

## MIRELLA-50-S

~15° spot beam

### TECHNICAL SPECIFICATIONS:

Dimensions	Ø 49.9 mm
Height	24 mm
Fastening	glue
ROHS compliant	yes ⓘ

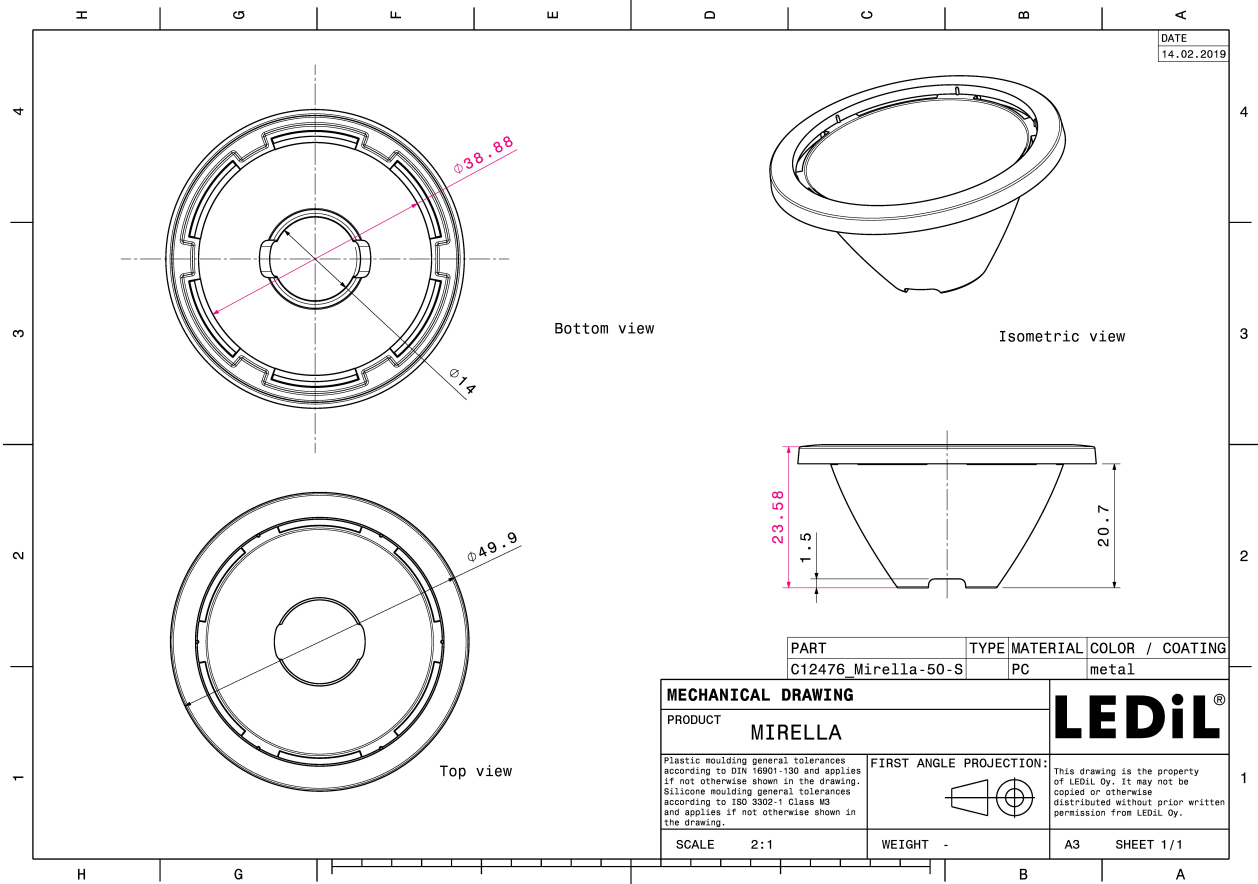
### MATERIAL SPECIFICATIONS:

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





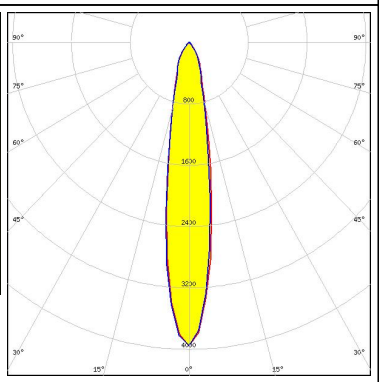

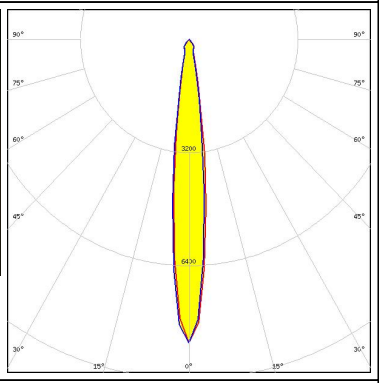

### ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
C12476_MIRELLA-50-S » Box size: 480 x 280 x 300 mm	336	112	28	3.0



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

#### PHOTOMETRIC DATA (MEASURED):

<p>bridgelux.</p> <p>LED BXRA LS</p> <p>FWHM / FWTM 14.0° / 28.0°</p> <p>Efficiency 84 %</p> <p>Peak intensity 6.7 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: C13333_MIRELLA-CL</p>		
<p>bridgelux.</p> <p>LED BXRA LS</p> <p>FWHM / FWTM 18.0° / 48.0°</p> <p>Efficiency 83 %</p> <p>Peak intensity 4 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: C12479_MIRELLA-DL</p>		
<p>bridgelux.</p> <p>LED BXRA LS</p> <p>FWHM / FWTM 13.0° / 27.0°</p> <p>Efficiency 89 %</p> <p>Peak intensity 8.6 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		
<h3>CITIZEN</h3> <p>LED CLL01x</p> <p>FWHM / FWTM 20.0° / 56.0°</p> <p>Efficiency %</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: C12479_MIRELLA-DL</p>		

#### PHOTOMETRIC DATA (MEASURED):

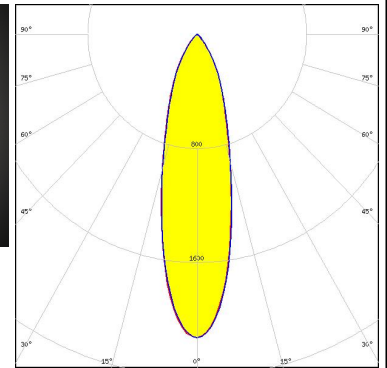
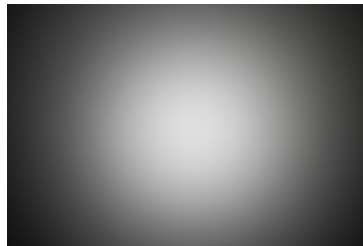
#### CITIZEN

LED CLL01x  
 FWHM / FWTM 17.0° / 32.0°  
 Efficiency 84 %  
 Peak intensity 5.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C13333\_MIRELLA-CL



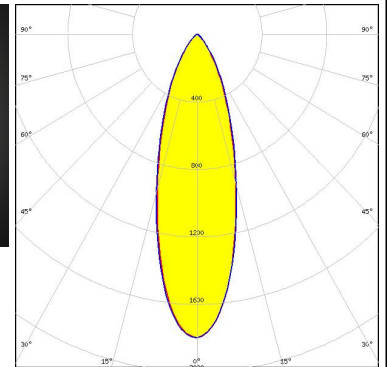
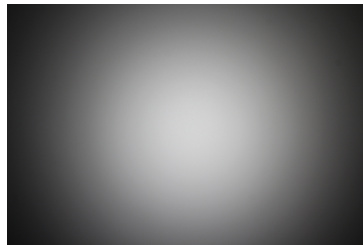
#### CITIZEN

LED CLL02x/CLU02x (LES10)  
 FWHM / FWTM 28.0° / 67.0°  
 Efficiency 82 %  
 Peak intensity 2.1 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C12479\_MIRELLA-DL



#### CITIZEN

LED CLL02x/CLU02x (LES10)  
 FWHM / FWTM 32.0° / 70.0°  
 Efficiency 81 %  
 Peak intensity 1.8 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C13723\_MIRELLA-RZL



#### CITIZEN

LED CLL02x/CLU02x (LES10)  
 FWHM / FWTM 20.0° / 48.0°  
 Efficiency 93 %  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### PHOTOMETRIC DATA (MEASURED):

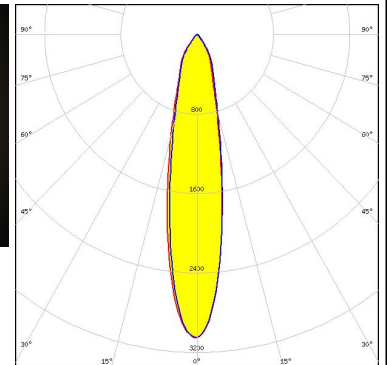
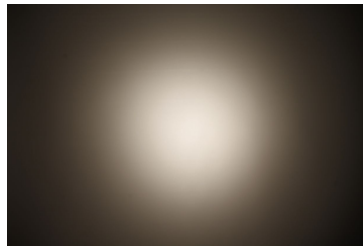
#### CITIZEN

LED CLL02x/CLU02x (LES10)  
 FWHM / FWTM 19.0° / 50.0°  
 Efficiency 84 %  
 Peak intensity 3.6 cd/m  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C13333\_MIRELLA-CL



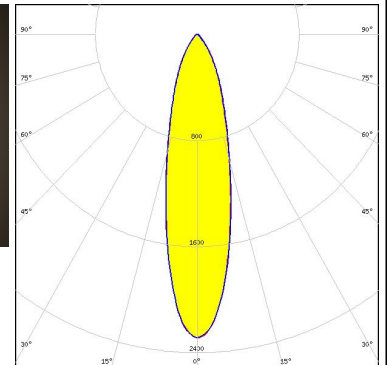
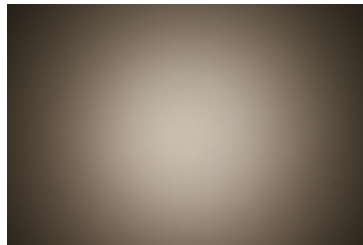
#### CITIZEN

LED CLU700/701/702  
 FWHM / FWTM 21.0° / 59.0°  
 Efficiency 84 %  
 Peak intensity 3.1 cd/m  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C12479\_MIRELLA-DL



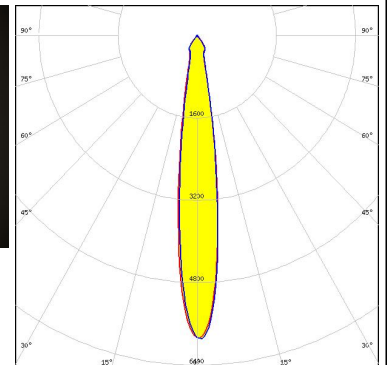
#### CITIZEN

LED CLU700/701/702  
 FWHM / FWTM 26.0° / 64.0°  
 Efficiency 83 %  
 Peak intensity 2.3 cd/m  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C13723\_MIRELLA-RZL



#### CITIZEN

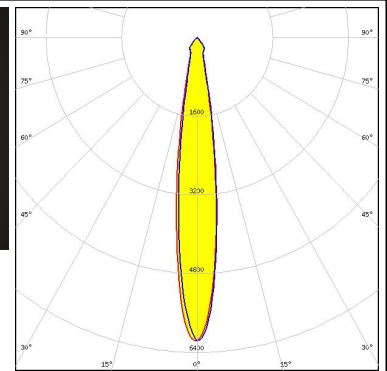
LED CLU700/701/702  
 FWHM / FWTM 15.0° / 32.0°  
 Efficiency 85 %  
 Peak intensity 5.9 cd/m  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C13333\_MIRELLA-CL



#### PHOTOMETRIC DATA (MEASURED):

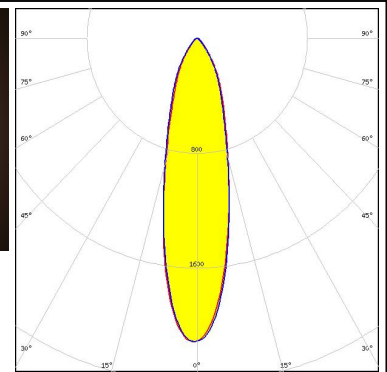
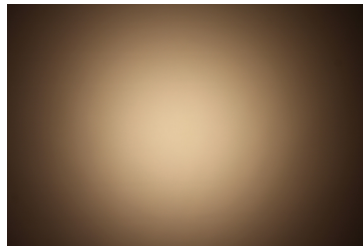
#### CITIZEN

LED CLU700/701/702  
 FWHM / FWTM 15.0° / 32.0°  
 Efficiency 90 %  
 Peak intensity 6.2 cd/m  
 LEDs/each optic 1  
 Light colour White  
 Required components:



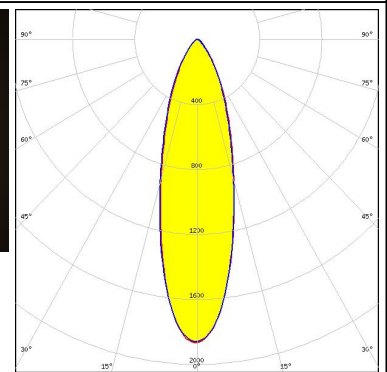
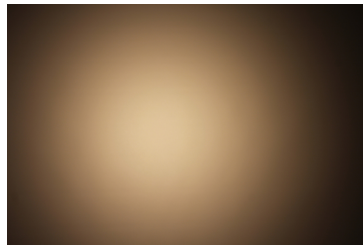
#### CITIZEN

LED CLU710/711  
 FWHM / FWTM 26.0° / 67.0°  
 Efficiency 83 %  
 Peak intensity 2.1 cd/m  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C12479\_MIRELLA-DL



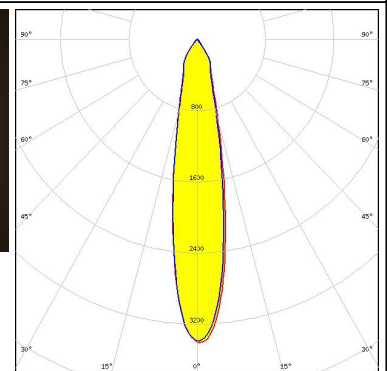
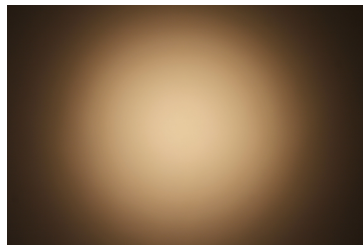
#### CITIZEN

LED CLU710/711  
 FWHM / FWTM 29.0° / 69.0°  
 Efficiency 83 %  
 Peak intensity 1.9 cd/m  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C13723\_MIRELLA-RZL



#### CITIZEN

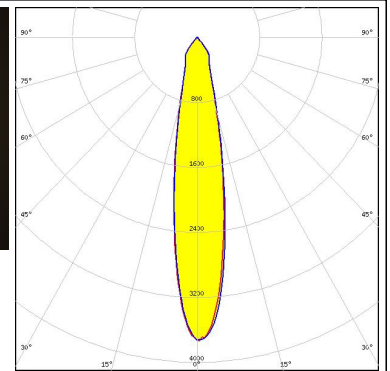
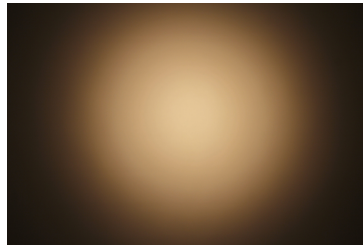
LED CLU710/711  
 FWHM / FWTM 20.0° / 54.0°  
 Efficiency 85 %  
 Peak intensity 3.4 cd/m  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C13333\_MIRELLA-CL



#### PHOTOMETRIC DATA (MEASURED):

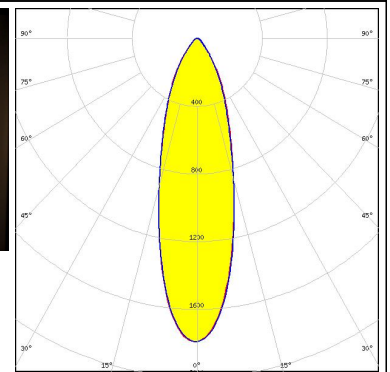
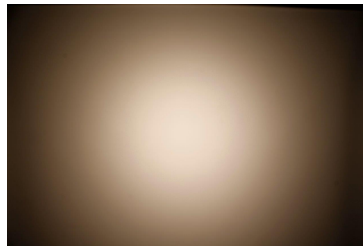
#### CITIZEN

LED CLU710/711  
 FWHM / FWTM 20.0° / 49.0°  
 Efficiency 90 %  
 Peak intensity 3.7 cd/m  
 LEDs/each optic 1  
 Light colour White  
 Required components:



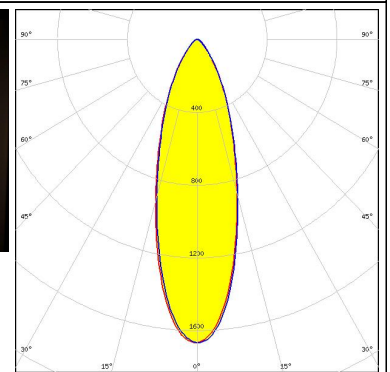
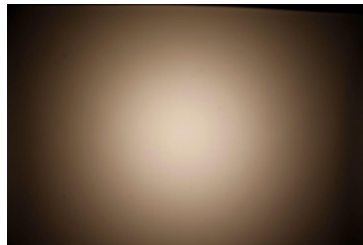
#### CITIZEN

LED CLU720/721  
 FWHM / FWTM 30.0° / 71.0°  
 Efficiency 82 %  
 Peak intensity 1.8 cd/m  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C12479\_MIRELLA-DL



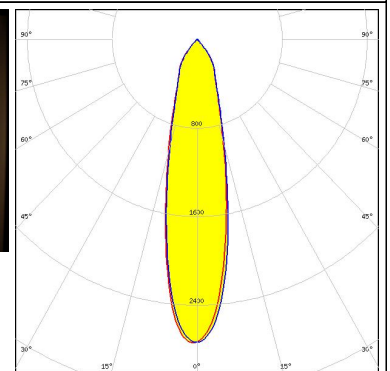
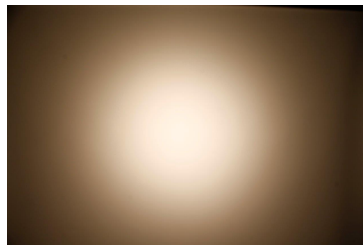
#### CITIZEN

LED CLU720/721  
 FWHM / FWTM 32.0° / 73.0°  
 Efficiency 83 %  
 Peak intensity 1.7 cd/m  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C13723\_MIRELLA-RZL



#### CITIZEN

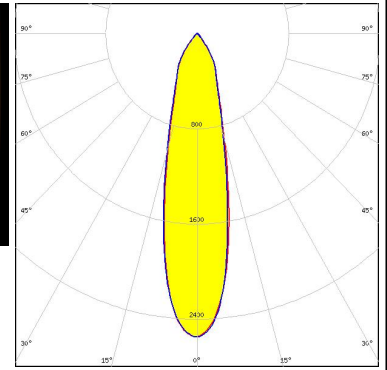
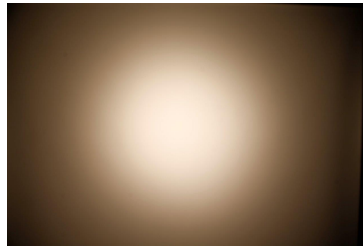
LED CLU720/721  
 FWHM / FWTM 24.0° / 68.0°  
 Efficiency 90 %  
 Peak intensity 2.4 cd/m  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### PHOTOMETRIC DATA (MEASURED):

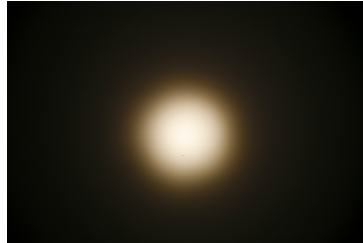
#### CITIZEN

LED CLU720/721  
 FWHM / FWTM 25.0° / 66.0°  
 Efficiency 85 %  
 Peak intensity 2.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C13333\_MIRELLA-CL



#### CREE LED

LED CXA/B 13xx  
 FWHM / FWTM 12.0° / 25.0°  
 Efficiency 87 %  
 Peak intensity 9.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### CREE LED

LED CXA/B 13xx  
 FWHM / FWTM 12.0° / 25.0°  
 Efficiency 82 %  
 Peak intensity 8.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C13333\_MIRELLA-CL



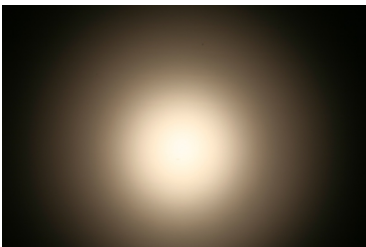
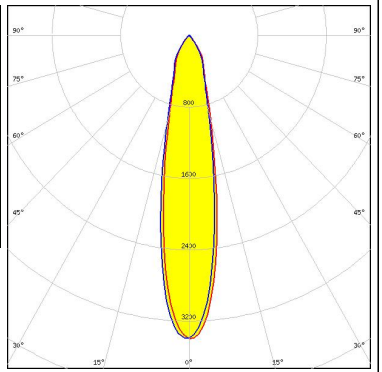

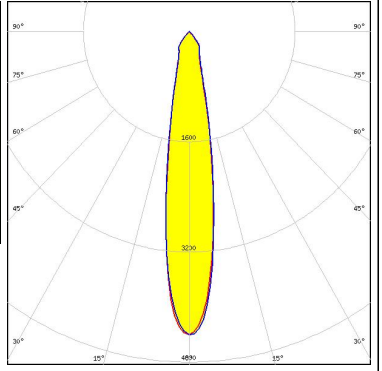


#### CREE LED

LED CXA/B 13xx  
 FWHM / FWTM 15.0° / 36.0°  
 Efficiency 81 %  
 Peak intensity 5.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C12479\_MIRELLA-DL

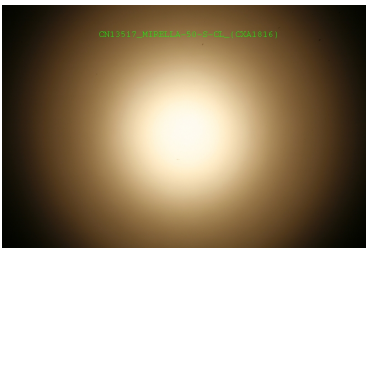


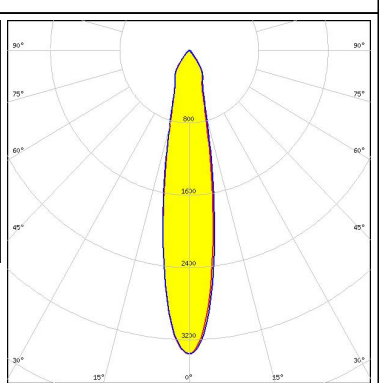

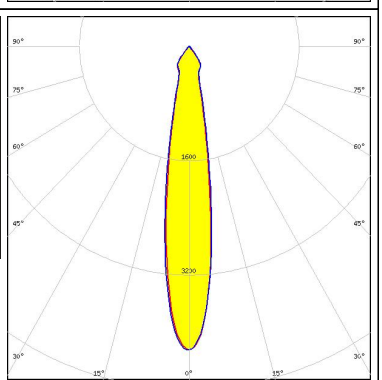




#### PHOTOMETRIC DATA (MEASURED):

<p><b>CREE → LED</b></p> <p>LED CXA/B 15xx            FWHM / FWTM 20.0° / 60.0°            Efficiency 90 %            Peak intensity 3.1 cd/m            LEDs/each optic 1            Light colour White            Required components:            C12479_MIRELLA-DL</p>		
<p><b>CREE → LED</b></p> <p>LED CXA/B 15xx            FWHM / FWTM 16.0° / 38.0°            Efficiency 93 %            Peak intensity 5.1 cd/m            LEDs/each optic 1            Light colour White            Required components:</p>		
<p><b>CREE → LED</b></p> <p>LED CXA/B 15xx            FWHM / FWTM 19.0° / 47.0°            Efficiency 84 %            Peak intensity 4.3 cd/m            LEDs/each optic 1            Light colour White            Required components:            C13333_MIRELLA-CL</p>		
<p><b>CREE → LED</b></p> <p>LED CXA/B 1816 &amp; CXA/B 1820 &amp; CXA 1850            FWHM / FWTM 23.0° / 68.0°            Efficiency 89 %            Peak intensity 3.2 cd/m            LEDs/each optic 1            Light colour White            Required components:</p>		

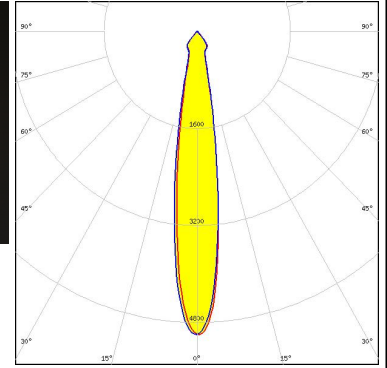
#### PHOTOMETRIC DATA (MEASURED):

<p><b>CREE LED</b></p> <p>LED                    CXA/B 1816 &amp; CXA/B 1820 &amp; CXA 1850</p> <p>FWHM / FWTM        25.0° / 68.0°</p> <p>Efficiency             83 %</p> <p>Peak intensity        2.9 cd/m</p> <p>LEDs/each optic     1</p> <p>Light colour          White</p> <p>Required components:</p> <p>          C13333_MIRELLA-CL</p>		
<p><b>CREE LED</b></p> <p>LED                    CXA/B 1816 &amp; CXA/B 1820 &amp; CXA 1850</p> <p>FWHM / FWTM        26.0° / 68.0°</p> <p>Efficiency             83 %</p> <p>Peak intensity        2.6 cd/m</p> <p>LEDs/each optic     1</p> <p>Light colour          White</p> <p>Required components:</p> <p>          C12479_MIRELLA-DL</p>		
<p><b>CREE LED</b></p> <p>LED                    MHD-E/G</p> <p>FWHM / FWTM        20.0° / 57.0°</p> <p>Efficiency             88 %</p> <p>Peak intensity        3.3 cd/m</p> <p>LEDs/each optic     1</p> <p>Light colour          White</p> <p>Required components:</p> <p>          C12479_MIRELLA-DL</p>		
<p><b>CREE LED</b></p> <p>LED                    MHD-E/G</p> <p>FWHM / FWTM        18.0° / 40.0°</p> <p>Efficiency             89 %</p> <p>Peak intensity        4.2 cd/m</p> <p>LEDs/each optic     1</p> <p>Light colour          White</p> <p>Required components:</p> <p>          C13333_MIRELLA-CL</p>		

#### PHOTOMETRIC DATA (MEASURED):

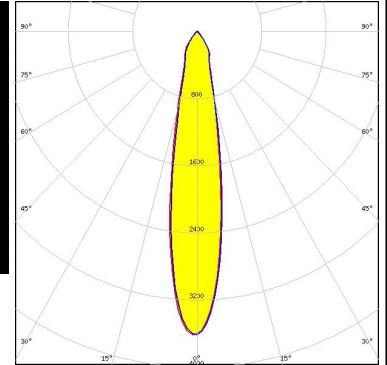
##### CREE LED

LED MHD-E/G  
 FWHM / FWTM 16.0° / 35.0°  
 Efficiency 94 %  
 Peak intensity 5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



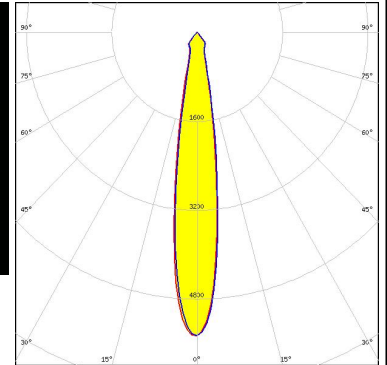
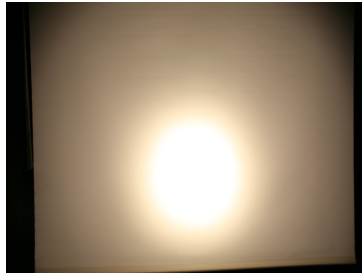
##### CREE LED

LED MT-G2  
 FWHM / FWTM 20.0° / 50.0°  
 Efficiency 85 %  
 Peak intensity 3.7 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C12479\_MIRELLA-DL



##### CREE LED

LED MT-G2  
 FWHM / FWTM 17.0° / 35.0°  
 Efficiency 92 %  
 Peak intensity 5.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:


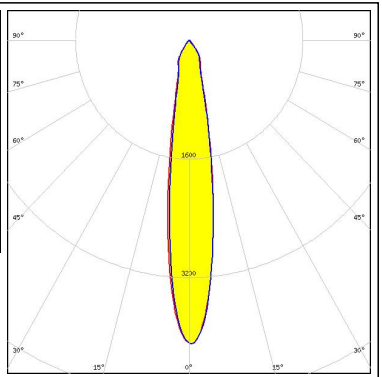

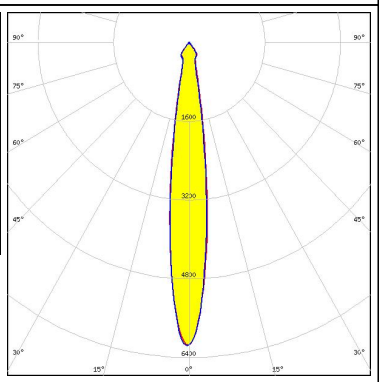

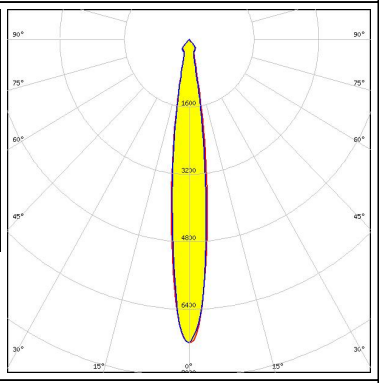

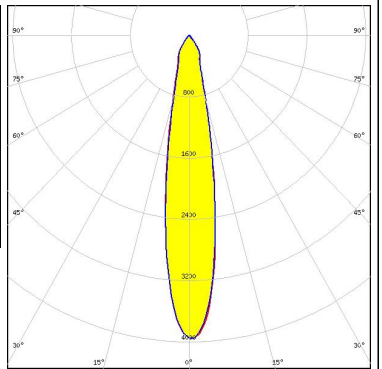


##### CREE LED


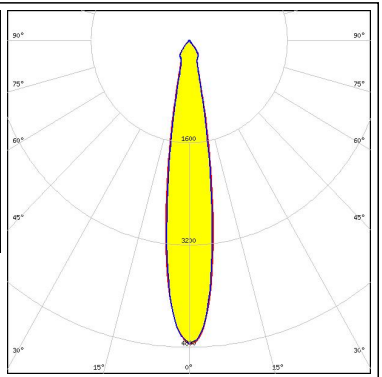

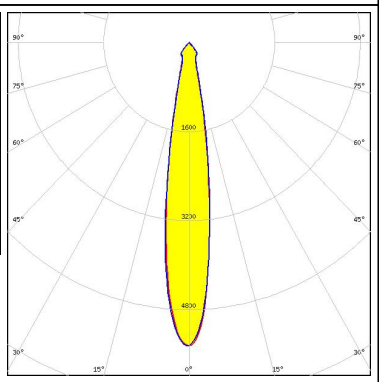

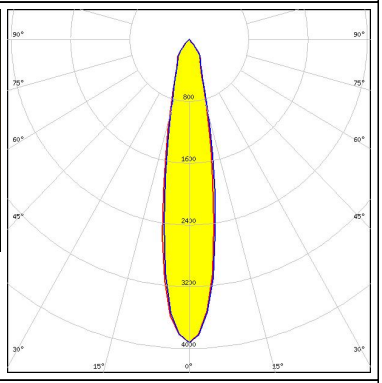

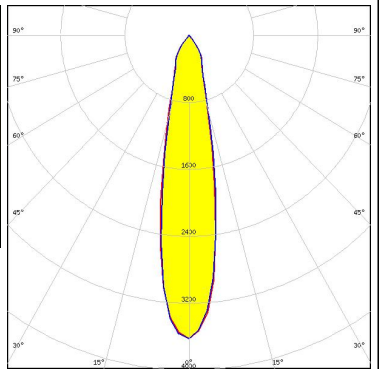
LED MT-G2  
 FWHM / FWTM 18.0° / 37.0°  
 Efficiency 85 %  
 Peak intensity 4.7 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C13333\_MIRELLA-CL




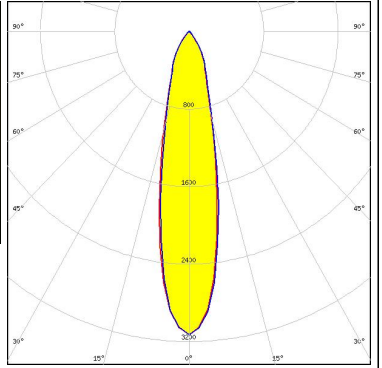



#### PHOTOMETRIC DATA (MEASURED):

<p><b>CREE</b> LED</p> <p>LED XHP50            FWHM / FWTM 17.0° / 44.0°            Efficiency 85 %            Peak intensity 4.1 cd/lm            LEDs/each optic 1            Light colour White            Required components:            C12479_MIRELLA-DL</p>		
<p><b>CREE</b> LED</p> <p>LED XHP50            FWHM / FWTM 14.0° / 30.0°            Efficiency 86 %            Peak intensity 6.2 cd/lm            LEDs/each optic 1            Light colour White            Required components:            C13333_MIRELLA-CL</p>		
<p><b>CREE</b> LED</p> <p>LED XHP50            FWHM / FWTM 14.0° / 28.0°            Efficiency 92 %            Peak intensity 7.2 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>		
<p><b>CREE</b> LED</p> <p>LED XHP70            FWHM / FWTM 19.0° / 44.0°            Efficiency 86 %            Peak intensity 4 cd/lm            LEDs/each optic 1            Light colour White            Required components:            C12479_MIRELLA-DL</p>		


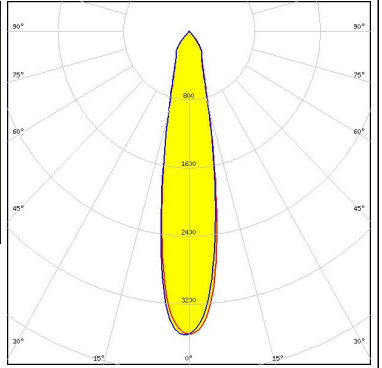
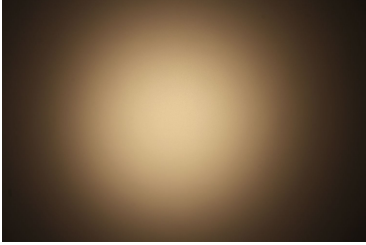
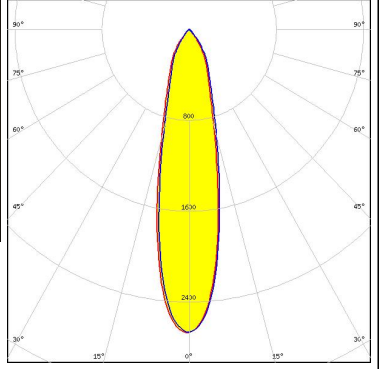
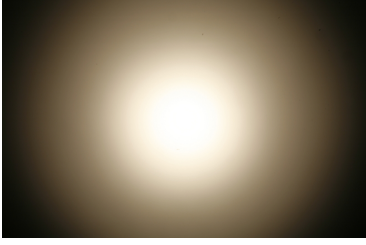
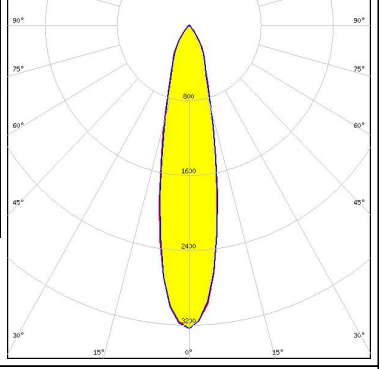

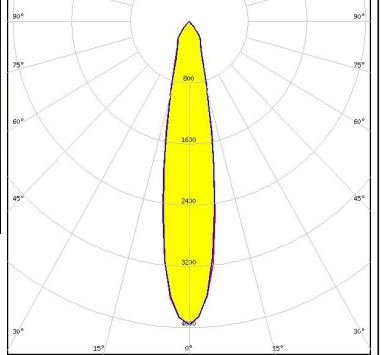
#### PHOTOMETRIC DATA (MEASURED):

<p><b>CREE</b> LED</p> <p>LED XHP70            FWHM / FWTM 18.0° / 36.0°            Efficiency 86 %            Peak intensity 4.8 cd/m            LEDs/each optic 1            Light colour White            Required components:            C13333_MIRELLA-CL</p>		
<p><b>CREE</b> LED</p> <p>LED XHP70            FWHM / FWTM 17.0° / 34.0°            Efficiency 90 %            Peak intensity 5.5 cd/m            LEDs/each optic 1            Light colour White            Required components:</p>		
<p><b>LUMILEDS</b></p> <p>LED LUXEON CoB 1202/1203            FWHM / FWTM 20.0° / 49.0°            Efficiency 89 %            Peak intensity 3.9 cd/m            LEDs/each optic 1            Light colour White            Required components:</p>		
<p><b>LUMILEDS</b></p> <p>LED LUXEON CoB 1202/1203            FWHM / FWTM 21.0° / 52.0°            Efficiency 86 %            Peak intensity 3.6 cd/m            LEDs/each optic 1            Light colour White            Required components:            C13333_MIRELLA-CL</p>		

#### PHOTOMETRIC DATA (MEASURED):

<p><b>LUMILEDS</b></p> <p>LED LUXEON CoB 1202/1203</p> <p>FWHM / FWTM 23.0° / 60.0°</p> <p>Efficiency 85 %</p> <p>Peak intensity 3.1 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 S1000</p> <p>FWHM / FWTM 21.0° / 60.0°</p> <p>Efficiency %</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 S1000</p> <p>FWHM / FWTM 14.0° / 37.0°</p> <p>Efficiency 84 %</p> <p>Peak intensity 5.5 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 S1000</p> <p>FWHM / FWTM 17.0° / 38.0°</p> <p>Efficiency %</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		

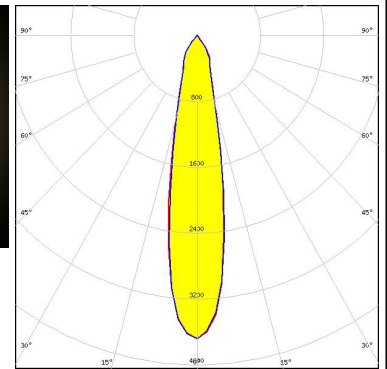
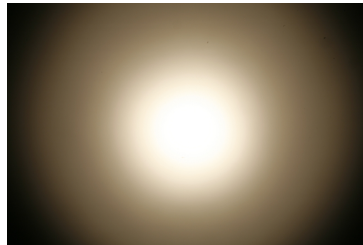
#### PHOTOMETRIC DATA (MEASURED):

<p><b>LUMINUS</b></p> <p>LED CxM-9 (13.5x13.5)</p> <p>FWHM / FWTM 21.0° / 53.0°</p> <p>Efficiency 90 %</p> <p>Peak intensity 3.6 cd/m</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		
<p><b>LUMINUS</b></p> <p>LED CxM-9 (13.5x13.5)</p> <p>FWHM / FWTM 24.0° / 63.0°</p> <p>Efficiency 84 %</p> <p>Peak intensity 2.7 cd/m</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: C12479_MIRELLA-DL</p>		
<p><b>NICHIA</b></p> <p>LED COB L-Type (LES 9)</p> <p>FWHM / FWTM 23.0° / 59.0°</p> <p>Efficiency 86 %</p> <p>Peak intensity 3.2 cd/m</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: C12479_MIRELLA-DL</p>		
<p><b>NICHIA</b></p> <p>LED COB L-Type (LES 9)</p> <p>FWHM / FWTM 20.0° / 48.0°</p> <p>Efficiency 90 %</p> <p>Peak intensity 4 cd/m</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		

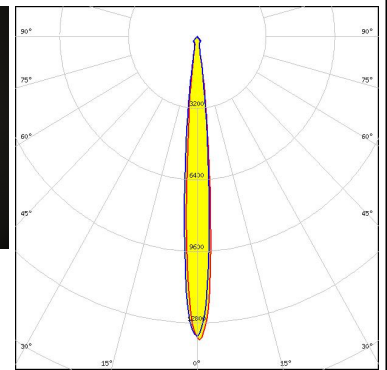
#### PHOTOMETRIC DATA (MEASURED):



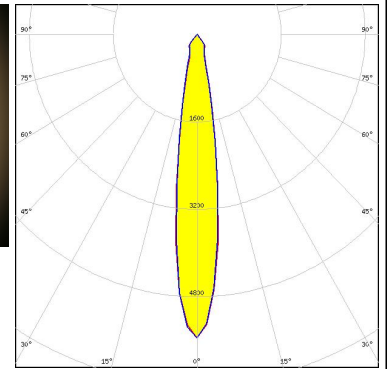
LED COB L-Type (LES 9)  
 FWHM / FWTM 22.0° / 53.0°  
 Efficiency 87 %  
 Peak intensity 3.7 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C13333\_MIRELLA-CL



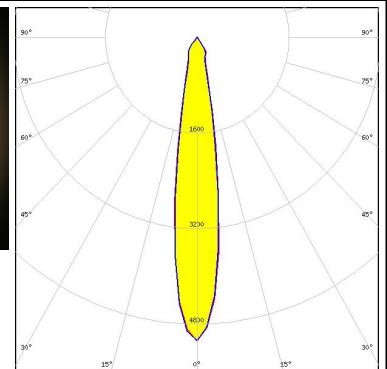
LED NFMW48xA  
 FWHM / FWTM 9.5° / 20.0°  
 Efficiency 88 %  
 Peak intensity 13.6 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



LED NSCxL036A  
 FWHM / FWTM 17.0° / 35.0°  
 Efficiency 88 %  
 Peak intensity 5.6 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:


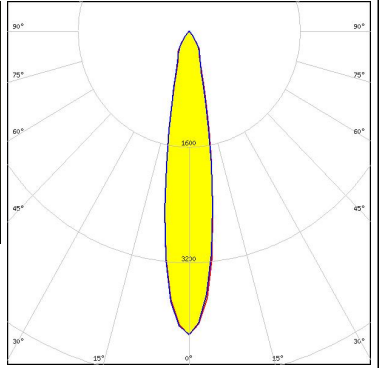





LED NSCxL036A  
 FWHM / FWTM 17.0° / 37.0°  
 Efficiency 84 %  
 Peak intensity 5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C13333\_MIRELLA-CL


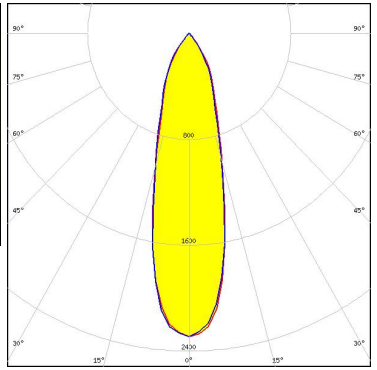

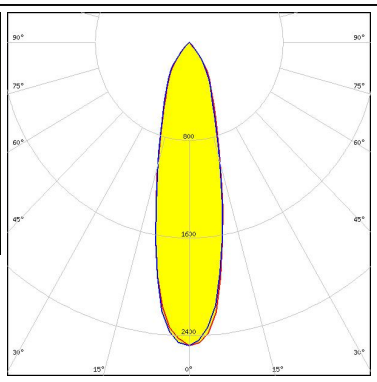

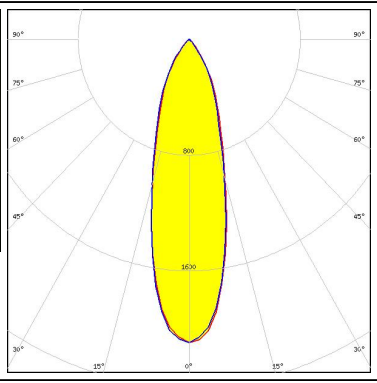

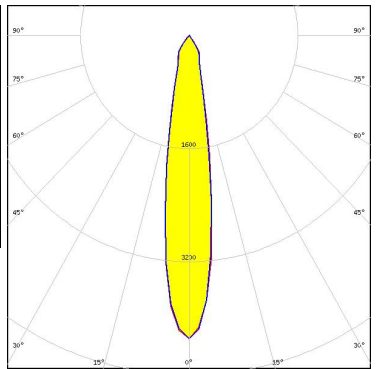





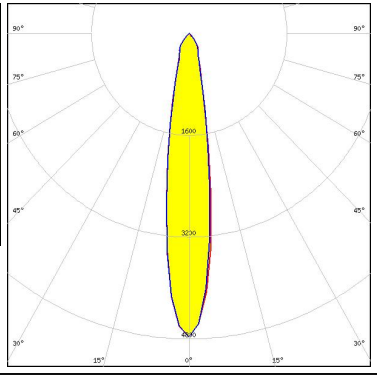
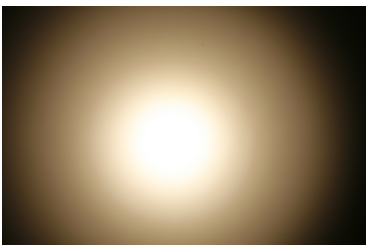
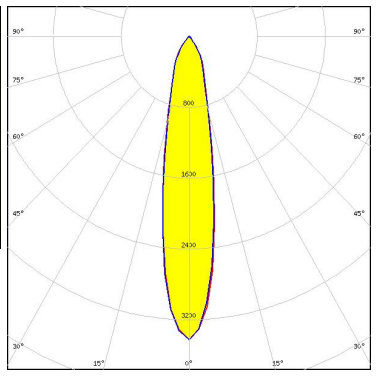
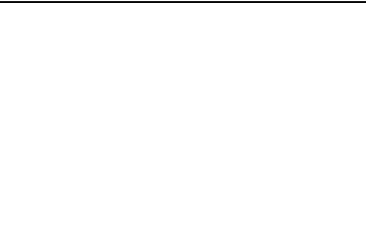
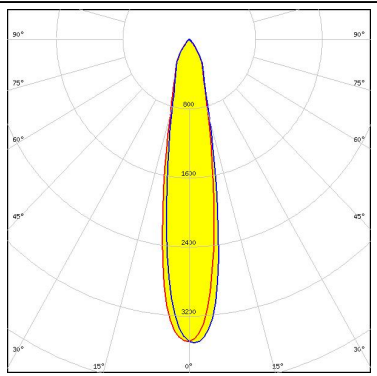

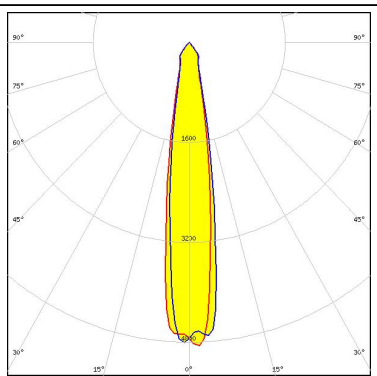
#### PHOTOMETRIC DATA (MEASURED):

<p><b>NICHIA</b></p> <p>LED NSCxL036A            FWHM / FWTM 19.0° / 46.0°            Efficiency 84 %            Peak intensity 4.2 cd/lm            LEDs/each optic 1            Light colour White            Required components:            C12479_MIRELLA-DL</p>		
<p><b>OSRAM</b> Opto Semiconductors</p> <p>LED Duris S10            FWHM / FWTM 20.0° / 57.0°            Efficiency 81 %            Peak intensity 3.4 cd/lm            LEDs/each optic 1            Light colour White            Required components:            C12479_MIRELLA-DL</p>		
<p><b>OSRAM</b> Opto Semiconductors</p> <p>LED Duris S10            FWHM / FWTM 15.0° / 33.0°            Efficiency 83 %            Peak intensity 6.7 cd/lm            LEDs/each optic 1            Light colour White            Required components:            C13333_MIRELLA-CL</p>		
<p><b>OSRAM</b> Opto Semiconductors</p> <p>LED Duris S10            FWHM / FWTM 15.0° / 33.0°            Efficiency 89 %            Peak intensity 6.5 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>		

#### PHOTOMETRIC DATA (MEASURED):

<p><b>OSRAM</b> Opto Semiconductors</p> <p>LED Soleriq S13</p> <p>FWHM / FWTM 28.0° / 69.0°</p> <p>Efficiency 82 %</p> <p>Peak intensity 2.3 cd/m</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 Soleriq S13</p> <p>FWHM / FWTM 27.0° / 70.0°</p> <p>Efficiency 87 %</p> <p>Peak intensity 2.5 cd/m</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 Soleriq S13</p> <p>FWHM / FWTM 30.0° / 70.0°</p> <p>Efficiency 83 %</p> <p>Peak intensity 2.1 cd/m</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: C12479_MIRELLA-DL</p>		
<p><b>SEOUL SEMICONDUCTOR</b></p> <p>LED ZC4/6</p> <p>FWHM / FWTM 19.0° / 44.0°</p> <p>Efficiency 82 %</p> <p>Peak intensity 4.3 cd/m</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: C13333_MIRELLA-CL</p>		

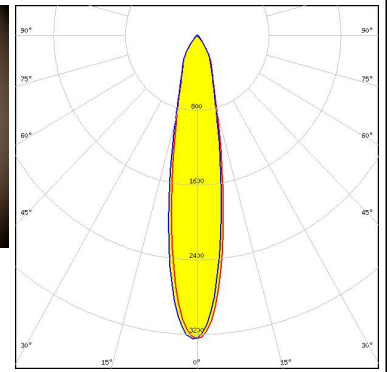
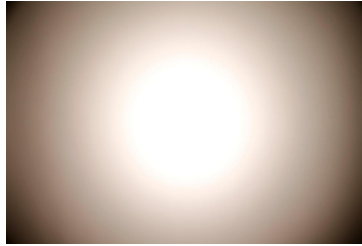
#### PHOTOMETRIC DATA (MEASURED):

<p><b>SEOL</b> SEOUL SEMICONDUCTOR</p> <p>LED ZC4/6 FWHM / FWTM 18.0° / 42.0° Efficiency 88 % Peak intensity 4.8 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		
<p><b>SEOL</b> SEOUL SEMICONDUCTOR</p> <p>LED ZC4/6 FWHM / FWTM 21.0° / 56.0° Efficiency 83 % Peak intensity 3.4 cd/lm LEDs/each optic 1 Light colour White Required components: C12479_MIRELLA-DL</p>		
<p><b>SHARP</b></p> <p>LED Mini Zenigata (GW5BM) FWHM / FWTM 20.0° / 54.0° Efficiency 86 % Peak intensity 3.5 cd/lm LEDs/each optic 1 Light colour White Required components: C12479_MIRELLA-DL</p>		
<p><b>SHARP</b></p> <p>LED Mini Zenigata (GW5BM) FWHM / FWTM 17.0° / 39.0° Efficiency 92 % Peak intensity 4.8 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		

### PHOTOMETRIC DATA (MEASURED):

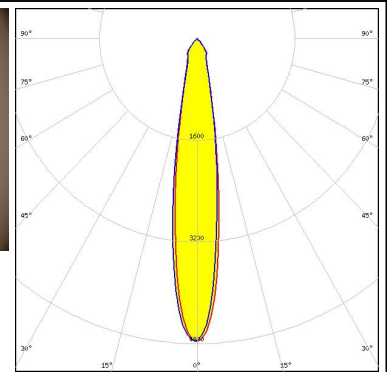
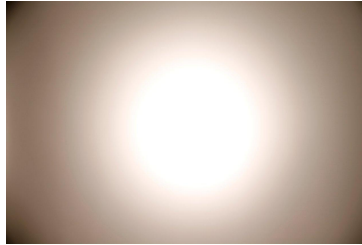
#### SHARP

LED Mini Zenigata (GW6BM)  
FWHM / FWTM 20.0° / 56.0°  
Efficiency 84 %  
Peak intensity 3.2 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C12479\_MIRELLA-DL



#### SHARP

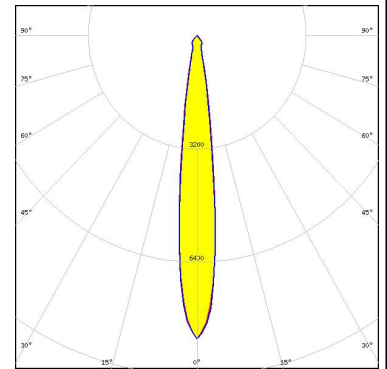
LED Mini Zenigata (GW6BM)  
FWHM / FWTM 17.0° / 41.0°  
Efficiency 91 %  
Peak intensity 4.8 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



#### PHOTOMETRIC DATA (SIMULATED):

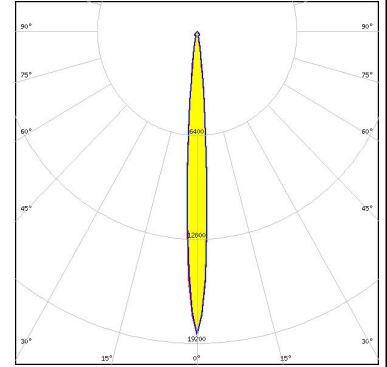
##### LUMILEDS

LED LUXEON 7070  
 FWHM / FWTM 14.0° / 27.0°  
 Efficiency 96 %  
 Peak intensity 8.6 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



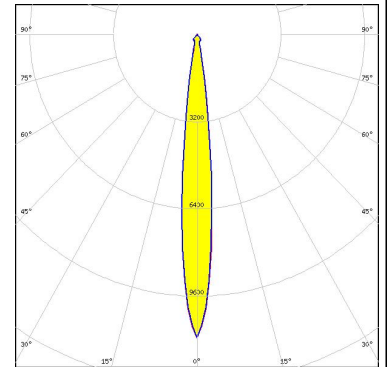
##### LUMILEDS

LED LUXEON V  
 FWHM / FWTM 7.7° / 17.0°  
 Efficiency 89 %  
 Peak intensity 18.7 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



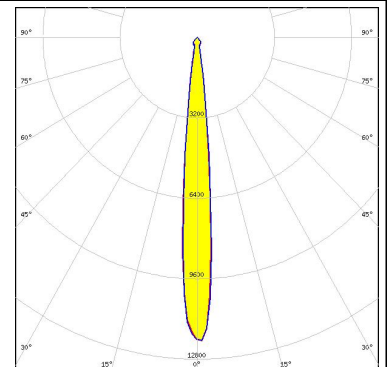
##### NICHIA

LED NV4x144A  
 FWHM / FWTM 12.0° / 22.0°  
 Efficiency 90 %  
 Peak intensity 11.1 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



##### OSRAM

Opto Semiconductors  
 LED OSCONIQ P 7070  
 FWHM / FWTM 11.0° / 21.0°  
 Efficiency 91 %  
 Peak intensity 12.2 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:

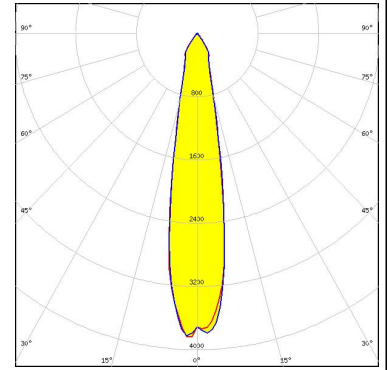


#### PHOTOMETRIC DATA (SIMULATED):

##### OSRAM

Opto Semiconductors

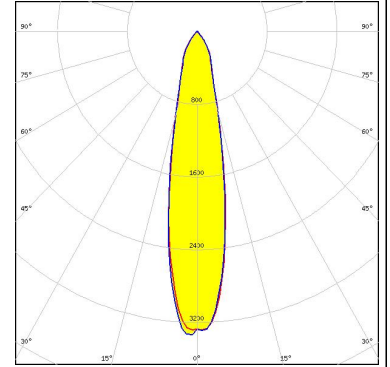
LED Soleriq S9  
 FWHM / FWTM 20.0° / 48.0°  
 Efficiency 87 %  
 Peak intensity 3.9 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C13333\_MIRELLA-CL



##### OSRAM

Opto Semiconductors

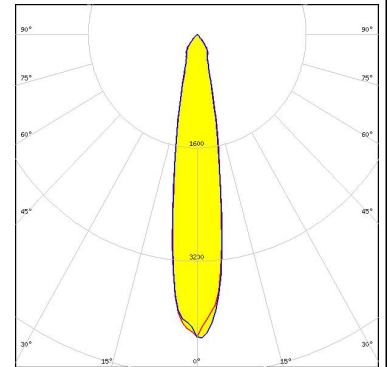
LED Soleriq S9  
 FWHM / FWTM 21.0° / 55.0°  
 Efficiency 86 %  
 Peak intensity 3.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C12479\_MIRELLA-DL



##### OSRAM

Opto Semiconductors

LED Soleriq S9  
 FWHM / FWTM 19.0° / 44.0°  
 Efficiency 91 %  
 Peak intensity 4.4 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.

Due to use of high power COB's with this product, special attention to proper thermal design is highly recommended. LEDiL has no liability for direct, indirect or consecutive damages arising from the LEDiL products being used outside of the recommended temperature range.

### MATERIALS:

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[PIN](#) [C12476\\_MIRELLA-50-S](#) [C12477\\_MIRELLA-50-M](#) [C12480\\_MIRELLA-50-S-PIN](#) [C12516\\_RITA-WAS](#) [C12597\\_LENINA-S](#)  
[C12599\\_LENINA-W](#) [C12948\\_LENA-WAS](#) [C12958\\_LENINA-XW](#) [C13085\\_MIRELLA-50-S-PF](#) [C13087\\_MIRELLA-50-W-PF](#)  
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