


## MIRELLA-50-W-PIN

~40° wide beam

### TECHNICAL SPECIFICATIONS:

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

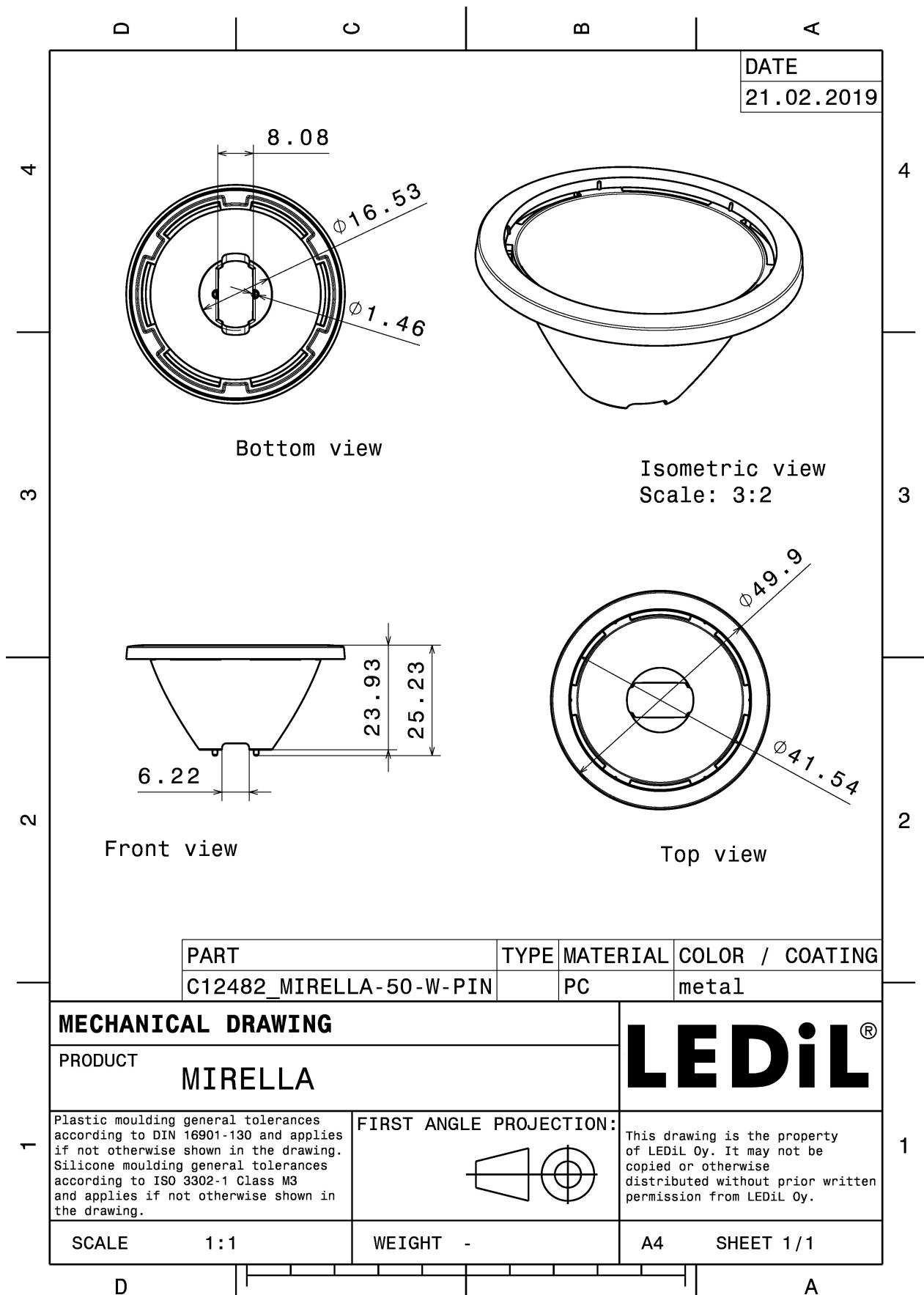
### MATERIAL SPECIFICATIONS:

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


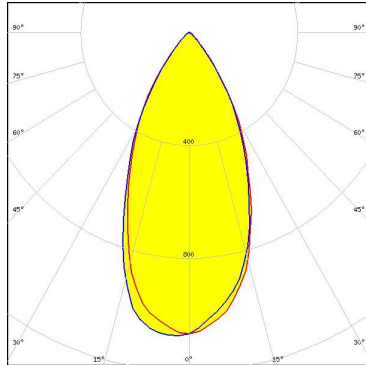

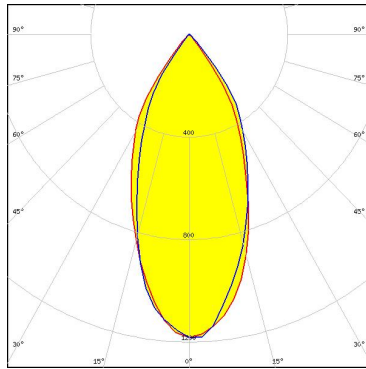
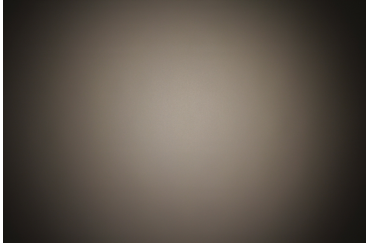
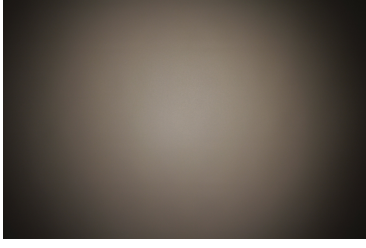


### ORDERING INFORMATION:

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



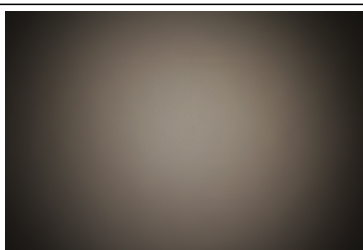
#### PHOTOMETRIC DATA (MEASURED):

<p><b>bridgelux</b></p> <p>LED SM4</p> <p>FWHM 49.0°</p> <p>Efficiency 77 %</p> <p>Peak intensity 1.080 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: C12479_MIRELLA-DL</p>		
<p><b>bridgelux</b></p> <p>LED SM4</p> <p>FWHM 44.0°</p> <p>Efficiency 78 %</p> <p>Peak intensity 1.200 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: C13333_MIRELLA-CL</p>		
<p><b>CREE</b></p> <p>LED MHB-A/B</p> <p>FWHM 45.0°</p> <p>Efficiency 87 %</p> <p>Peak intensity 1.370 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		
<p><b>CREE</b></p> <p>LED MHB-A/B</p> <p>FWHM 49.0°</p> <p>Efficiency 82 %</p> <p>Peak intensity 1.240 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: C13333_MIRELLA-CL</p>		

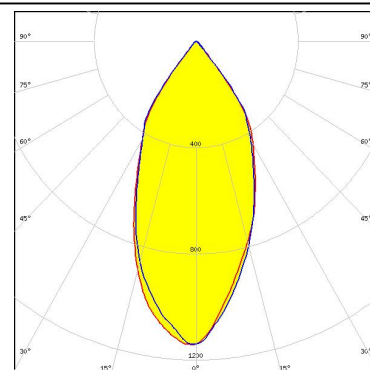
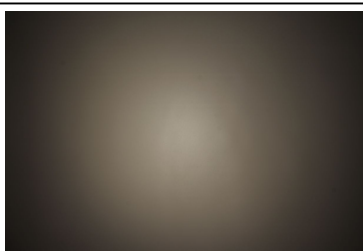
#### PHOTOMETRIC DATA (MEASURED):



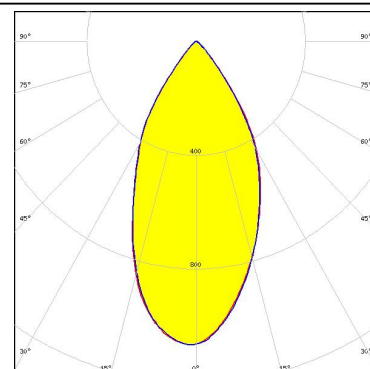
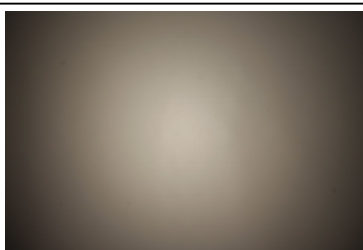
LED MHB-A/B  
FWHM 51.0°  
Efficiency 82 %  
Peak intensity 1.170 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C12479\_MIRELLA-DL



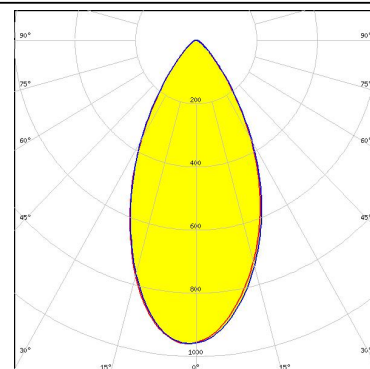
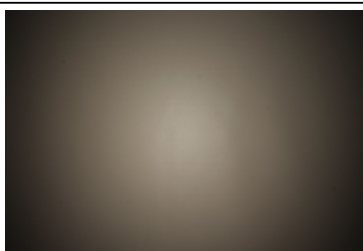
LED XHP50  
FWHM 48.0°  
Efficiency 83 %  
Peak intensity 1.100 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C13333\_MIRELLA-CL



LED XHP50  
FWHM 51.0°  
Efficiency 84 %  
Peak intensity 1.100 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C12479\_MIRELLA-DL



LED XHP50  
FWHM 51.0°  
Efficiency 81 %  
Peak intensity 0.960 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C13723\_MIRELLA-RZL

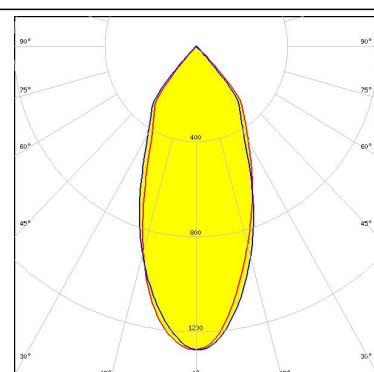
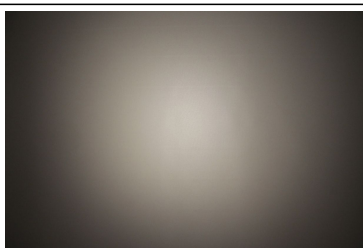




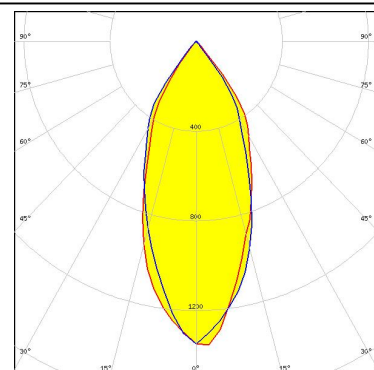
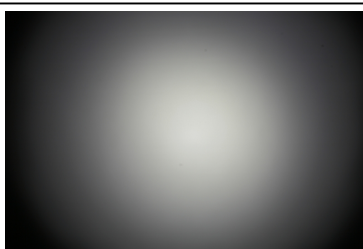
#### PHOTOMETRIC DATA (MEASURED):



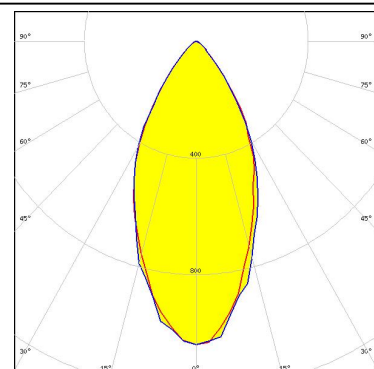
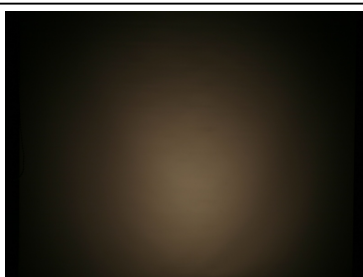
LED XHP50  
FWHM 44.0°  
Efficiency 89 %  
Peak intensity 1.300 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



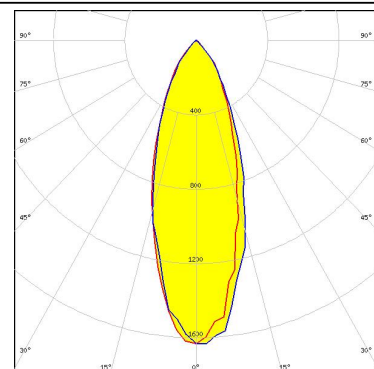
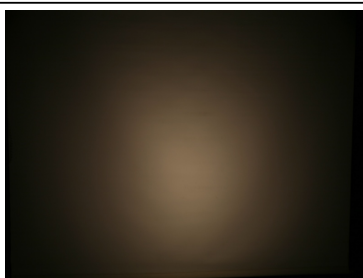
LED XM-L  
FWHM 45.0°  
Efficiency 86 %  
Peak intensity 1.400 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C13333\_MIRELLA-CL



LED XM-L  
FWHM 46.0°  
Efficiency 80 %  
Peak intensity 1.000 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C12479\_MIRELLA-DL



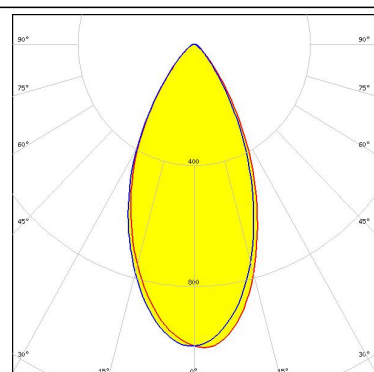
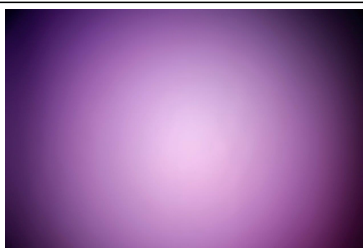
LED XM-L  
FWHM 32.0°  
Efficiency 88 %  
Peak intensity 1.630 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



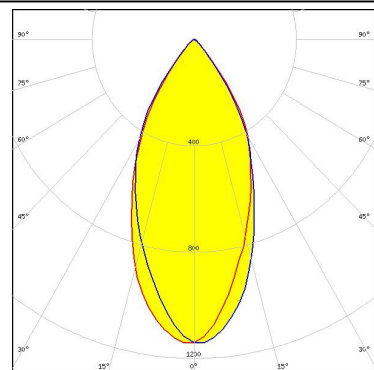
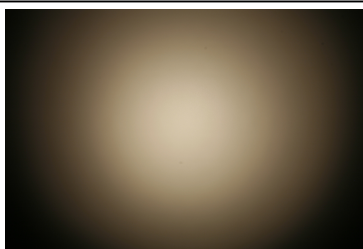
#### PHOTOMETRIC DATA (MEASURED):



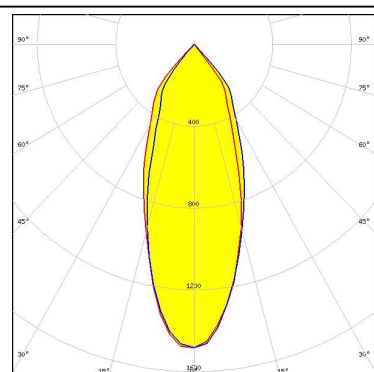
LED XM-L RGB  
FWHM 50.0°  
Efficiency 81 %  
Peak intensity 1.000 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C13723\_MIRELLA-RZL



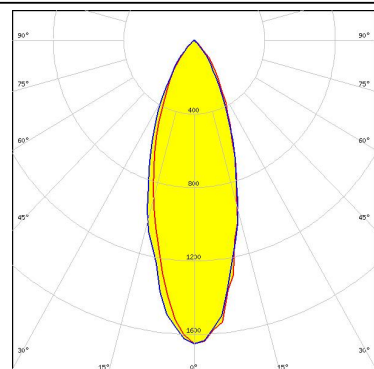
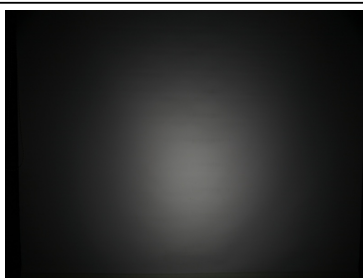
LED XM-L2  
FWHM 49.0°  
Efficiency 81 %  
Peak intensity 1.100 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C12479\_MIRELLA-DL



LED XM-L2  
FWHM 39.0°  
Efficiency 89 %  
Peak intensity 1.500 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



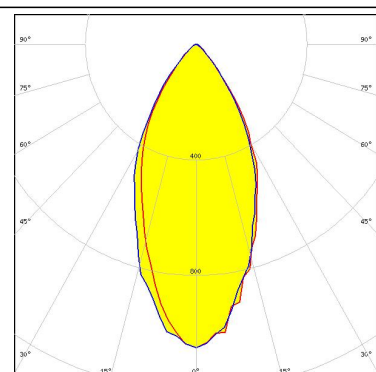
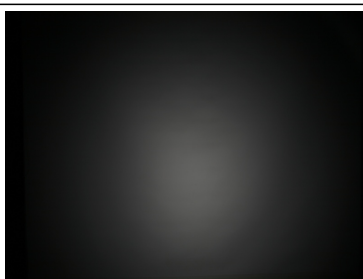
LED XP-G  
FWHM 34.0°  
Efficiency 86 %  
Peak intensity 1.700 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



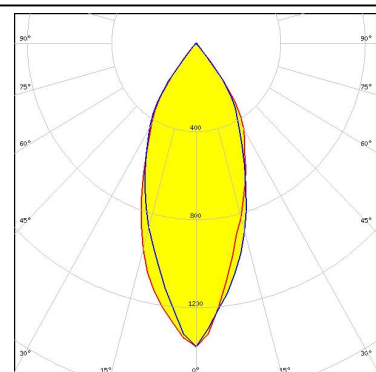
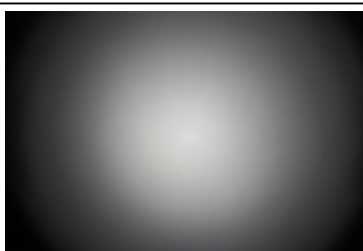
#### PHOTOMETRIC DATA (MEASURED):



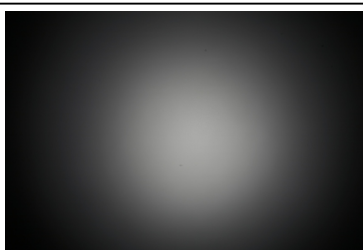
LED XP-G  
FWHM 50.0°  
Efficiency 80 %  
Peak intensity 1.050 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C12479\_MIRELLA-DL



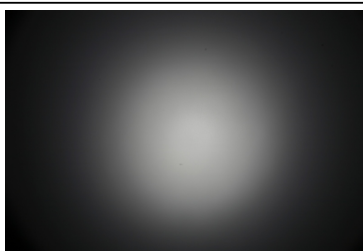
LED XP-G  
FWHM 41.0°  
Efficiency 81 %  
Peak intensity 1.400 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C13333\_MIRELLA-CL



LED XP-G2  
FWHM 45.0°  
Efficiency 83 %  
Peak intensity 1.300 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C12479\_MIRELLA-DL



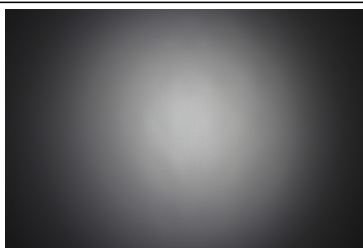
LED XP-G2  
FWHM 36.0°  
Efficiency 88 %  
Peak intensity 1.700 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



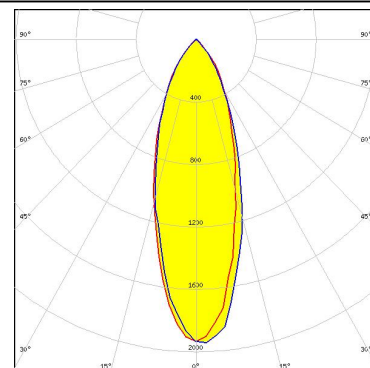
#### PHOTOMETRIC DATA (MEASURED):



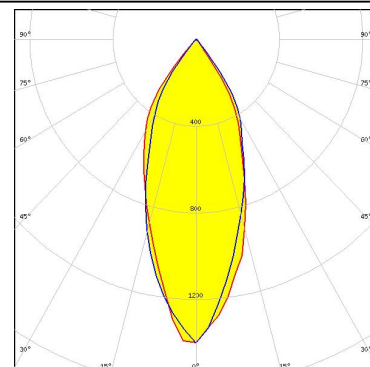
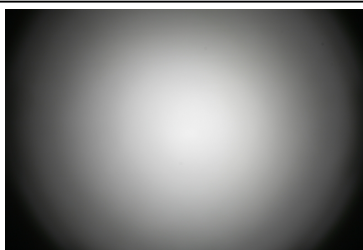
LED XP-L HI  
FWHM 35.0°  
Efficiency 87 %  
Peak intensity 1.700 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



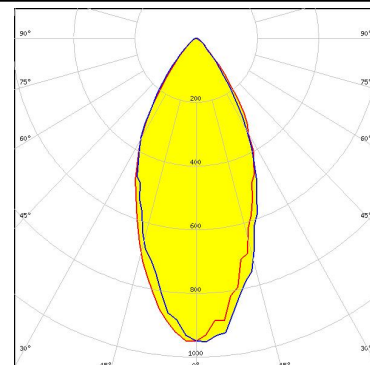
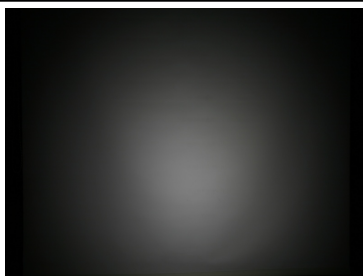
LED XT-E  
FWHM 31.0°  
Efficiency 84 %  
Peak intensity 1.200 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



LED XT-E  
FWHM 41.0°  
Efficiency 83 %  
Peak intensity 1.400 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C13333\_MIRELLA-CL



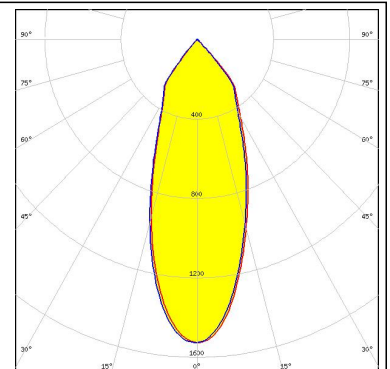
LED XT-E  
FWHM 46.0°  
Efficiency 77 %  
Peak intensity 0.950 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C12479\_MIRELLA-DL



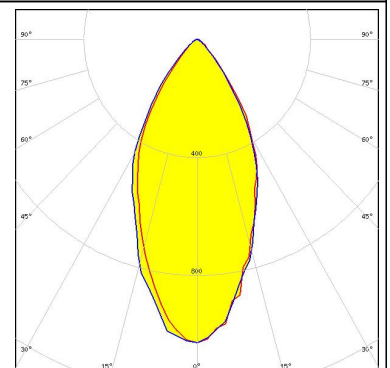
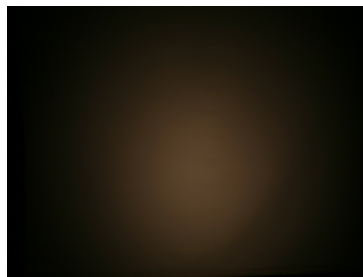
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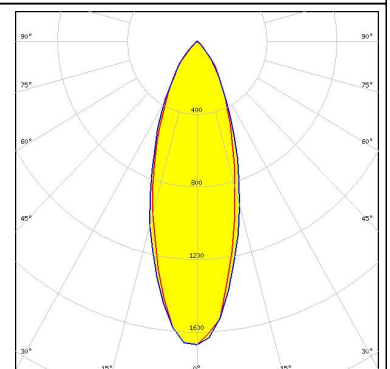
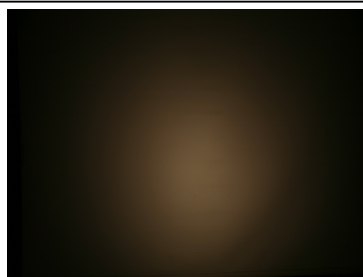
LED LUXEON 5050 Round LES  
 FWHM 38.0°  
 Efficiency 89 %  
 Peak intensity 1.500 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



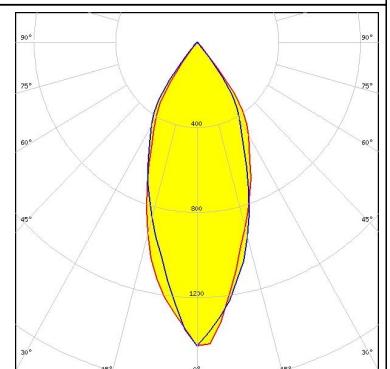
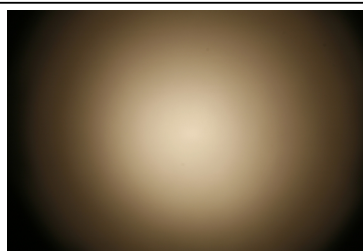
LED LUXEON A  
 FWHM 48.0°  
 Efficiency 80 %  
 Peak intensity 1.030 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C12479\_MIRELLA-DL



LED LUXEON A  
 FWHM 30.0°  
 Efficiency 86 %  
 Peak intensity 1.670 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



LED LUXEON A  
 FWHM 41.0°  
 Efficiency 84 %  
 Peak intensity 1.400 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C13333\_MIRELLA-CL

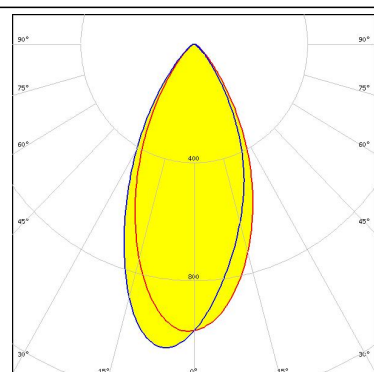
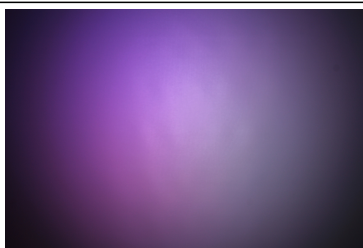




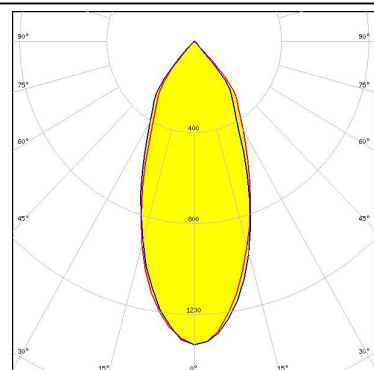
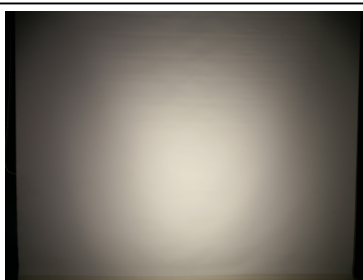
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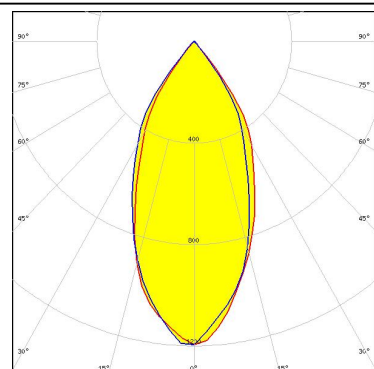
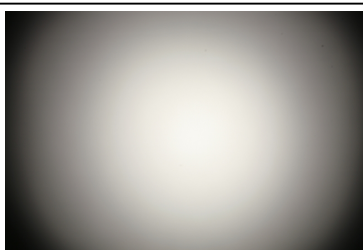
LED LUXEON C  
FWHM 47.0°  
Efficiency 77 %  
Peak intensity 1.030 cd/lm  
LEDs/each optic 4  
Light colour RGBW  
Required components:  
C13723\_MIRELLA-RZL



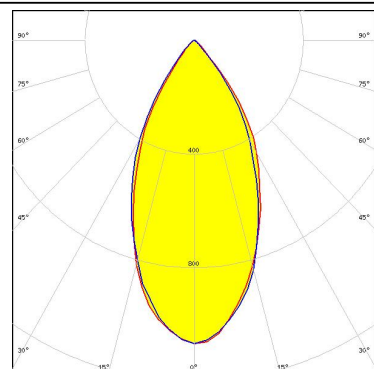
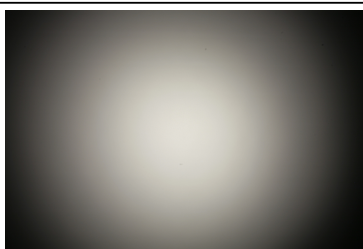
LED LUXEON M/MX  
FWHM 39.0°  
Efficiency 87 %  
Peak intensity 1.400 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



LED LUXEON M/MX  
FWHM 47.0°  
Efficiency 83 %  
Peak intensity 1.200 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C13333\_MIRELLA-CL



LED LUXEON M/MX  
FWHM 54.0°  
Efficiency 80 %  
Peak intensity 0.980 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C12479\_MIRELLA-DL

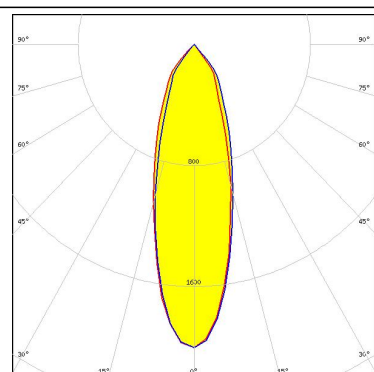
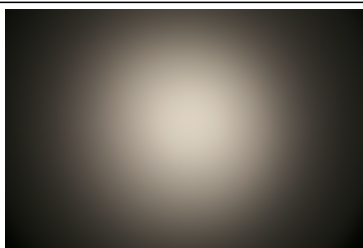




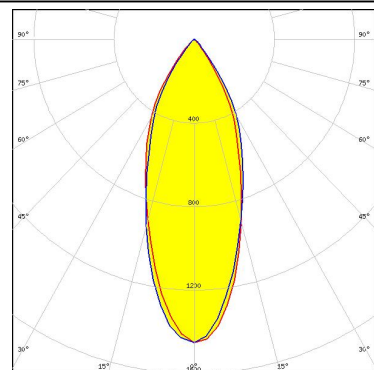
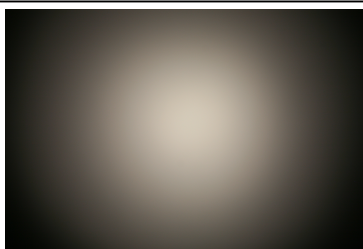
#### PHOTOMETRIC DATA (MEASURED):



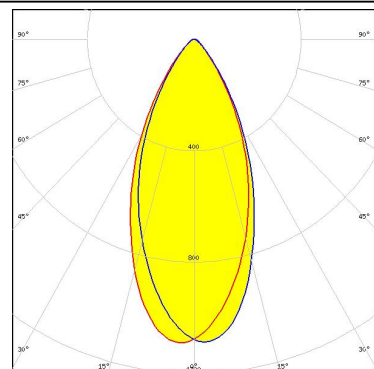
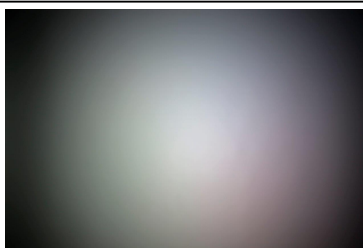
LED LUXEON MZ  
FWHM 32.0°  
Efficiency 87 %  
Peak intensity 2.000 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



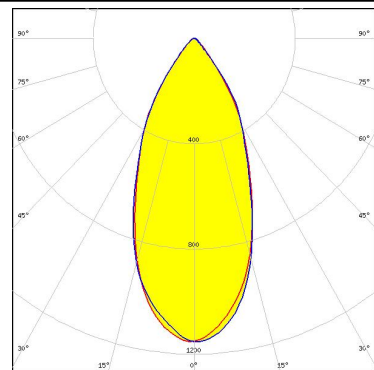
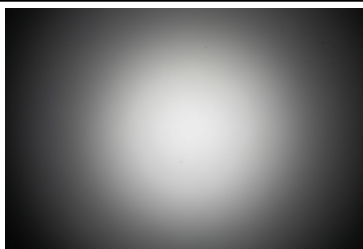
LED LUXEON MZ  
FWHM 40.0°  
Efficiency 82 %  
Peak intensity 1.500 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C12479\_MIRELLA-DL



LED LUXEON Z  
FWHM 46.0°  
Efficiency 80 %  
Peak intensity 1.100 cd/lm  
LEDs/each optic 4  
Light colour RGBW  
Required components:  
C13723\_MIRELLA-RZL



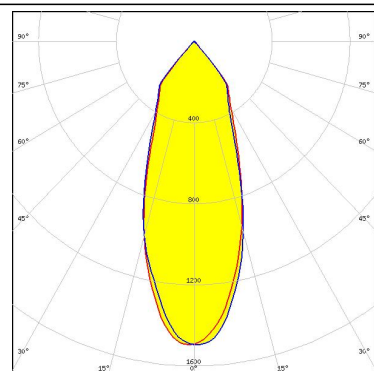
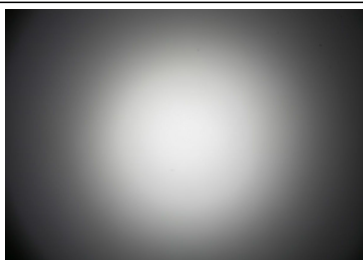
LED NS9x383  
FWHM 46.0°  
Efficiency 83 %  
Peak intensity 1.150 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C12479\_MIRELLA-DL



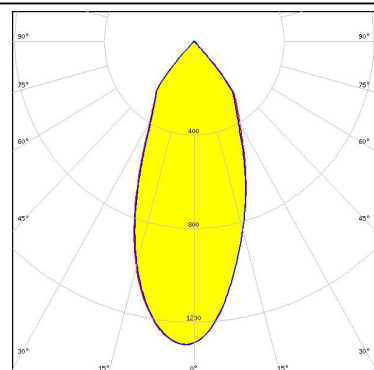
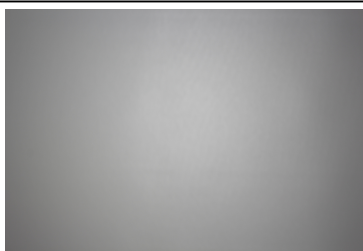
#### PHOTOMETRIC DATA (MEASURED):



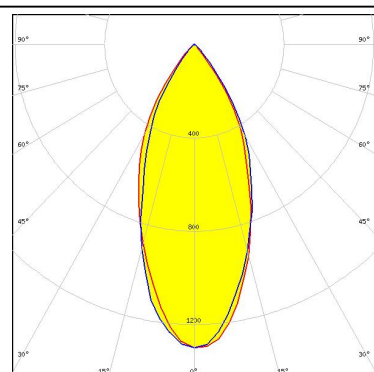
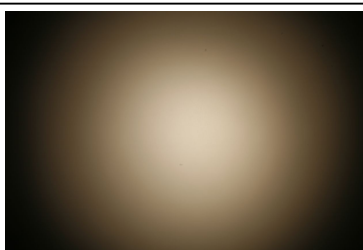
LED NS9x383  
FWHM 39.0°  
Efficiency 89 %  
Peak intensity 1.500 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



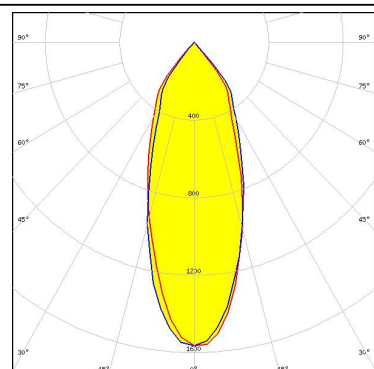
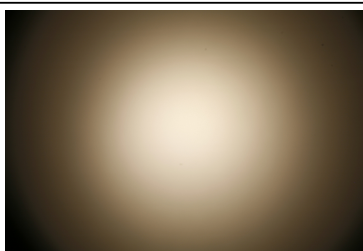
LED NV4x144A  
FWHM 43.0°  
Efficiency 87 %  
Peak intensity 1.300 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



LED Duris S8  
FWHM 44.0°  
Efficiency 83 %  
Peak intensity 1.300 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C12479\_MIRELLA-DL



LED Duris S8  
FWHM 39.0°  
Efficiency 88 %  
Peak intensity 1.600 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:

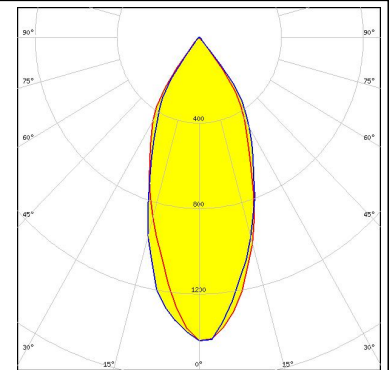


#### PHOTOMETRIC DATA (MEASURED):

##### OSRAM

Opto Semiconductors

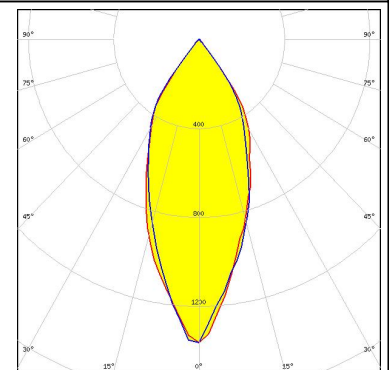
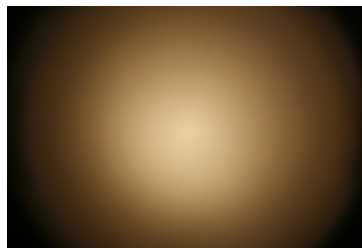
LED Duris S8  
 FWHM 42.0°  
 Efficiency 84 %  
 Peak intensity 1.400 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C13333\_MIRELLA-CL



##### OSRAM

Opto Semiconductors

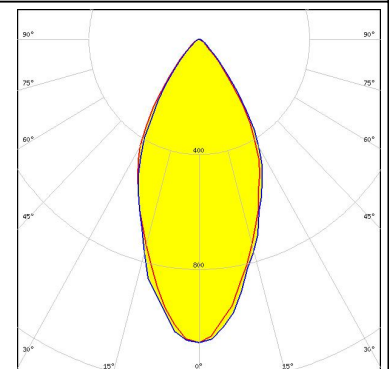
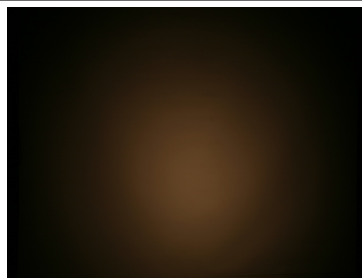
LED OSLOM Square EC  
 FWHM 41.0°  
 Efficiency 83 %  
 Peak intensity 1.400 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C13333\_MIRELLA-CL



##### OSRAM

Opto Semiconductors

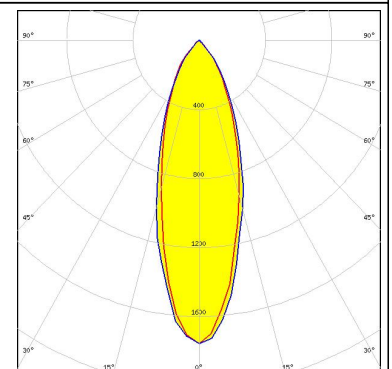
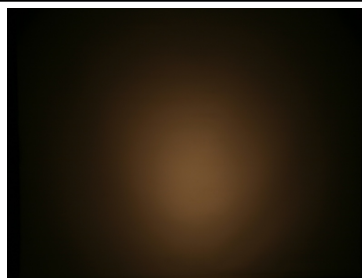
LED OSLOM Square EC  
 FWHM 50.0°  
 Efficiency 79 %  
 Peak intensity 1.060 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C12479\_MIRELLA-DL



##### OSRAM

Opto Semiconductors

LED OSLOM Square EC  
 FWHM 32.0°  
 Efficiency 85 %  
 Peak intensity 1.760 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:

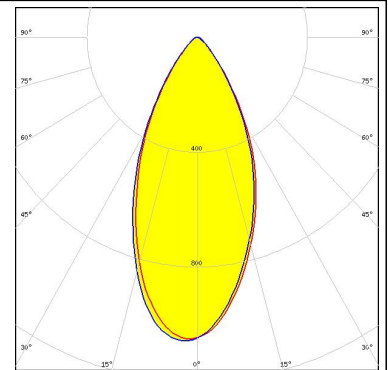
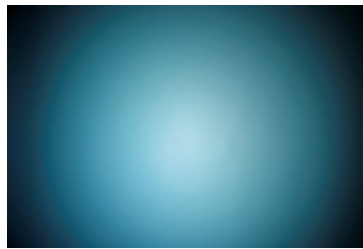


#### PHOTOMETRIC DATA (MEASURED):

##### OSRAM

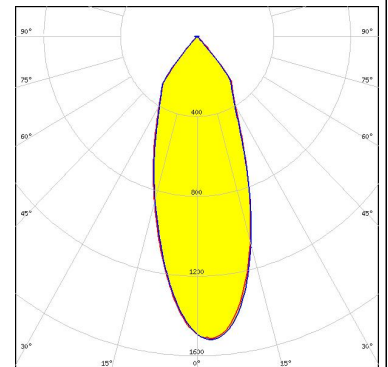
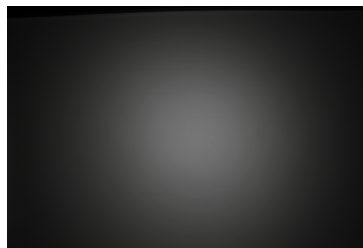
Opto Semiconductors

LED Ostar-SMT RGB  
FWHM 48.0°  
Efficiency 81 %  
Peak intensity 1.100 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C13723\_MIRELLA-RZL



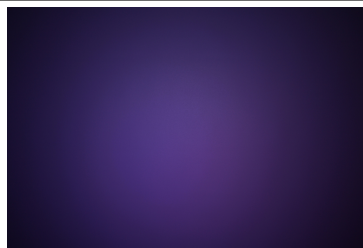
##### SAMSUNG

LED LH508A  
FWHM 38.0°  
Efficiency 87 %  
Peak intensity 1.500 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



SEOUL SEMICONDUCTOR

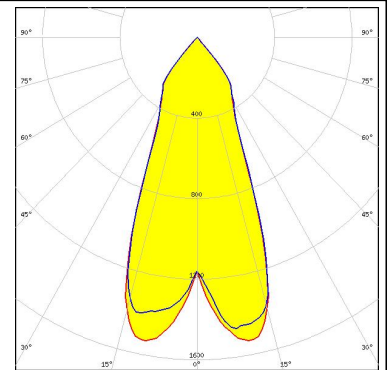
LED F50360 (RGB)  
FWHM 46.0°  
Efficiency 81 %  
Peak intensity 1.200 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C13723\_MIRELLA-RZL



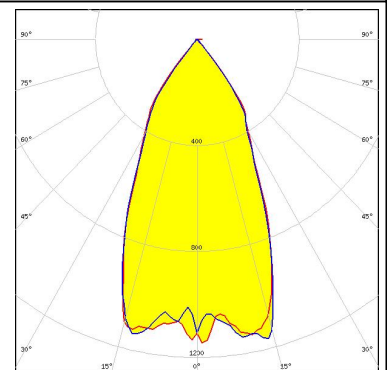
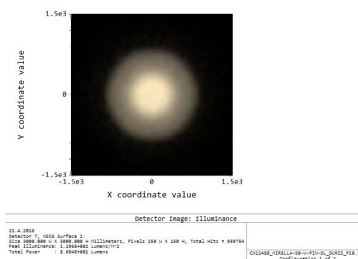
#### PHOTOMETRIC DATA (SIMULATED):



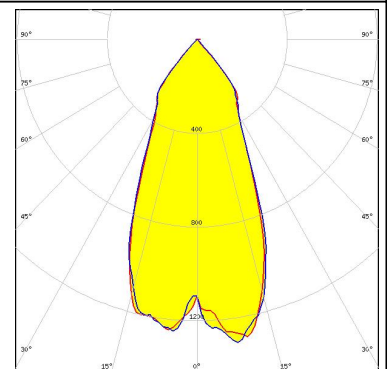
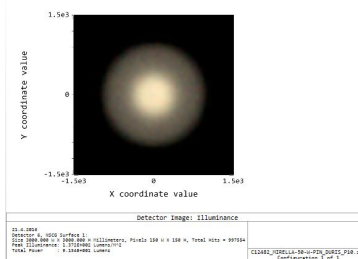
LED LUXEON 5258  
FWHM 41.0°  
Efficiency 91 %  
Peak intensity 1.500 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



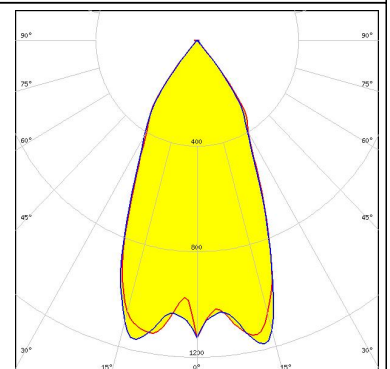
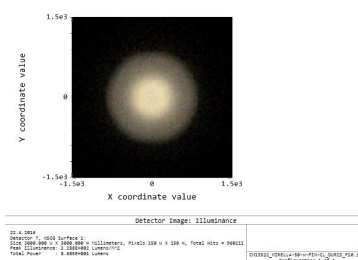
LED OSCONIQ P 7070  
FWHM 50.0°  
Efficiency 87 %  
Peak intensity 1.200 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C12479\_MIRELLA-DL



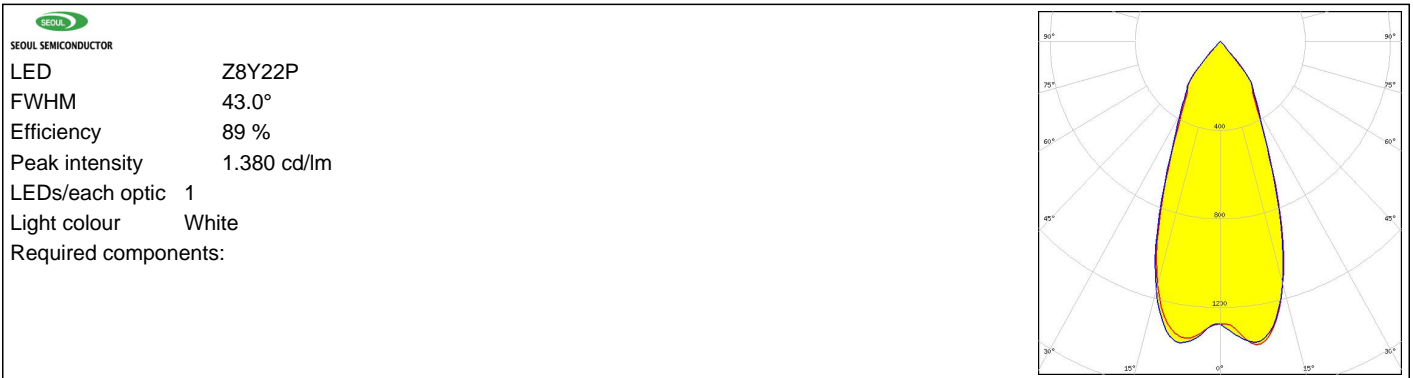
LED OSCONIQ P 7070  
FWHM 45.0°  
Efficiency 91 %  
Peak intensity 1.320 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



LED OSCONIQ P 7070  
FWHM 46.0°  
Efficiency 87 %  
Peak intensity 1.190 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C13333\_MIRELLA-CL



### PHOTOMETRIC DATA (SIMULATED):





### 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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