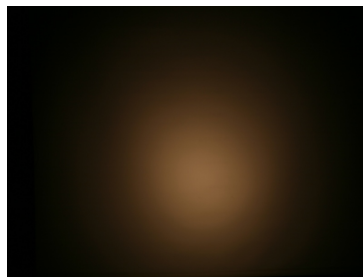
LED Duris S8
FWHM 22.0°
Efficiency 88 %
Peak intensity 3.2 cd/lm
LEDs/each optic 1
Light colour White
Required components:



OSRAM

Opto Semiconductors

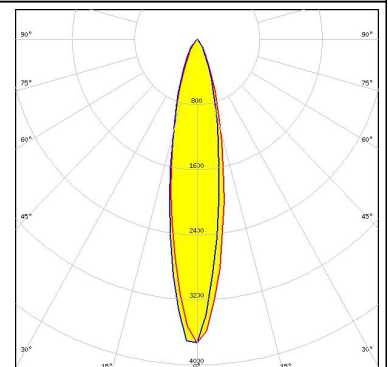
LED OSLOM Square EC
FWHM 32.0°
Efficiency 79 %
Peak intensity 1.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C12479_MIRELLA-DL



OSRAM

Opto Semiconductors

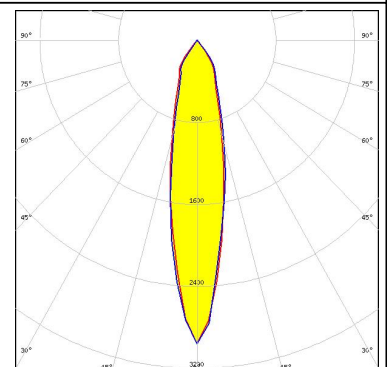
LED OSLOM Square EC
FWHM 22.0°
Efficiency 84 %
Peak intensity 3.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:



OSRAM

Opto Semiconductors

LED OSLOM Square EC
FWHM 22.0°
Efficiency 83 %
Peak intensity 3 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13333_MIRELLA-CL

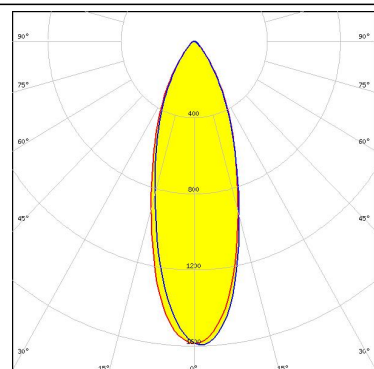
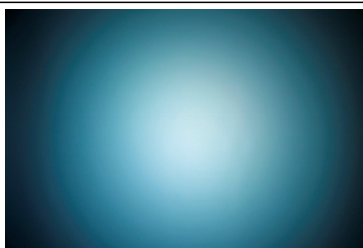


PHOTOMETRIC DATA (MEASURED):

OSRAM

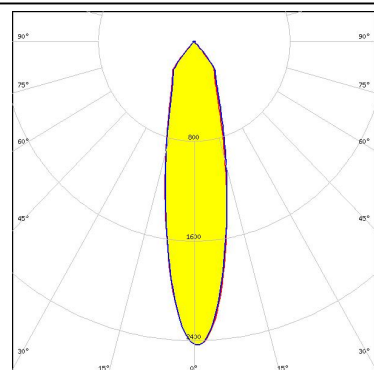
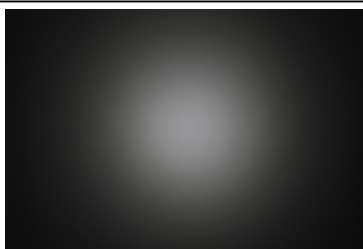
Opto Semiconductors

LED Ostar-SMT RGB
FWHM 34.0°
Efficiency 83 %
Peak intensity 1.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13723_MIRELLA-RZL



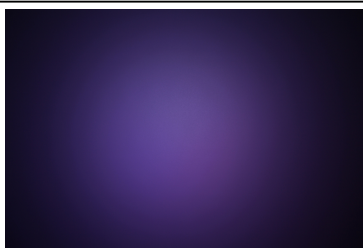
SAMSUNG

LED LH508A
FWHM 24.0°
Efficiency 88 %
Peak intensity 2.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:



SEOUL SEMICONDUCTOR

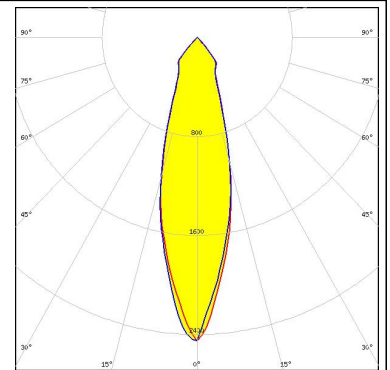
LED F50360 (RGB)
FWHM 33.0°
Efficiency 82 %
Peak intensity 1.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13723_MIRELLA-RZL



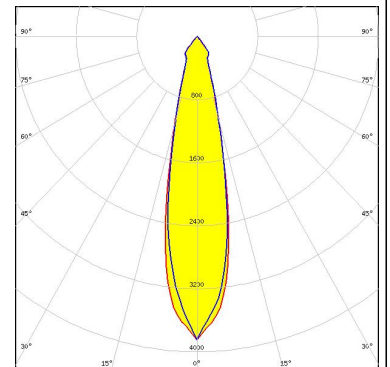
PHOTOMETRIC DATA (SIMULATED):



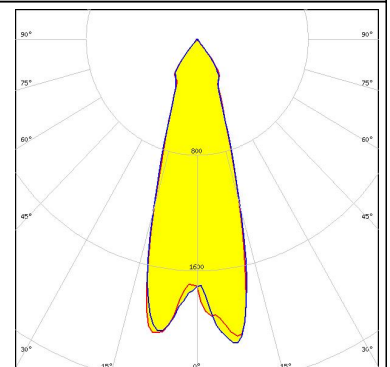
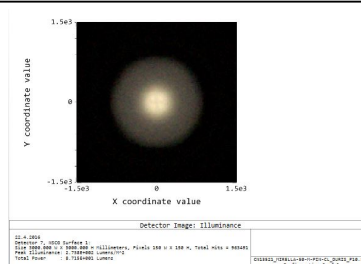
LED XHP35 HD
FWHM 28.0°
Efficiency 92 %
Peak intensity 2.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:



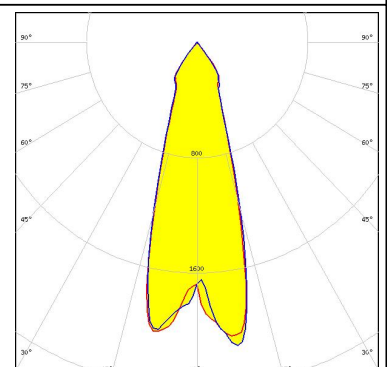
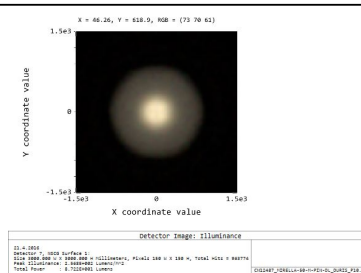
LED LUXEON 5258
FWHM 23.0°
Efficiency 91 %
Peak intensity 3.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED OSCONIQ P 7070
FWHM 29.0°
Efficiency 87 %
Peak intensity 2.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13333_MIRELLA-CL



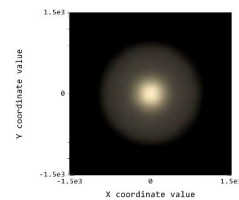
LED OSCONIQ P 7070
FWHM 31.0°
Efficiency 88 %
Peak intensity 2.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C12479_MIRELLA-DL



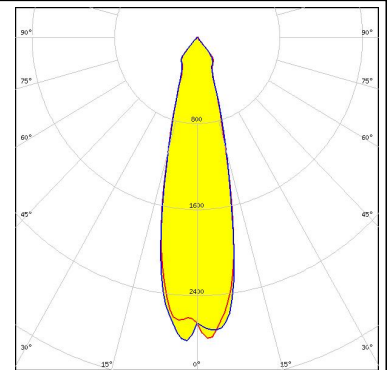
PHOTOMETRIC DATA (SIMULATED):

OSRAM
Opto Semiconductors

LED OSCONIQ P 7070
FWHM 26.0°
Efficiency 91 %
Peak intensity 2.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:

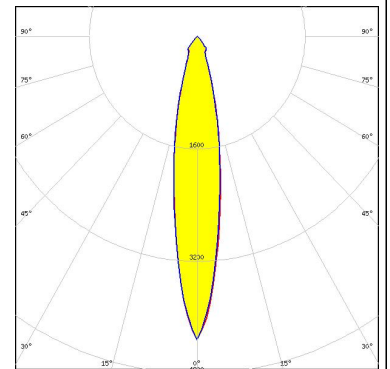


03.0.2024
Detector: FOCUS Surface 2
Size: 100mm x 100mm
Total Power: 0.3439400 Lumens
C12481_MIRELLA-50-M-PIN_SURF_P18.png
Configuration: 2 of 2



SEOUL
SEMICONDUCTOR

LED Z8Y22P
FWHM 19.0°
Efficiency 89 %
Peak intensity 4.3 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.

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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