

## MIRELLA-50-W-PIN

~40° wide beam

### TECHNICAL SPECIFICATIONS:

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

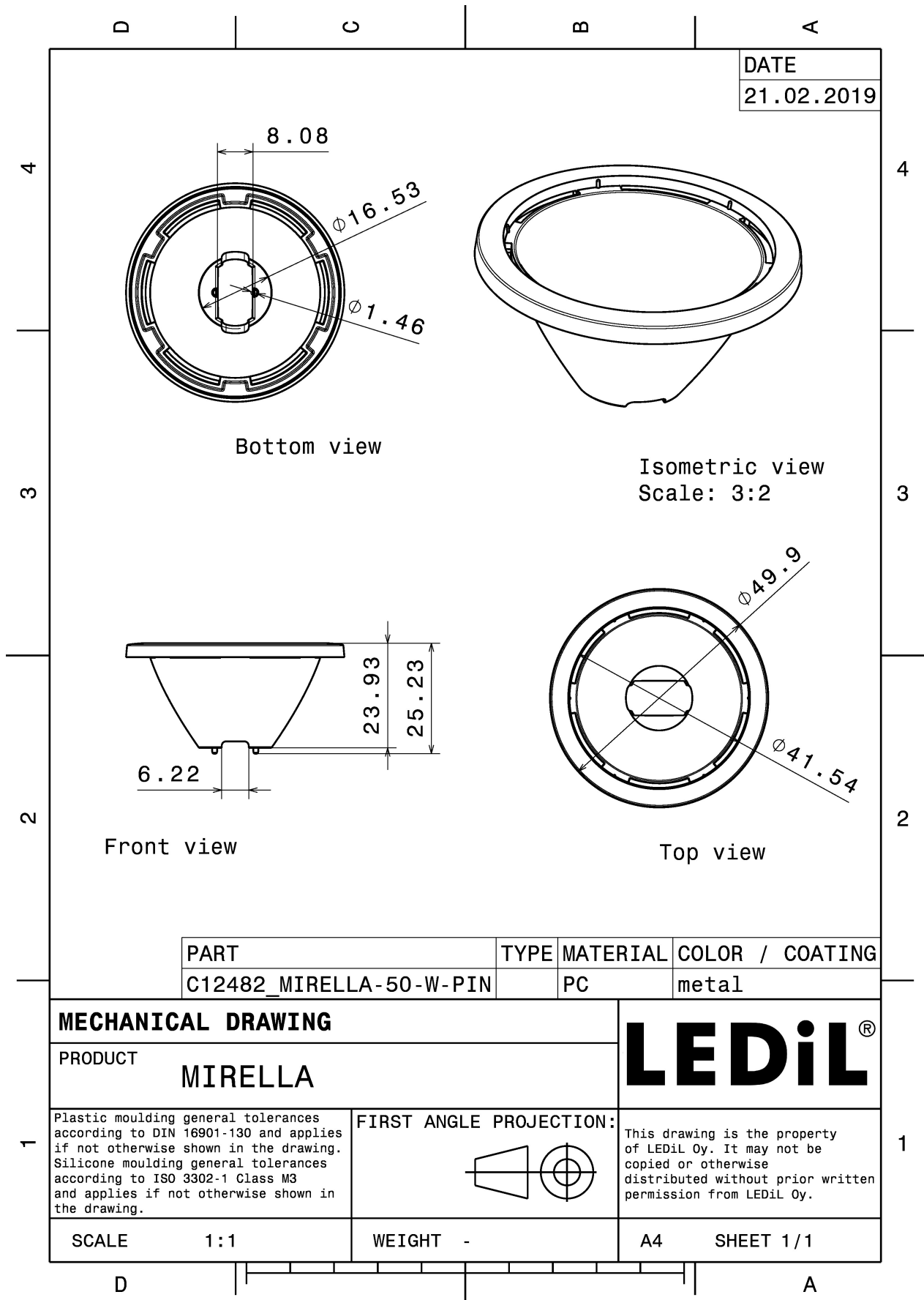
### MATERIAL SPECIFICATIONS:

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





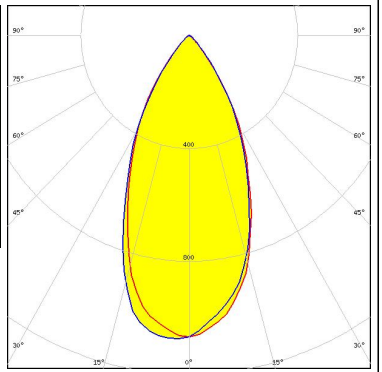


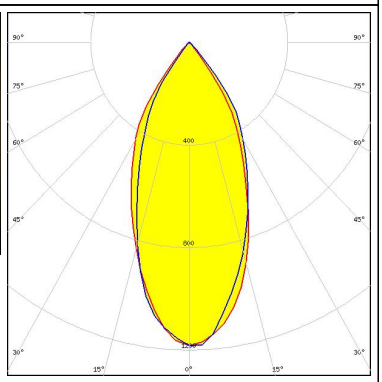




### ORDERING INFORMATION:

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



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

#### PHOTOMETRIC DATA (MEASURED):

<p></p> <p>LED SM4            FWHM / FWTM 49.0° / 82.0°            Efficiency 77 %            Peak intensity 1.1 cd/m            LEDs/each optic 1            Light colour White            Required components:            C12479_MIRELLA-DL</p>		
<p></p> <p>LED SM4            FWHM / FWTM 44.0° / 78.0°            Efficiency 78 %            Peak intensity 1.2 cd/m            LEDs/each optic 1            Light colour White            Required components:            C13333_MIRELLA-CL</p>		
<p></p> <p>LED MHB-A/B            FWHM / FWTM 51.0° / 84.0°            Efficiency 82 %            Peak intensity 1.2 cd/m            LEDs/each optic 1            Light colour White            Required components:            C12479_MIRELLA-DL</p>		
<p></p> <p>LED MHB-A/B            FWHM / FWTM 45.0° / 88.0°            Efficiency 87 %            Peak intensity 1.4 cd/m            LEDs/each optic 1            Light colour White            Required components:</p>		

#### PHOTOMETRIC DATA (MEASURED):

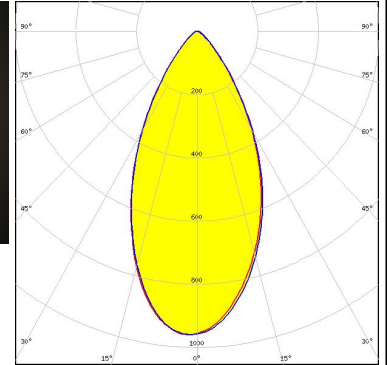
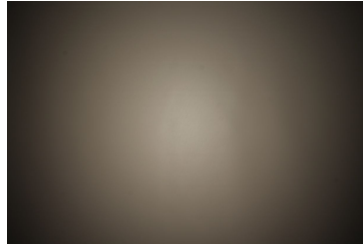
##### CREE LED

LED MHB-A/B  
 FWHM / FWTM 49.0° / 82.0°  
 Efficiency 82 %  
 Peak intensity 1.2 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C13333\_MIRELLA-CL



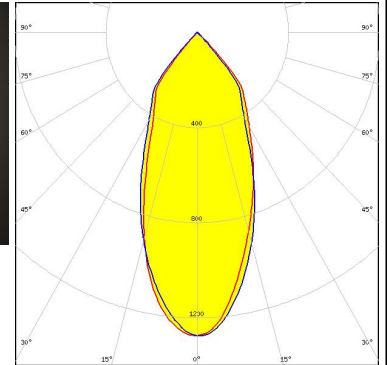
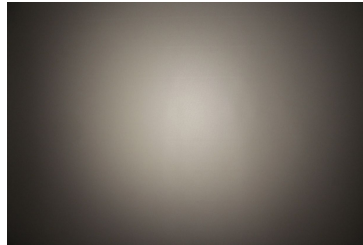
##### CREE LED

LED XHP50  
 FWHM / FWTM 51.0° / 88.0°  
 Efficiency 81 %  
 Peak intensity 1 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C13723\_MIRELLA-RZL



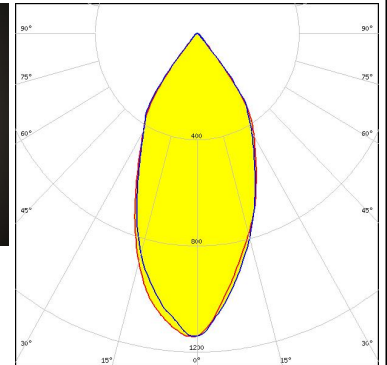
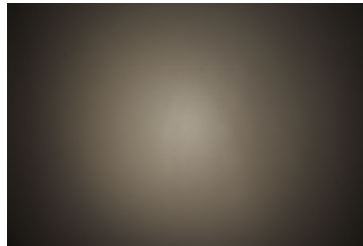
##### CREE LED

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

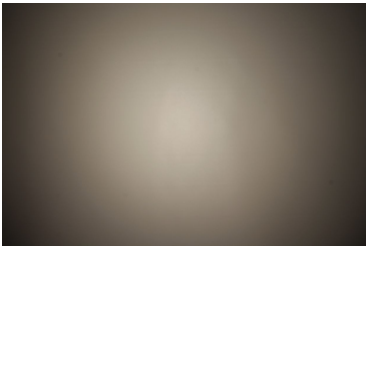
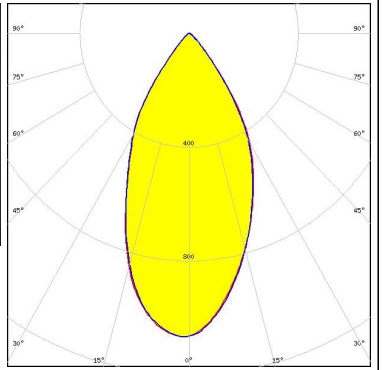

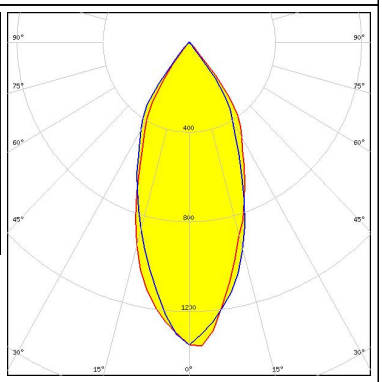

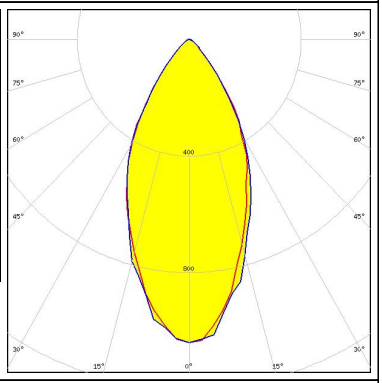

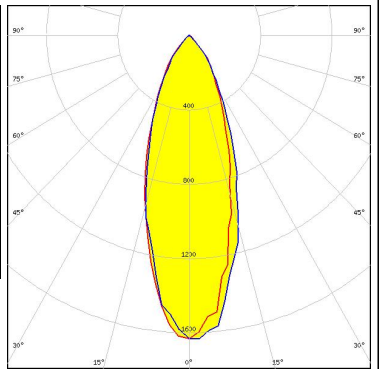


##### CREE LED

LED XHP50  
 FWHM / FWTM 48.0° / 80.0°  
 Efficiency 83 %  
 Peak intensity 1.1 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C13333\_MIRELLA-CL



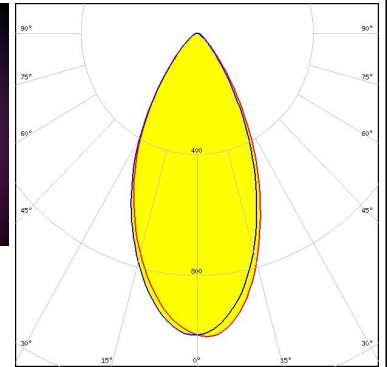
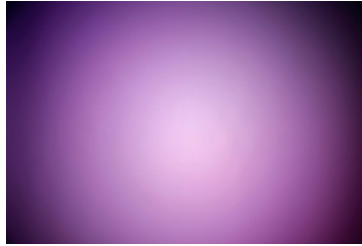
#### PHOTOMETRIC DATA (MEASURED):

<p><b>CREE</b> → <b>LED</b></p> <p>LED XHP50            FWHM / FWTM 51.0° / 83.0°            Efficiency 84 %            Peak intensity 1.1 cd/lm            LEDs/each optic 1            Light colour White            Required components:            C12479_MIRELLA-DL</p>		
<p><b>CREE</b> → <b>LED</b></p> <p>LED XM-L            FWHM / FWTM 45.0° / 79.0°            Efficiency 86 %            Peak intensity 1.4 cd/lm            LEDs/each optic 1            Light colour White            Required components:            C13333_MIRELLA-CL</p>		
<p><b>CREE</b> → <b>LED</b></p> <p>LED XM-L            FWHM / FWTM 46.0° / 86.0°            Efficiency 80 %            Peak intensity 1 cd/lm            LEDs/each optic 1            Light colour White            Required components:            C12479_MIRELLA-DL</p>		
<p><b>CREE</b> → <b>LED</b></p> <p>LED XM-L            FWHM / FWTM 32.0° / 80.0°            Efficiency 88 %            Peak intensity 1.6 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>		

#### PHOTOMETRIC DATA (MEASURED):

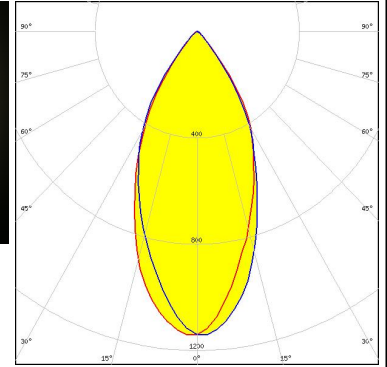
##### CREE LED

LED XM-L RGB  
 FWHM / FWTM 50.0° / 87.0°  
 Efficiency 81 %  
 Peak intensity 1 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C13723\_MIRELLA-RZL



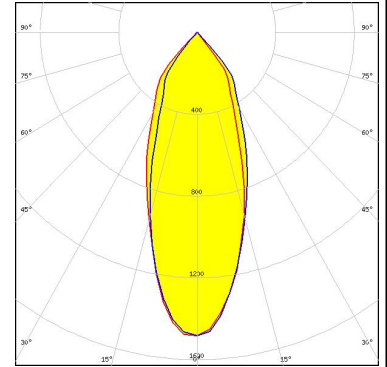
##### CREE LED

LED XM-L2  
 FWHM / FWTM 49.0° / 83.0°  
 Efficiency 81 %  
 Peak intensity 1.1 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C12479\_MIRELLA-DL



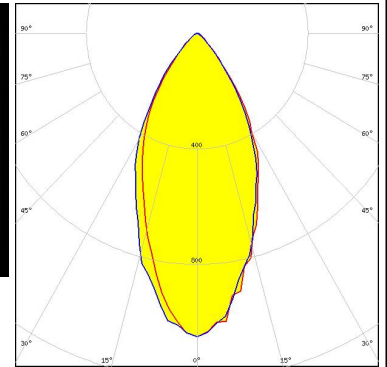
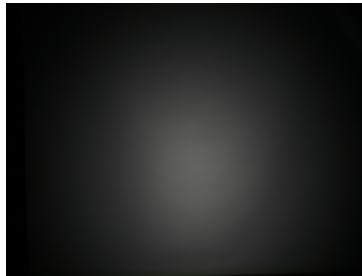
##### CREE LED

LED XM-L2  
 FWHM / FWTM 39.0° / 83.0°  
 Efficiency 89 %  
 Peak intensity 1.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



##### CREE LED

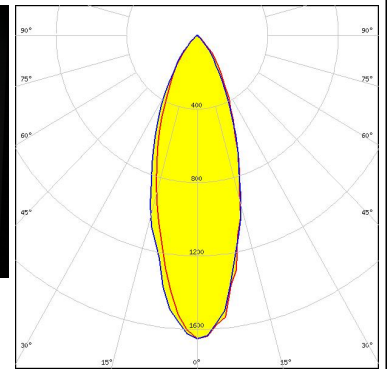
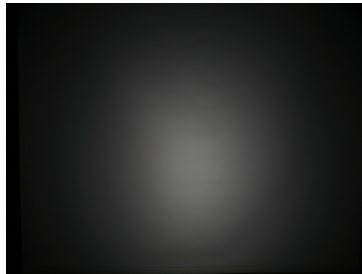
LED XP-G  
 FWHM / FWTM 50.0° / 86.0°  
 Efficiency 80 %  
 Peak intensity 1.1 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C12479\_MIRELLA-DL



#### PHOTOMETRIC DATA (MEASURED):

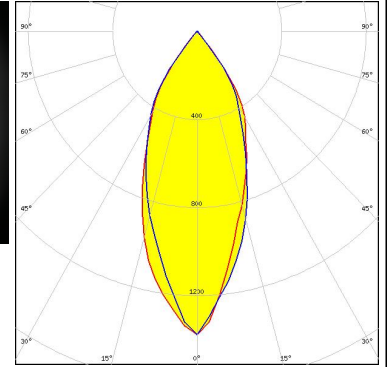
##### CREE → LED

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



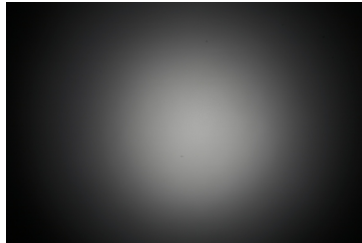
##### CREE → LED

LED XP-G  
 FWHM / FWTM 41.0° / 79.0°  
 Efficiency 81 %  
 Peak intensity 1.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C13333\_MIRELLA-CL



##### CREE → LED

LED XP-G2  
 FWHM / FWTM 45.0° / 81.0°  
 Efficiency 83 %  
 Peak intensity 1.3 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C12479\_MIRELLA-DL



##### CREE → LED

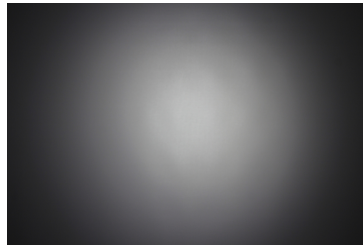
LED XP-G2  
 FWHM / FWTM 36.0° / 84.0°  
 Efficiency 88 %  
 Peak intensity 1.7 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### PHOTOMETRIC DATA (MEASURED):

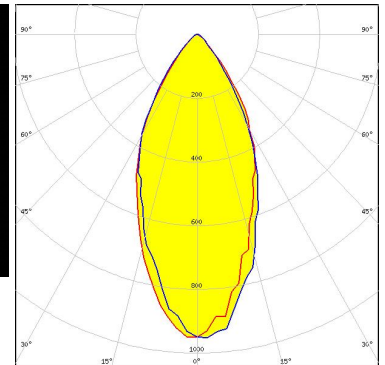
##### CREE LED

LED XP-L HI  
 FWHM / FWTM 35.0° / 84.0°  
 Efficiency 87 %  
 Peak intensity 1.7 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



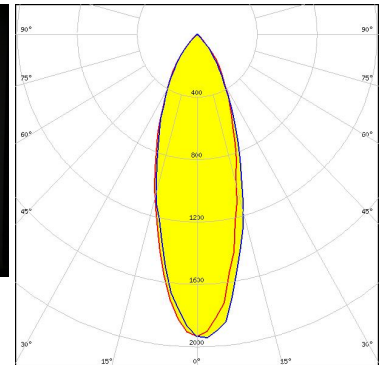
##### CREE LED

LED XT-E  
 FWHM / FWTM 46.0° / 86.0°  
 Efficiency 77 %  
 Peak intensity 1 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C12479\_MIRELLA-DL



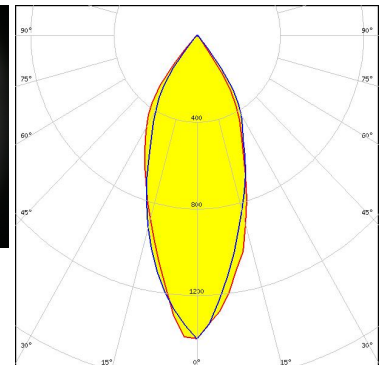
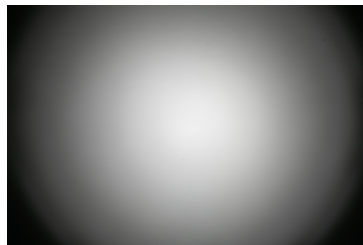
##### CREE LED

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




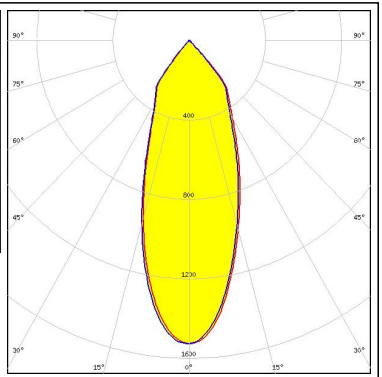
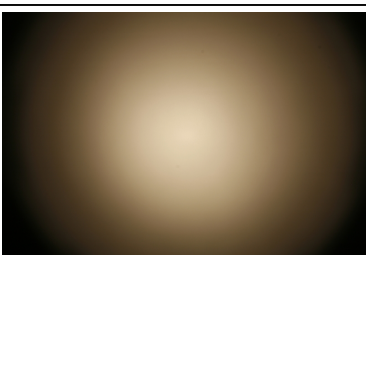
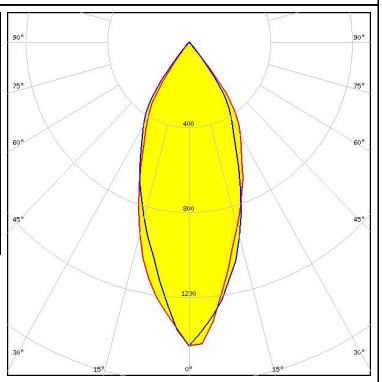

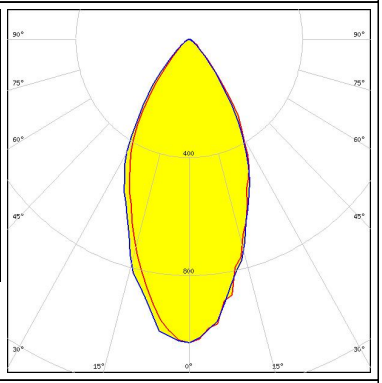

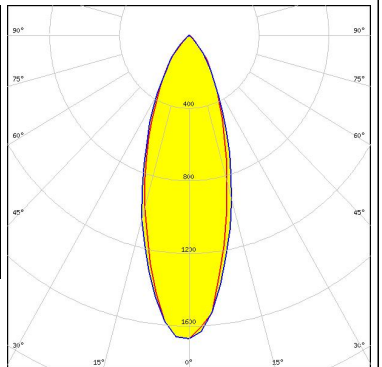
##### CREE LED

LED XT-E  
 FWHM / FWTM 41.0° / 77.0°  
 Efficiency 83 %  
 Peak intensity 1.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C13333\_MIRELLA-CL

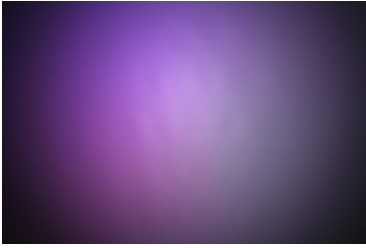
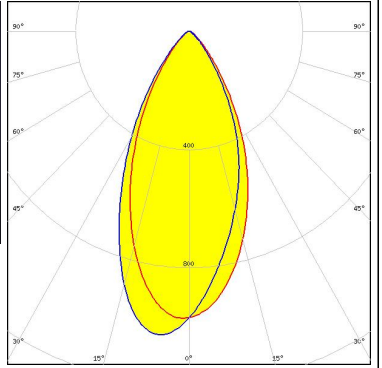
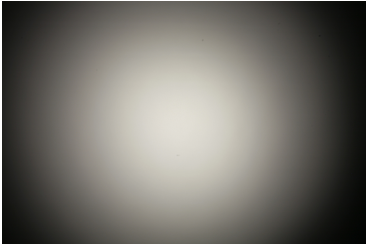
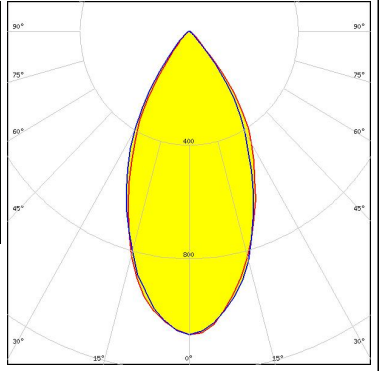
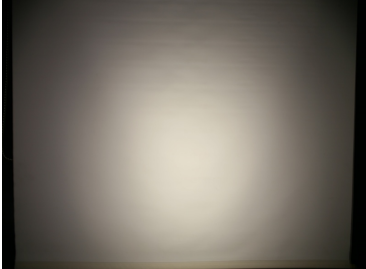
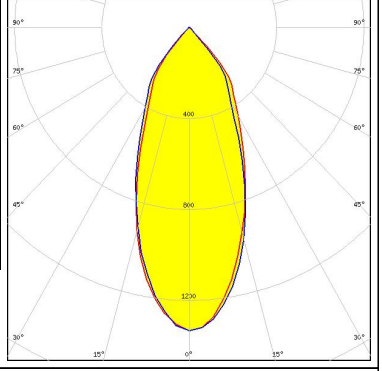
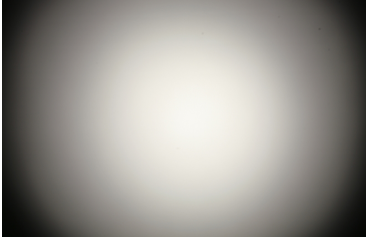
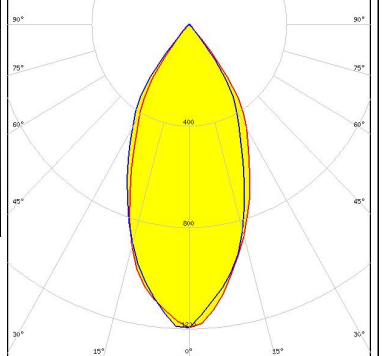




#### PHOTOMETRIC DATA (MEASURED):

<p><b>LUMILEDS</b></p> <p>LED LUXEON 5050 Round LES</p> <p>FWHM / FWTM 38.0° / 83.0°</p> <p>Efficiency 89 %</p> <p>Peak intensity 1.5 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		
<p><b>LUMILEDS</b></p> <p>LED LUXEON A</p> <p>FWHM / FWTM 41.0° / 78.0°</p> <p>Efficiency 84 %</p> <p>Peak intensity 1.4 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: C13333_MIRELLA-CL</p>		
<p><b>LUMILEDS</b></p> <p>LED LUXEON A</p> <p>FWHM / FWTM 48.0° / 86.0°</p> <p>Efficiency 80 %</p> <p>Peak intensity 1 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: C12479_MIRELLA-DL</p>		
<p><b>LUMILEDS</b></p> <p>LED LUXEON A</p> <p>FWHM / FWTM 30.0° / 76.0°</p> <p>Efficiency 86 %</p> <p>Peak intensity 1.7 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		

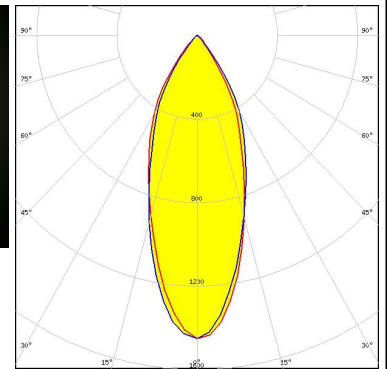
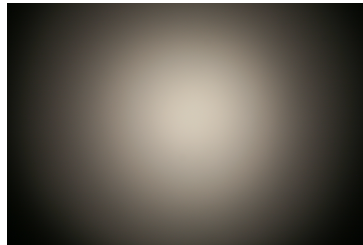
#### PHOTOMETRIC DATA (MEASURED):

<p><b>LUMILEDS</b></p> <p>LED LUXEON C</p> <p>FWHM / FWTM 47.0° / 85.0°</p> <p>Efficiency 77 %</p> <p>Peak intensity 1 cd/lm</p> <p>LEDs/each optic 4</p> <p>Light colour RGBW</p> <p>Required components: C13723_MIRELLA-RZL</p>		
<p><b>LUMILEDS</b></p> <p>LED LUXEON M/MX</p> <p>FWHM / FWTM 54.0° / 90.0°</p> <p>Efficiency 80 %</p> <p>Peak intensity 1 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: C12479_MIRELLA-DL</p>		
<p><b>LUMILEDS</b></p> <p>LED LUXEON M/MX</p> <p>FWHM / FWTM 39.0° / 84.0°</p> <p>Efficiency 87 %</p> <p>Peak intensity 1.4 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		
<p><b>LUMILEDS</b></p> <p>LED LUXEON M/MX</p> <p>FWHM / FWTM 47.0° / 80.0°</p> <p>Efficiency 83 %</p> <p>Peak intensity 1.2 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: C13333_MIRELLA-CL</p>		

#### PHOTOMETRIC DATA (MEASURED):

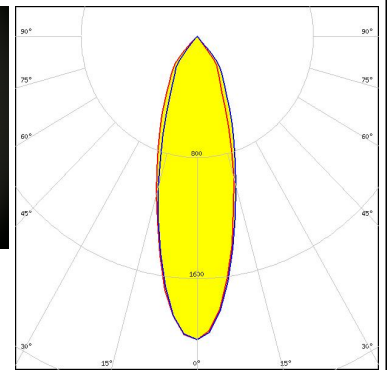
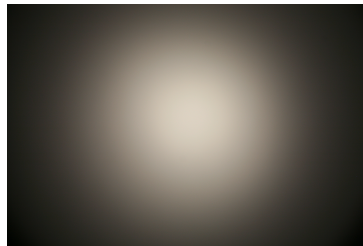
#### LUMILEDS

LED LUXEON MZ  
 FWHM / FWTM 40.0° / 77.0°  
 Efficiency 82 %  
 Peak intensity 1.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C12479\_MIRELLA-DL



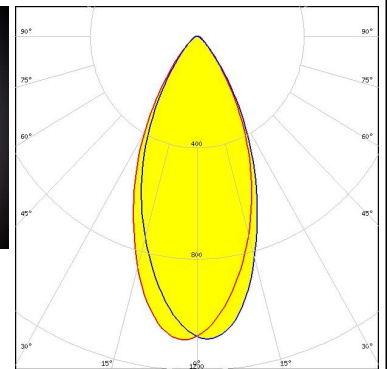
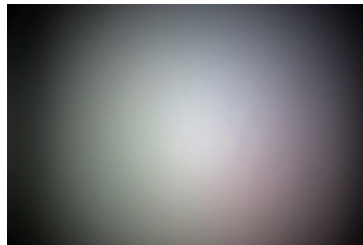
#### LUMILEDS

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



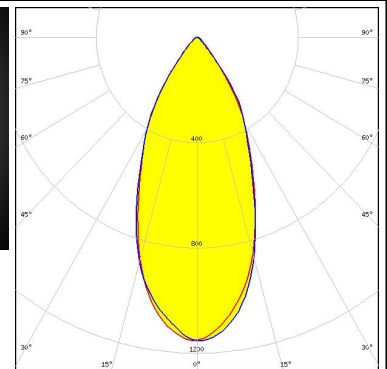
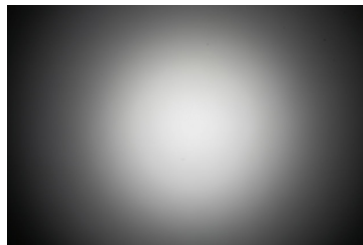
#### LUMILEDS

LED LUXEON Z  
 FWHM / FWTM 46.0° / 84.0°  
 Efficiency 80 %  
 Peak intensity 1.1 cd/lm  
 LEDs/each optic 4  
 Light colour RGBW  
 Required components:  
 C13723\_MIRELLA-RZL



#### NICHIA

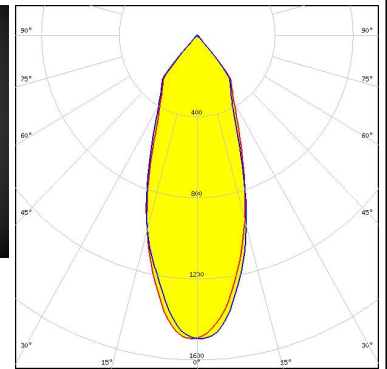
LED NS9x383  
 FWHM / FWTM 46.0° / 81.0°  
 Efficiency 83 %  
 Peak intensity 1.2 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C12479\_MIRELLA-DL



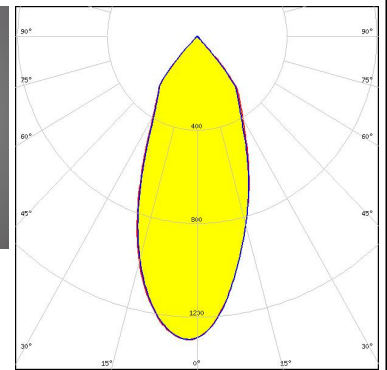
#### PHOTOMETRIC DATA (MEASURED):



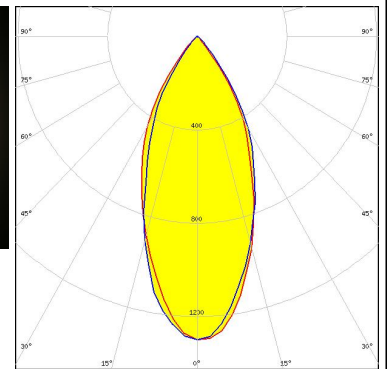
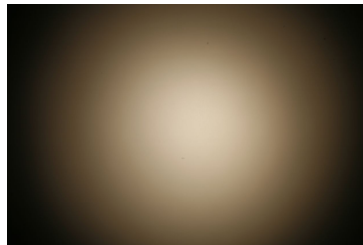
LED NS9x383  
 FWHM / FWTM 39.0° / 84.0°  
 Efficiency 89 %  
 Peak intensity 1.5 cd/m  
 LEDs/each optic 1  
 Light colour White  
 Required components:



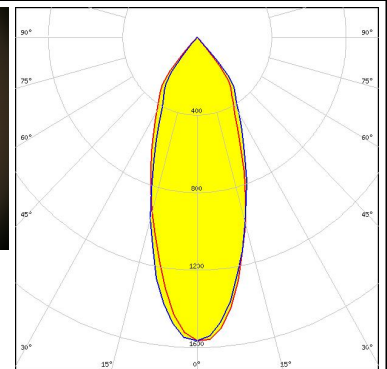
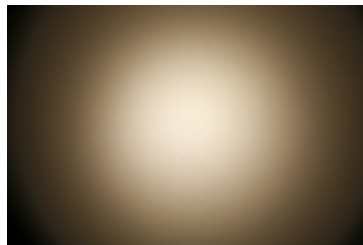
LED NV4x144A  
 FWHM / FWTM 43.0° / 85.0°  
 Efficiency 87 %  
 Peak intensity 1.3 cd/m  
 LEDs/each optic 1  
 Light colour White  
 Required components:




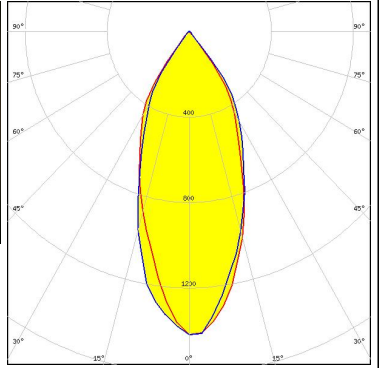
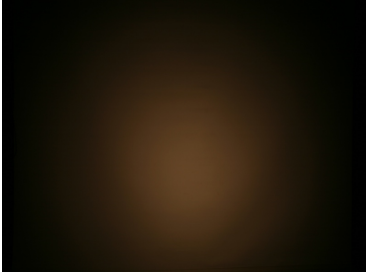
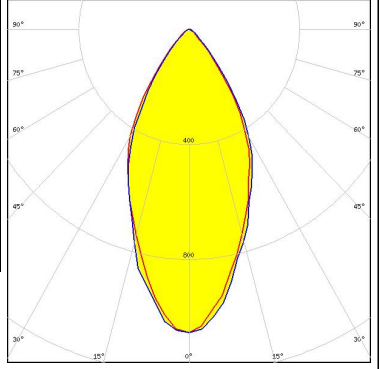
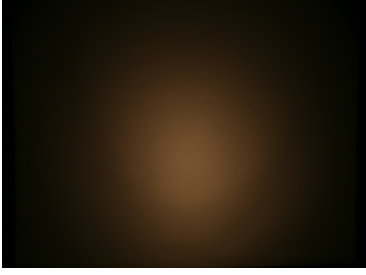
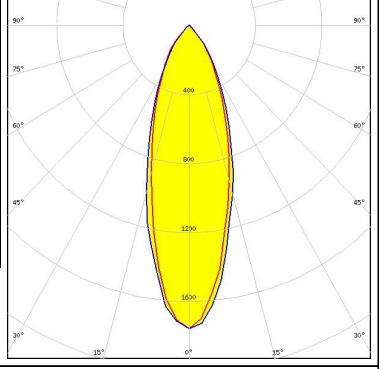

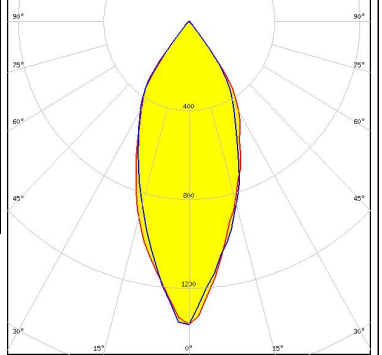
LED Duris S8  
 FWHM / FWTM 44.0° / 75.0°  
 Efficiency 83 %  
 Peak intensity 1.3 cd/m  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C12479\_MIRELLA-DL



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



#### PHOTOMETRIC DATA (MEASURED):

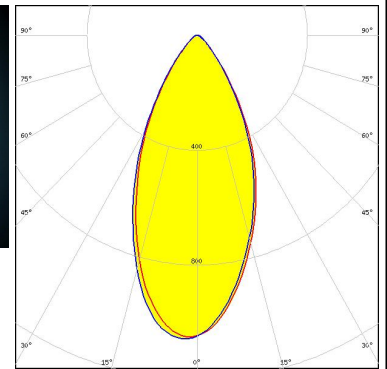
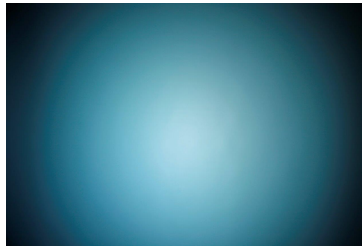
<p><b>OSRAM</b> Opto Semiconductors</p> <p>LED Duris S8</p> <p>FWHM / FWTM 42.0° / 78.0°</p> <p>Efficiency 84 %</p> <p>Peak intensity 1.4 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: C13333_MIRELLA-CL</p>		
<p><b>OSRAM</b> Opto Semiconductors</p> <p>LED OSLOM Square EC</p> <p>FWHM / FWTM 50.0° / 85.0°</p> <p>Efficiency 79 %</p> <p>Peak intensity 1.1 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: C12479_MIRELLA-DL</p>		
<p><b>OSRAM</b> Opto Semiconductors</p> <p>LED OSLOM Square EC</p> <p>FWHM / FWTM 32.0° / 76.0°</p> <p>Efficiency 85 %</p> <p>Peak intensity 1.8 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		
<p><b>OSRAM</b> Opto Semiconductors</p> <p>LED OSLOM Square EC</p> <p>FWHM / FWTM 41.0° / 78.0°</p> <p>Efficiency 83 %</p> <p>Peak intensity 1.4 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: C13333_MIRELLA-CL</p>		

#### PHOTOMETRIC DATA (MEASURED):

#### OSRAM

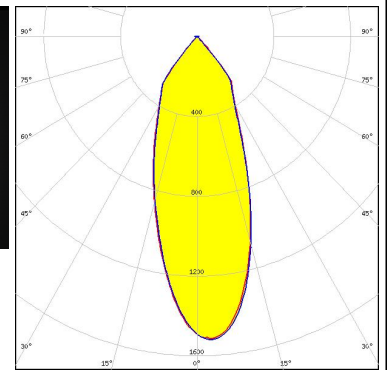
Opto Semiconductors

LED Ostar-SMT RGB  
 FWHM / FWTM 48.0° / 85.0°  
 Efficiency 81 %  
 Peak intensity 1.1 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C13723\_MIRELLA-RZL



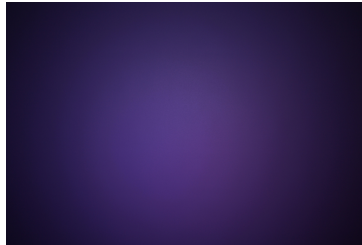
#### SAMSUNG

LED LH508A  
 FWHM / FWTM 38.0° / 82.0°  
 Efficiency 87 %  
 Peak intensity 1.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:


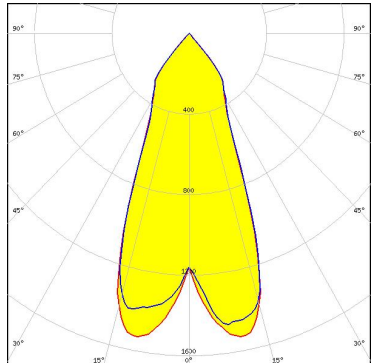

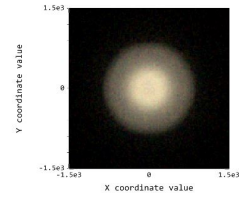
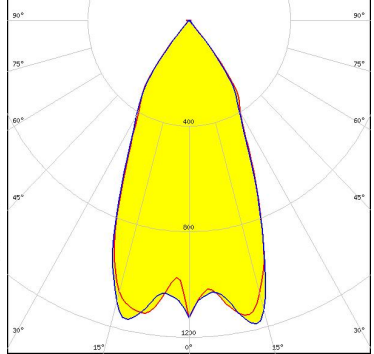

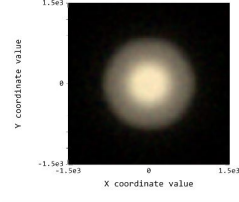
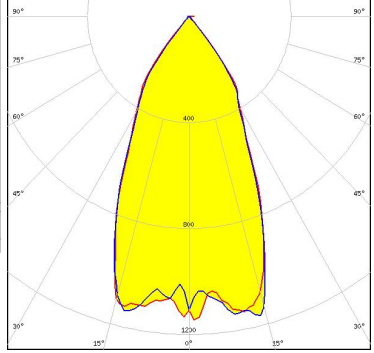

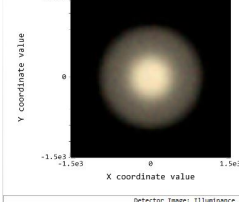
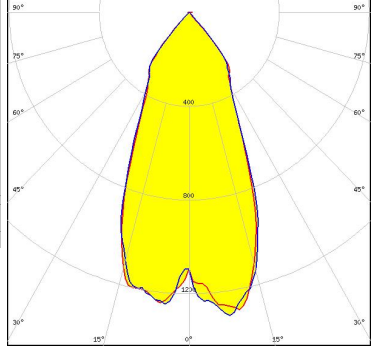


SEOUL SEMICONDUCTOR

LED F50360 (RGB)  
 FWHM / FWTM 46.0° / 86.0°  
 Efficiency 81 %  
 Peak intensity 1.2 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C13723\_MIRELLA-RZL



### PHOTOMETRIC DATA (SIMULATED):

 <p>LED LUXEON 5258            FWHM / FWTM 41.0° / 82.0°            Efficiency 91 %            Peak intensity 1.5 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>		
 <p>LED OSCONIQ P 7070            FWHM / FWTM 46.0° / 79.0°            Efficiency 87 %            Peak intensity 1.2 cd/lm            LEDs/each optic 1            Light colour White            Required components:            C13333_MIRELLA-CL</p>	 <p>detector image: Illuminance</p> <p>21.0.2018            Detector: 1: 1000 Surface: 1            Distance: 1000.000 mm            Field: 100.000 x 100.000 mm            Peak Intensity: 1.200000 cd/m²            Total Power: 1.200000 Lumens</p>	
 <p>LED OSCONIQ P 7070            FWHM / FWTM 50.0° / 81.0°            Efficiency 87 %            Peak intensity 1.2 cd/lm            LEDs/each optic 1            Light colour White            Required components:            C12479_MIRELLA-DL</p>	 <p>detector image: Illuminance</p> <p>21.0.2018            Detector: 1: 1000 Surface: 1            Distance: 1000.000 mm            Field: 100.000 x 100.000 mm            Peak Intensity: 1.200000 cd/m²            Total Power: 1.200000 Lumens</p>	
 <p>LED OSCONIQ P 7070            FWHM / FWTM 45.0° / 84.0°            Efficiency 91 %            Peak intensity 1.3 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>	 <p>detector image: Illuminance</p> <p>21.0.2018            Detector: 1: 1000 Surface: 1            Distance: 1000.000 mm            Field: 100.000 x 100.000 mm            Peak Intensity: 1.300000 cd/m²            Total Power: 1.300000 Lumens</p>	

#### PHOTOMETRIC DATA (SIMULATED):

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

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