

MIRELLA-50-M-PIN

~30° medium beam

TECHNICAL SPECIFICATIONS:

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

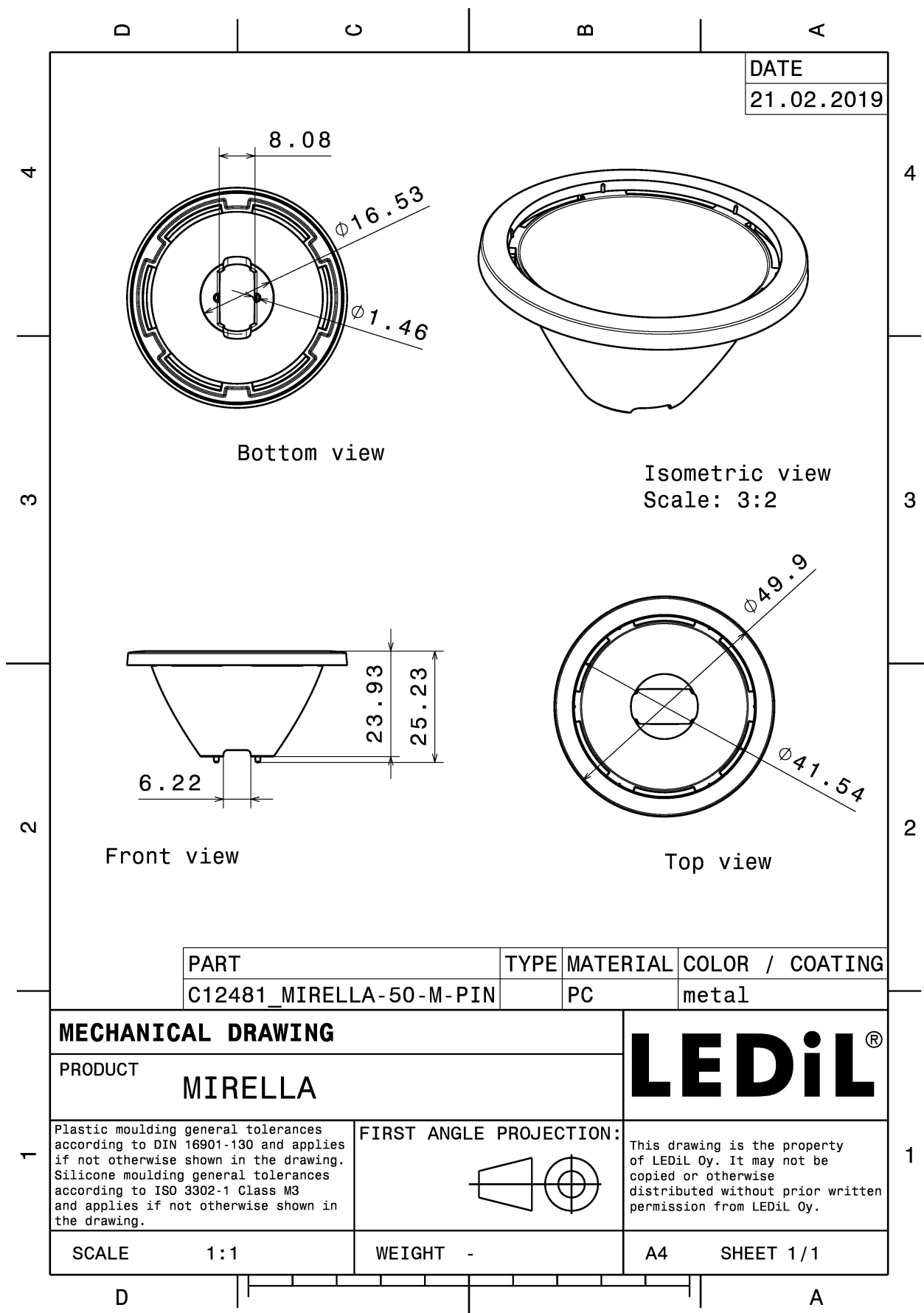
MATERIAL SPECIFICATIONS:

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

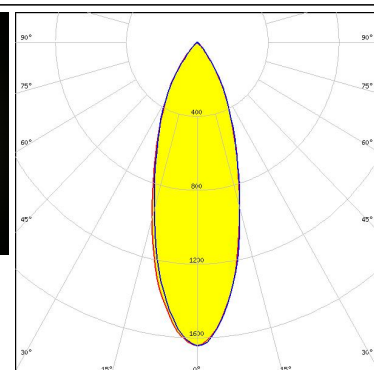
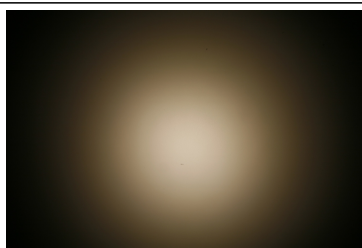


See also our general installation guide: www.ledil.com/installation_guide

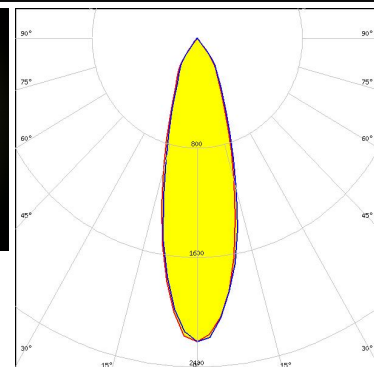
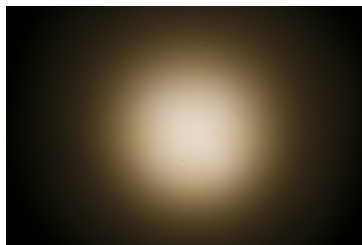
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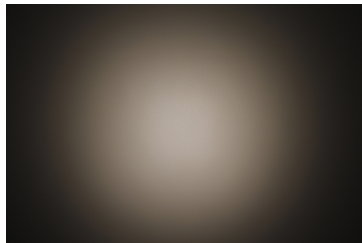
LED SM4
 FWHM / FWTM 35.0° / 73.0°
 Efficiency 78 %
 Peak intensity 1.7 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C12479_MIRELLA-DL



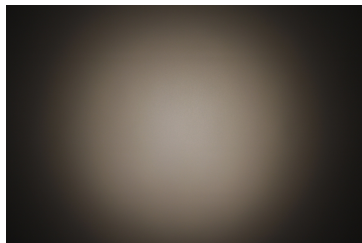
LED SM4
 FWHM / FWTM 29.0° / 68.0°
 Efficiency 80 %
 Peak intensity 2.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13333_MIRELLA-CL



LED MHB-A/B
 FWHM / FWTM 28.0° / 80.0°
 Efficiency 88 %
 Peak intensity 2.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



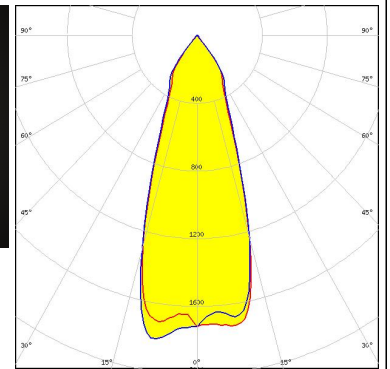
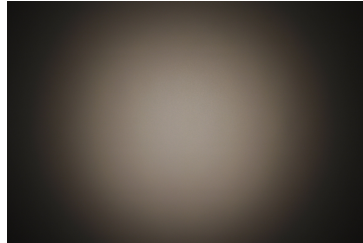
LED MHB-A/B
 FWHM / FWTM 34.0° / 78.0°
 Efficiency 83 %
 Peak intensity 2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13333_MIRELLA-CL



PHOTOMETRIC DATA (MEASURED):

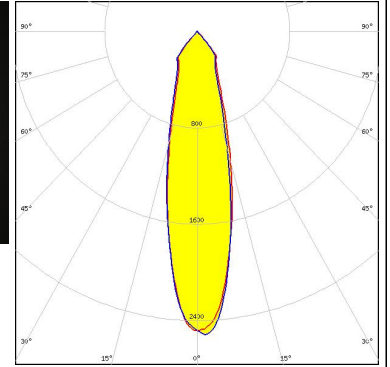
CREE LED

LED MHB-A/B
FWHM / FWTM 35.0° / 76.0°
Efficiency 83 %
Peak intensity 1.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C12479_MIRELLA-DL



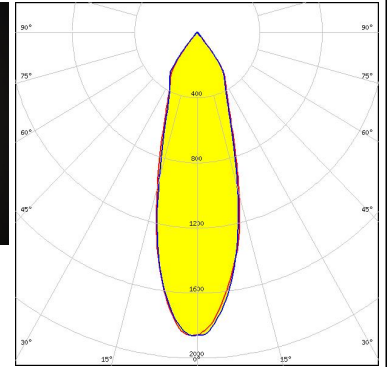
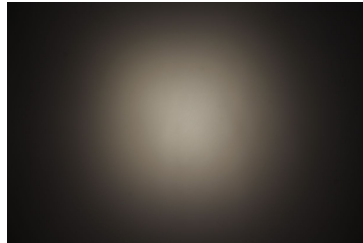
CREE LED

LED XHP50
FWHM / FWTM 25.0° / 77.0°
Efficiency 90 %
Peak intensity 2.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:



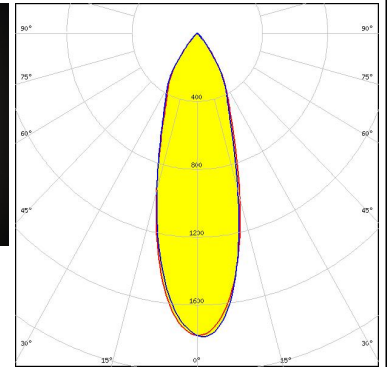
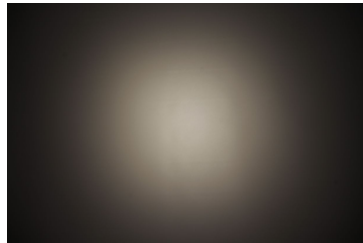
CREE LED

LED XHP50
FWHM / FWTM 32.0° / 76.0°
Efficiency 85 %
Peak intensity 1.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13333_MIRELLA-CL



CREE LED

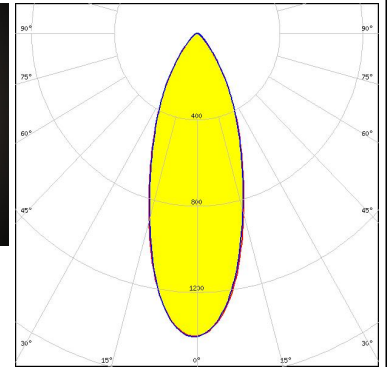
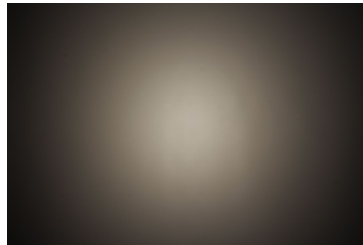
LED XHP50
FWHM / FWTM 32.0° / 74.0°
Efficiency 86 %
Peak intensity 1.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C12479_MIRELLA-DL



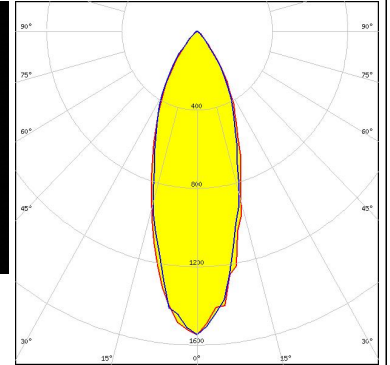
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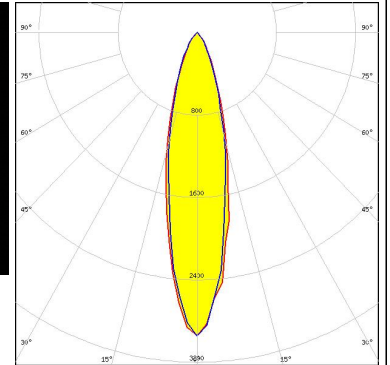
LED XHP50
FWHM / FWTM 37.0° / 78.0°
Efficiency 83 %
Peak intensity 1.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13723_MIRELLA-RZL



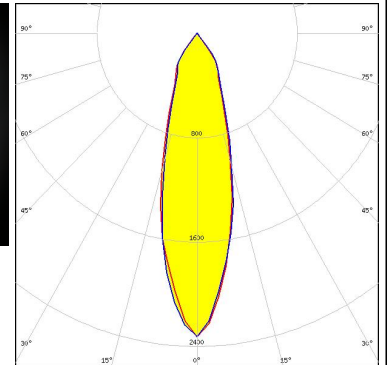
LED XM-L
FWHM / FWTM 35.0° / 76.0°
Efficiency 80 %
Peak intensity 1.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C12479_MIRELLA-DL



LED XM-L
FWHM / FWTM 24.0° / 56.0°
Efficiency 89 %
Peak intensity 2.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:



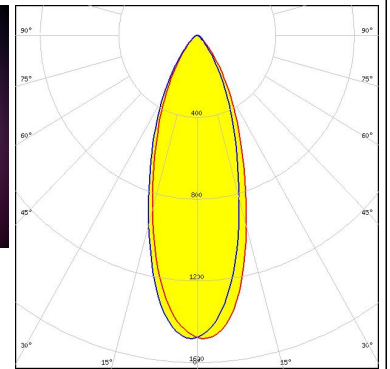
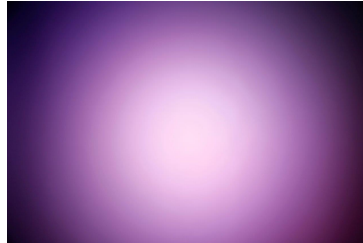
LED XM-L
FWHM / FWTM 28.0° / 72.0°
Efficiency 84 %
Peak intensity 2.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13333_MIRELLA-CL



PHOTOMETRIC DATA (MEASURED):

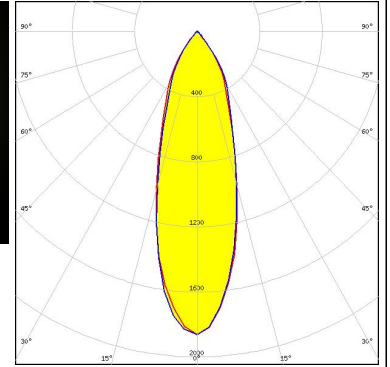
CREE LED

LED XM-L RGBW (XMLCTW)
 FWHM / FWTM 37.0° / 76.0°
 Efficiency 83 %
 Peak intensity 1.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13723_MIRELLA-RZL



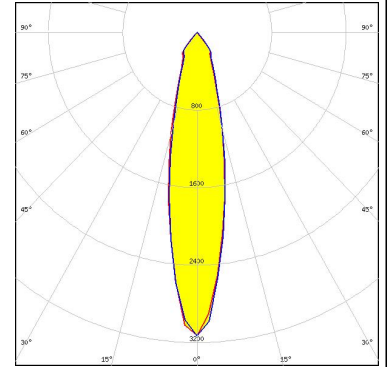
CREE LED

LED XM-L2
 FWHM / FWTM 33.0° / 74.0°
 Efficiency 82 %
 Peak intensity 1.9 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C12479_MIRELLA-DL



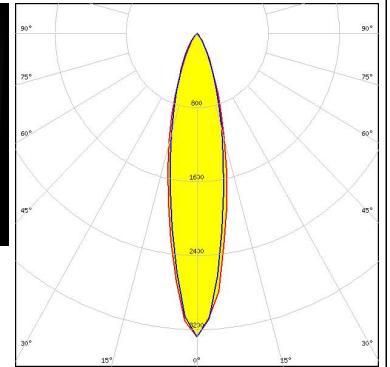
CREE LED

LED XM-L2
 FWHM / FWTM 22.0° / 58.0°
 Efficiency 91 %
 Peak intensity 3.1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



CREE LED

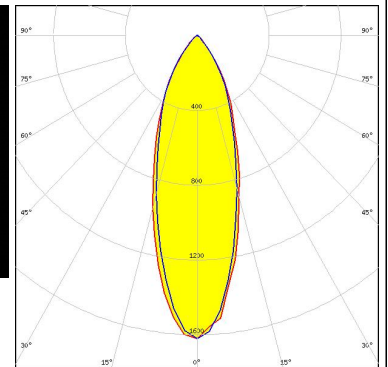
LED XP-G
 FWHM / FWTM 24.0° / 53.0°
 Efficiency 86 %
 Peak intensity 3.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



PHOTOMETRIC DATA (MEASURED):

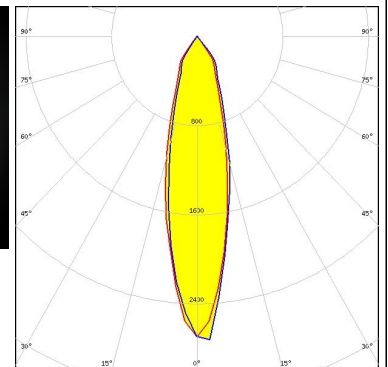
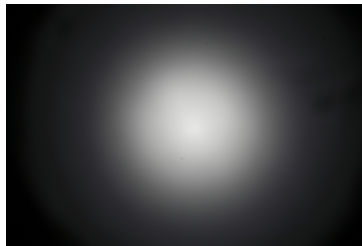
CREE LED

LED XP-G
FWHM / FWTM 34.0° / 74.0°
Efficiency 81 %
Peak intensity 1.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C12479_MIRELLA-DL



CREE LED

LED XP-G
FWHM / FWTM 24.0° / 68.0°
Efficiency 83 %
Peak intensity 2.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13333_MIRELLA-CL



CREE LED

LED XP-G2
FWHM / FWTM 30.0° / 74.0°
Efficiency 83 %
Peak intensity 2 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C12479_MIRELLA-DL



CREE LED

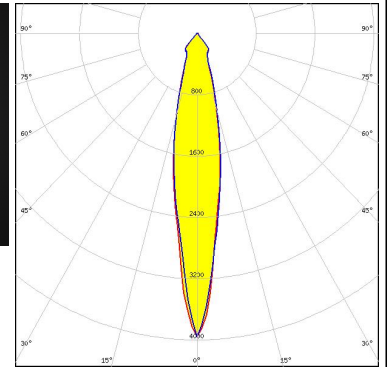
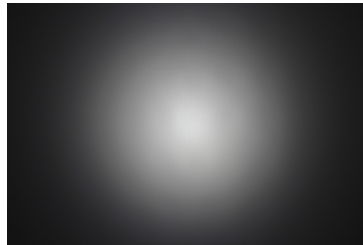
LED XP-G2
FWHM / FWTM 22.0° / 76.0°
Efficiency 88 %
Peak intensity 2.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:



PHOTOMETRIC DATA (MEASURED):

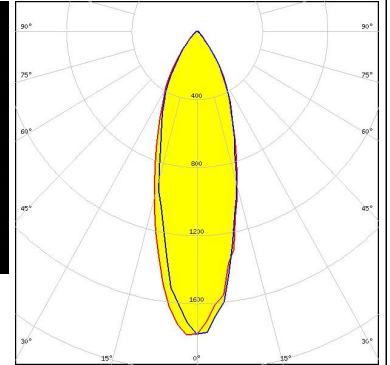
CREE LED

LED XP-L HI
FWHM / FWTM 17.0° / 48.0°
Efficiency 88 %
Peak intensity 4.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:



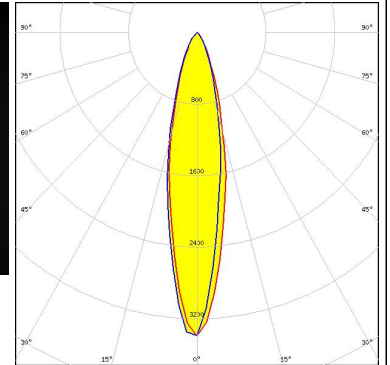
CREE LED

LED XT-E
FWHM / FWTM 32.0° / 73.0°
Efficiency 78 %
Peak intensity 1.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C12479_MIRELLA-DL



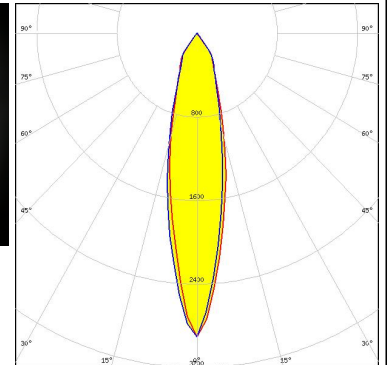
CREE LED

LED XT-E
FWHM / FWTM 23.0° / 51.0°
Efficiency 85 %
Peak intensity 3.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:



CREE LED

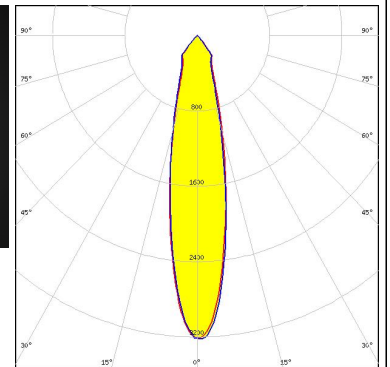
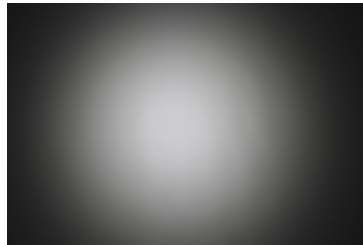
LED XT-E
FWHM / FWTM 22.0° / 64.0°
Efficiency 81 %
Peak intensity 2.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13333_MIRELLA-CL



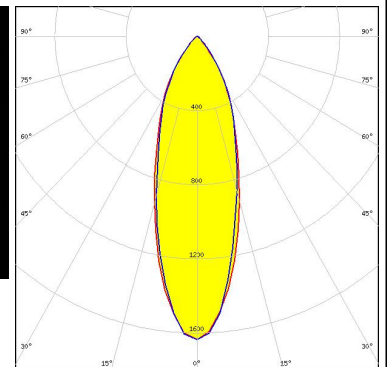
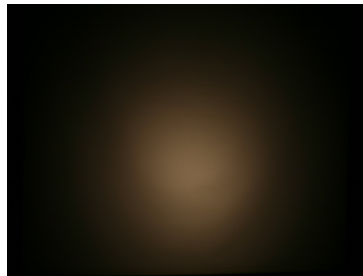
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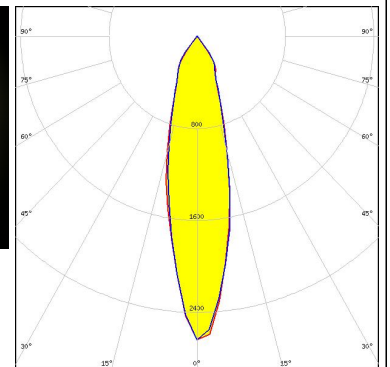
LED LUXEON 5050 Round LES
 FWHM / FWTM 22.0° / 59.0°
 Efficiency 90 %
 Peak intensity 3.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



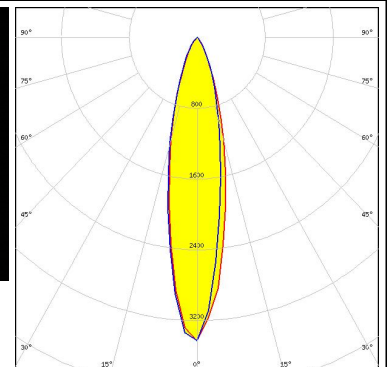
LED LUXEON A
 FWHM / FWTM 34.0° / 75.0°
 Efficiency 80 %
 Peak intensity 1.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C12479_MIRELLA-DL



LED LUXEON A
 FWHM / FWTM 24.0° / 69.0°
 Efficiency 84 %
 Peak intensity 2.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13333_MIRELLA-CL



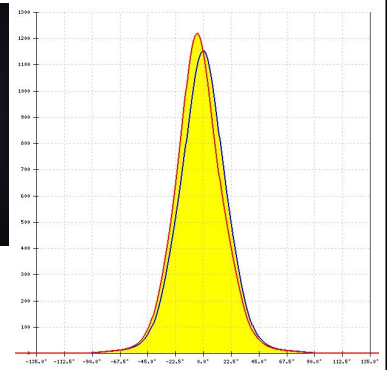
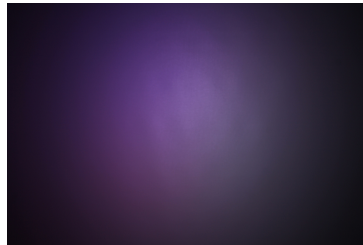
LED LUXEON A
 FWHM / FWTM 22.0° / 52.0°
 Efficiency 87 %
 Peak intensity 3.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



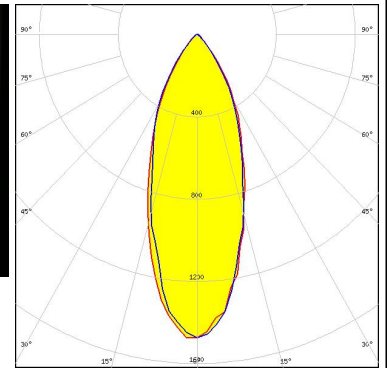
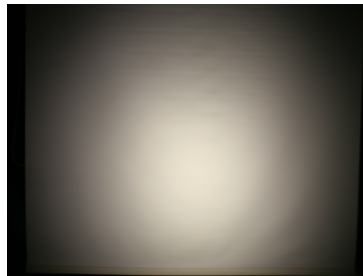
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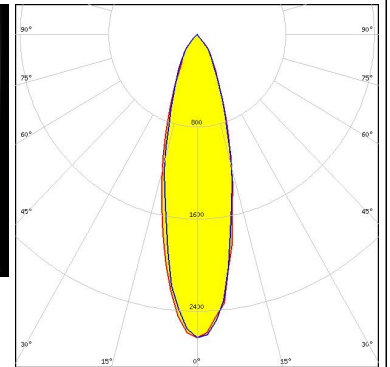
LED LUXEON C
FWHM / FWTM 39.0° / 79.0°
Efficiency 74 %
Peak intensity 1.2 cd/lm
LEDs/each optic 4
Light colour RGBW
Required components:
C13723_MIRELLA-RZL



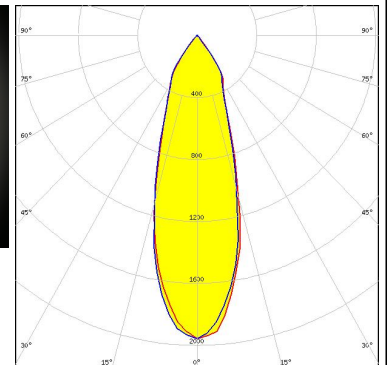
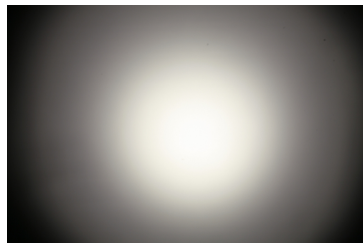
LED LUXEON M/MX
FWHM / FWTM 38.0° / 78.0°
Efficiency 81 %
Peak intensity 1.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C12479_MIRELLA-DL



LED LUXEON M/MX
FWHM / FWTM 24.0° / 63.0°
Efficiency 87 %
Peak intensity 2.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:



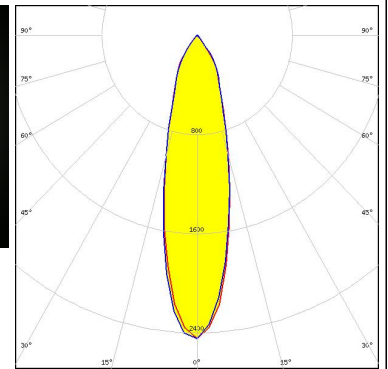
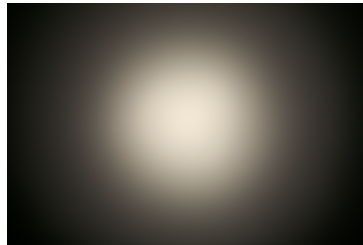
LED LUXEON M/MX
FWHM / FWTM 33.0° / 74.0°
Efficiency 84 %
Peak intensity 2 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13333_MIRELLA-CL



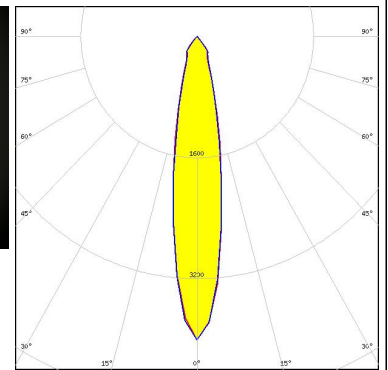
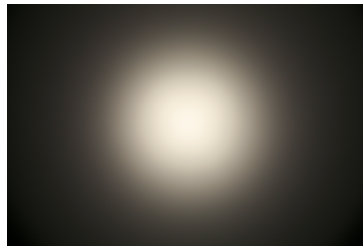
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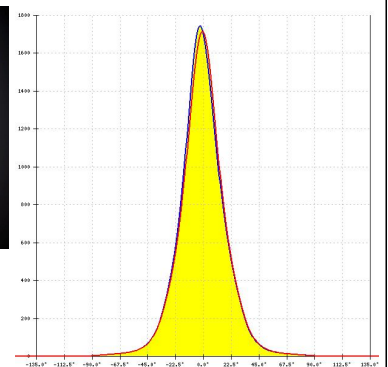
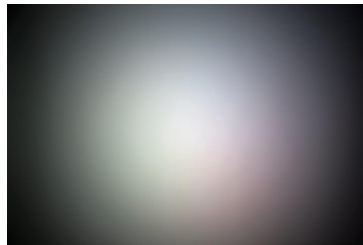
LED LUXEON MZ
FWHM / FWTM 27.0° / 69.0°
Efficiency 84 %
Peak intensity 2.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C12479_MIRELLA-DL



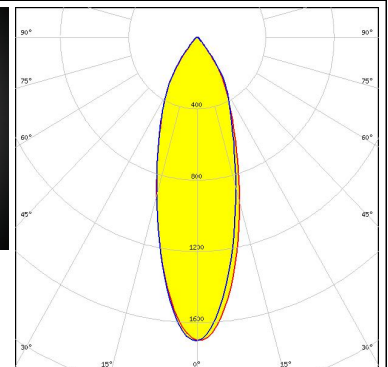
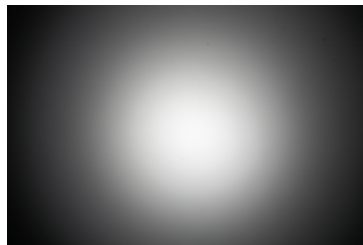
LED LUXEON MZ
FWHM / FWTM 20.0° / 47.0°
Efficiency 88 %
Peak intensity 4 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED LUXEON Z
FWHM / FWTM 31.0° / 71.0°
Efficiency 83 %
Peak intensity 1.7 cd/lm
LEDs/each optic 4
Light colour RGBW
Required components:
C13723_MIRELLA-RZL



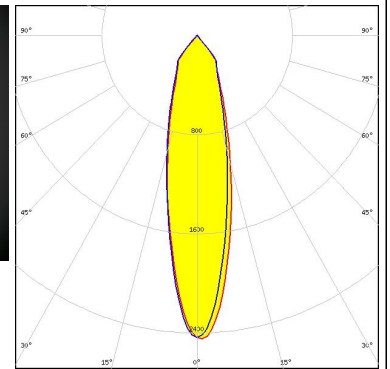
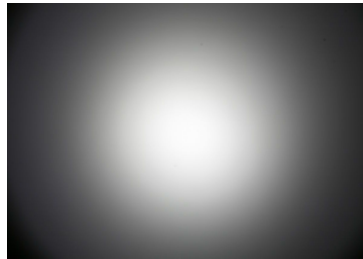
LED NS9x383
FWHM / FWTM 32.0° / 74.0°
Efficiency 83 %
Peak intensity 1.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C12479_MIRELLA-DL



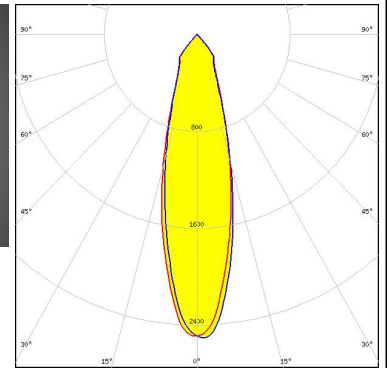
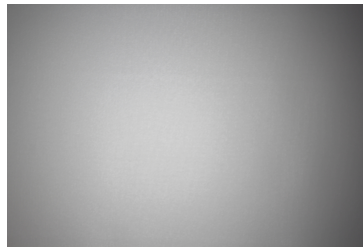
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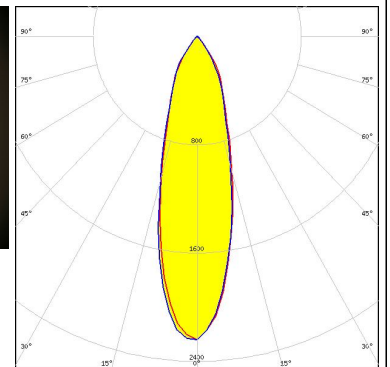
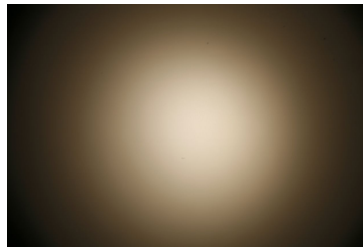
LED NS9x383
 FWHM / FWTM 24.0° / 78.0°
 Efficiency 88 %
 Peak intensity 2.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



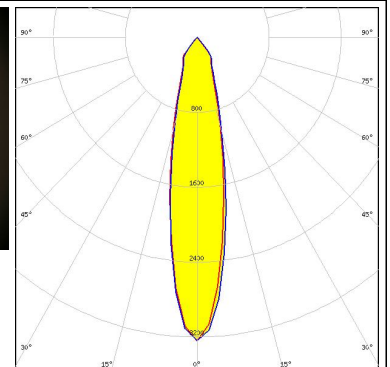
LED NV4x144A
 FWHM / FWTM 27.0° / 73.0°
 Efficiency 89 %
 Peak intensity 2.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LED Duris S8
 FWHM / FWTM 28.0° / 69.0°
 Efficiency 84 %
 Peak intensity 2.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C12479_MIRELLA-DL



LED Duris S8
 FWHM / FWTM 22.0° / 58.0°
 Efficiency 88 %
 Peak intensity 3.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

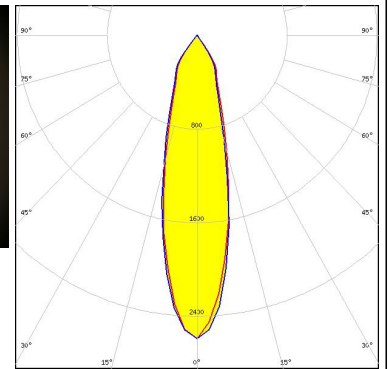


PHOTOMETRIC DATA (MEASURED):

OSRAM

Opto Semiconductors

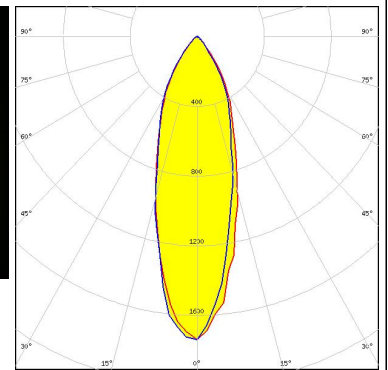
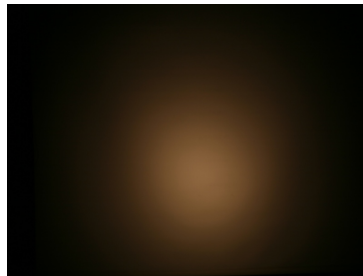
LED Duris S8
FWHM / FWTM 26.0° / 70.0°
Efficiency 84 %
Peak intensity 2.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13333_MIRELLA-CL



OSRAM

Opto Semiconductors

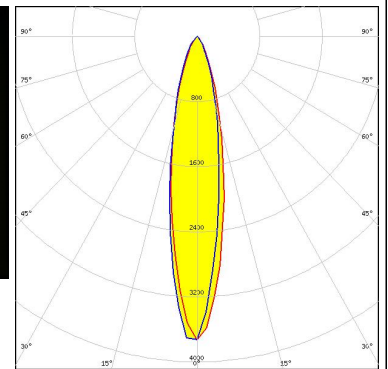
LED OSLO Square EC
FWHM / FWTM 32.0° / 75.0°
Efficiency 79 %
Peak intensity 1.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C12479_MIRELLA-DL



OSRAM

Opto Semiconductors

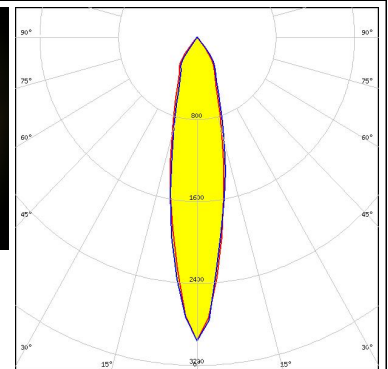
LED OSLO Square EC
FWHM / FWTM 22.0° / 49.0°
Efficiency 84 %
Peak intensity 3.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:



OSRAM

Opto Semiconductors

LED OSLO Square EC
FWHM / FWTM 22.0° / 67.0°
Efficiency 83 %
Peak intensity 3 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13333_MIRELLA-CL

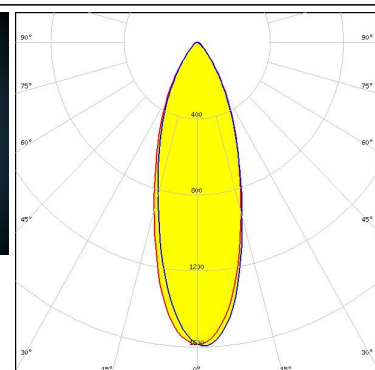
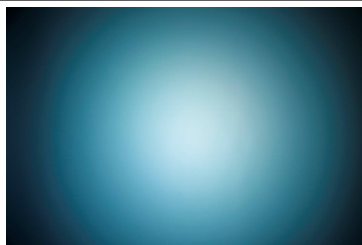


PHOTOMETRIC DATA (MEASURED):

OSRAM

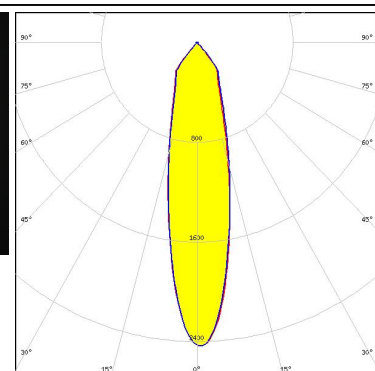
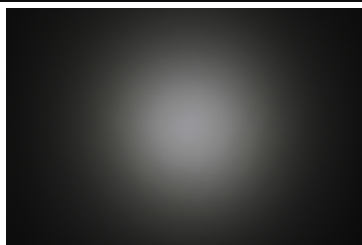
Opto Semiconductors

LED Ostar-SMT RGB
FWHM / FWTM 34.0° / 74.0°
Efficiency 83 %
Peak intensity 1.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13723_MIRELLA-RZL



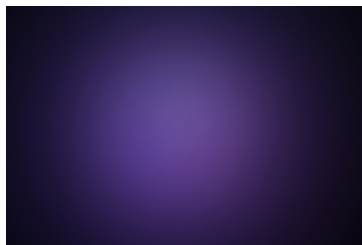
SAMSUNG

LED LH508A
FWHM / FWTM 24.0° / 78.0°
Efficiency 88 %
Peak intensity 2.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:



SEOUL SEMICONDUCTOR

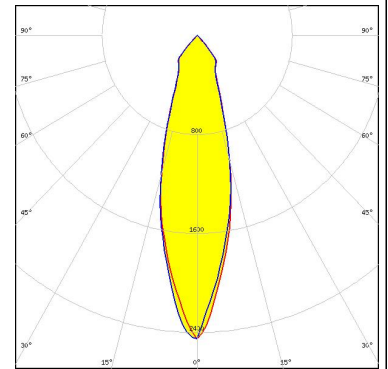
LED F50360 (RGB)
FWHM / FWTM 33.0° / 76.0°
Efficiency 82 %
Peak intensity 1.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13723_MIRELLA-RZL



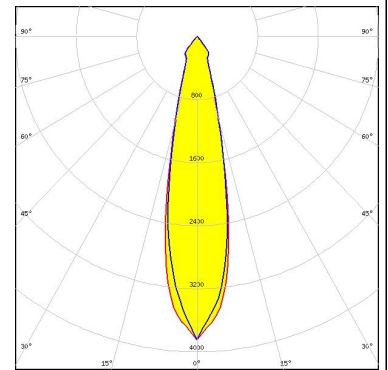
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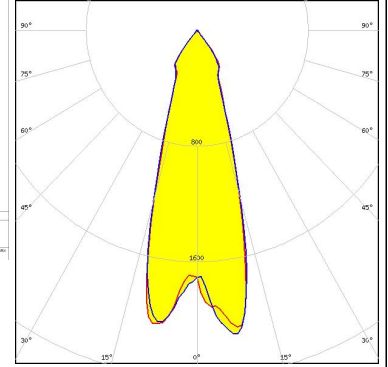
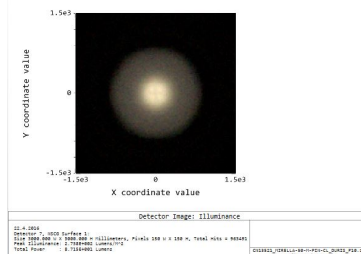
LED XHP35 HD
FWHM / FWTM 28.0° / 77.0°
Efficiency 92 %
Peak intensity 2.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:



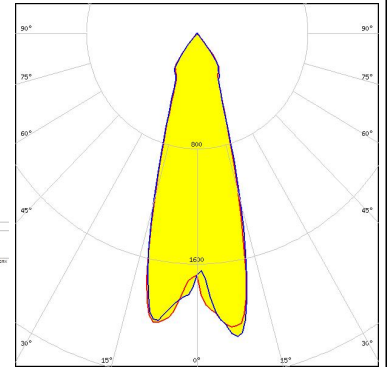
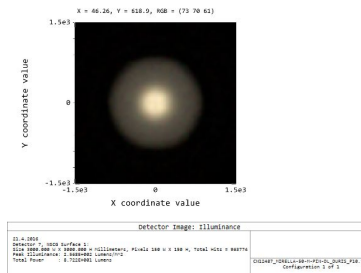
LED LUXEON 5258
FWHM / FWTM 23.0° / 45.0°
Efficiency 91 %
Peak intensity 3.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:



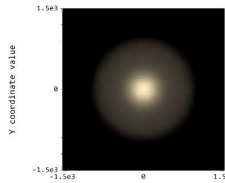
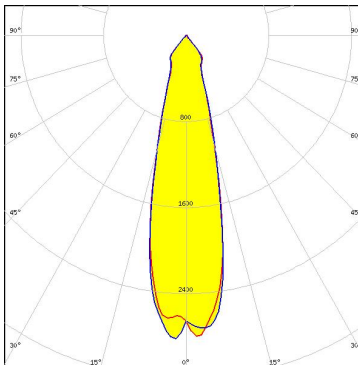
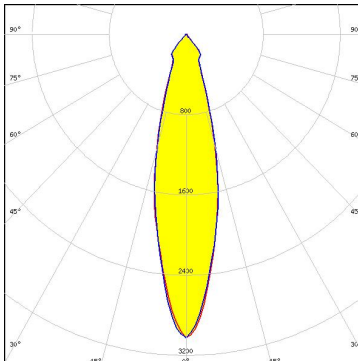
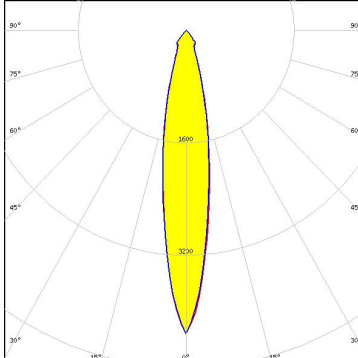
LED OSCONIQ P 7070
FWHM / FWTM 29.0° / 70.0°
Efficiency 87 %
Peak intensity 2.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13333_MIRELLA-CL



LED OSCONIQ P 7070
FWHM / FWTM 31.0° / 72.0°
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 FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: OSCONIQ P 7070 26.0° / 63.0° 91 % 2.9 cd/lm 1 White	 detector image: illuminance OSRAM OSCONIQ P 7070 26.0° / 63.0° 91 % 2.9 cd/lm 1 White OSRAM OSCONIQ P 7070 26.0° / 63.0° 91 % 2.9 cd/lm 1 White	
SAMSUNG LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: LH351D 26.0° / 54.0° 90 % 3 cd/lm 1 White		
SEOUL SEKUI SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Z8Y22P 19.0° / 44.0° 89 % 4.3 cd/lm 1 White		

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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