

MIRELLA-50-S

~15° spot beam

TECHNICAL SPECIFICATIONS:

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

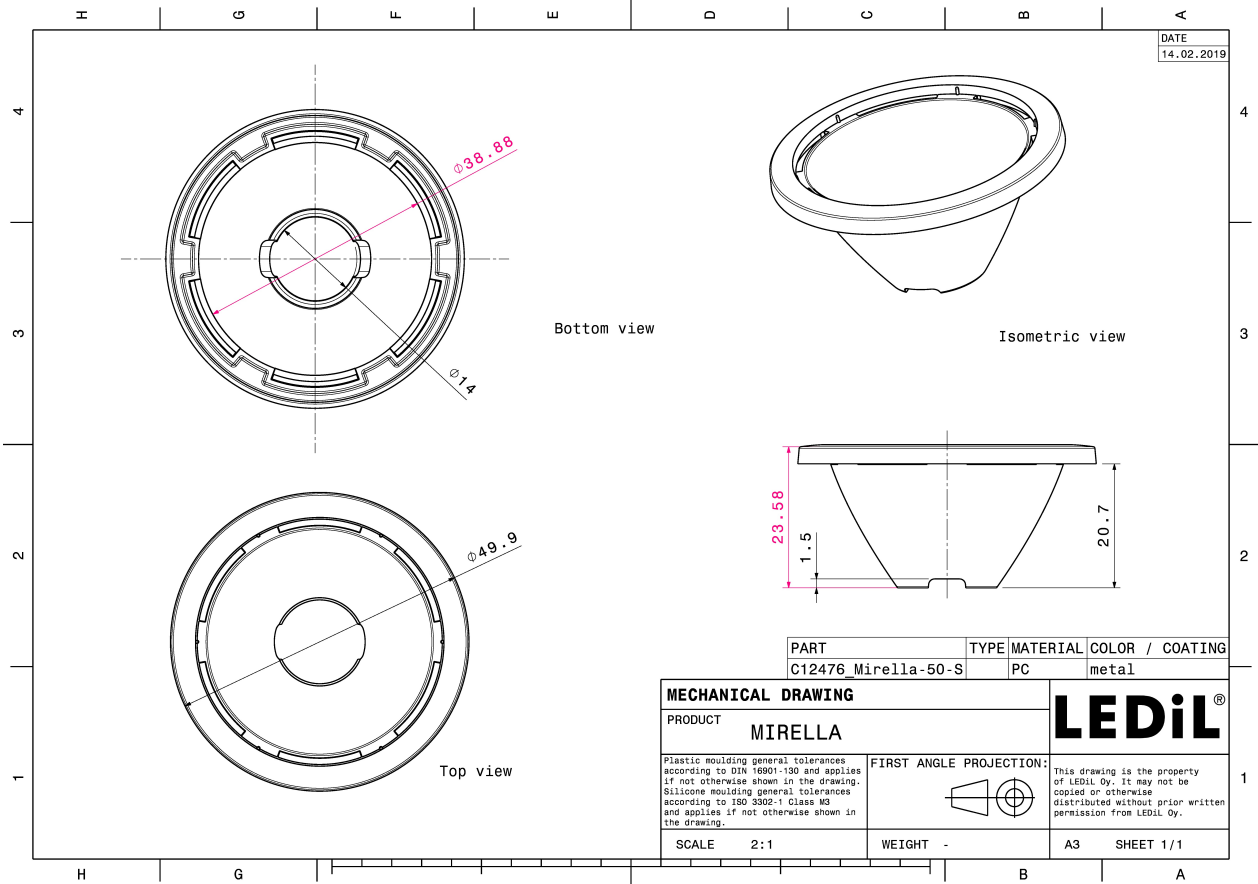
MATERIAL SPECIFICATIONS:

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





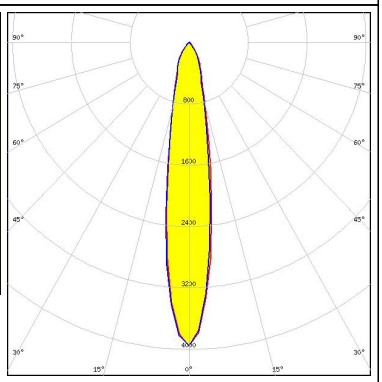

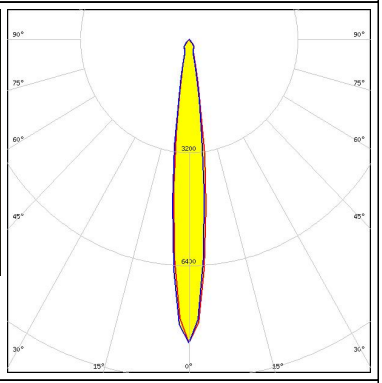

ORDERING INFORMATION:

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

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):

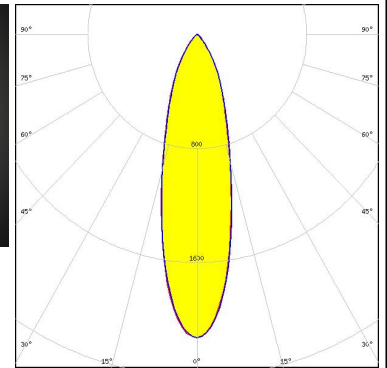
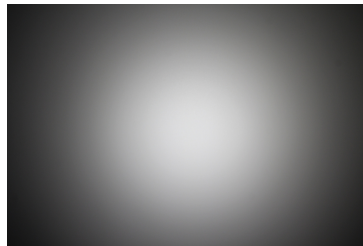
CITIZEN

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



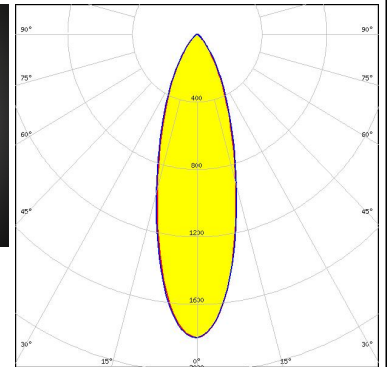
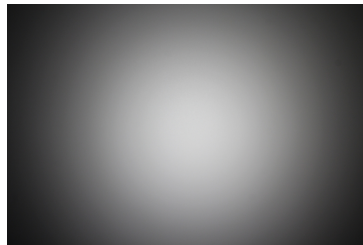
CITIZEN

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):

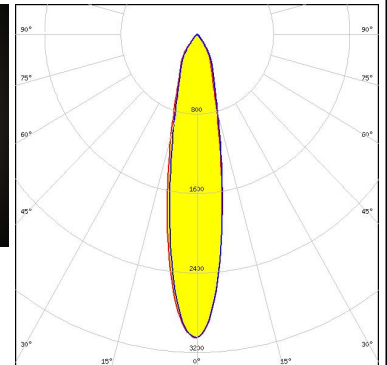
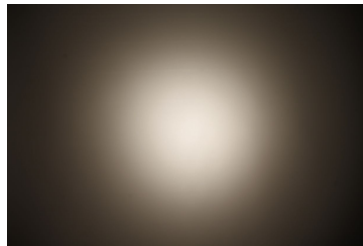
CITIZEN

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



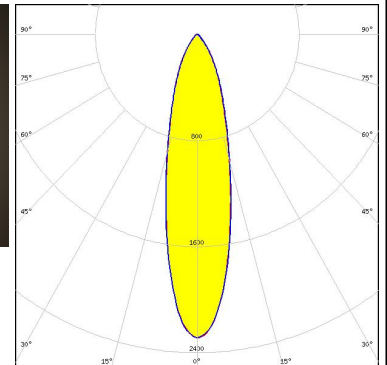
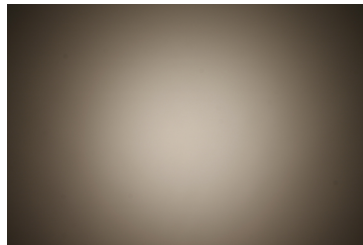
CITIZEN

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



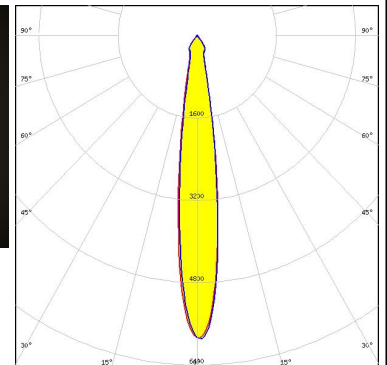
CITIZEN

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

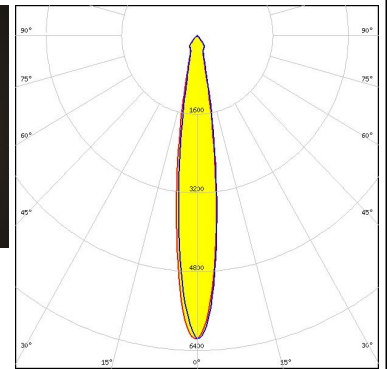
LED CLU700/701/702
 FWHM / FWTM 15.0° / 32.0°
 Efficiency 85 %
 Peak intensity 5.9 cd/m
 LEDs/each optic 1
 Light colour White
 Required components:
 C13333_MIRELLA-CL



PHOTOMETRIC DATA (MEASURED):

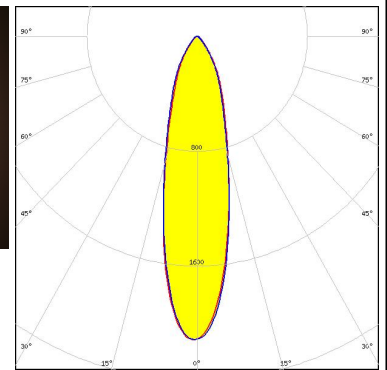
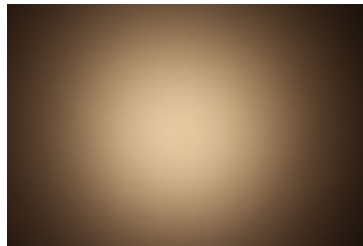
CITIZEN

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:



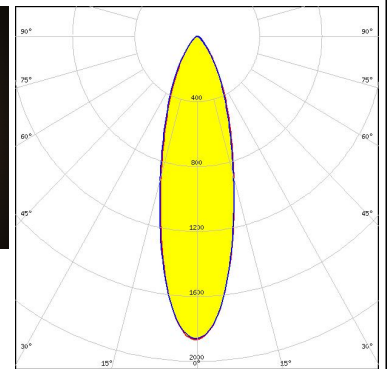
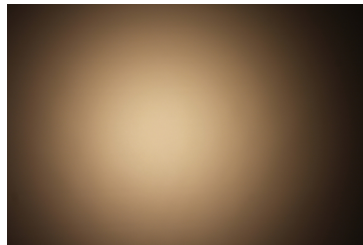
CITIZEN

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



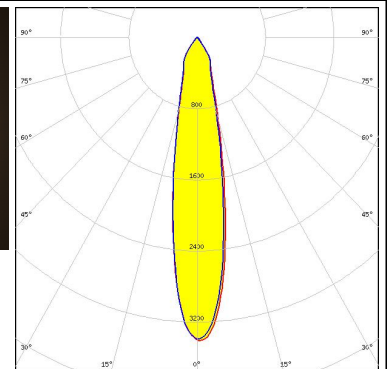
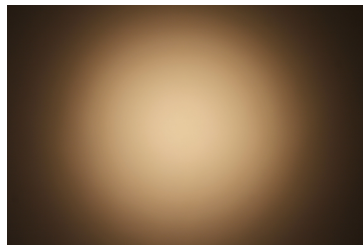
CITIZEN

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

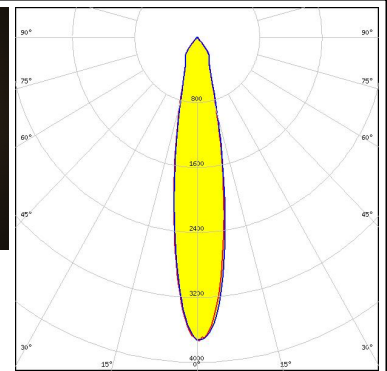
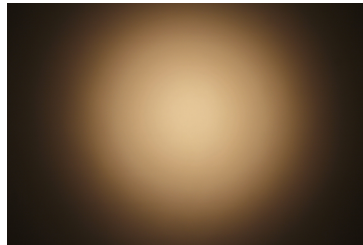
LED CLU710/711
 FWHM / FWTM 20.0° / 54.0°
 Efficiency 85 %
 Peak intensity 3.4 cd/m
 LEDs/each optic 1
 Light colour White
 Required components:
 C13333_MIRELLA-CL



PHOTOMETRIC DATA (MEASURED):

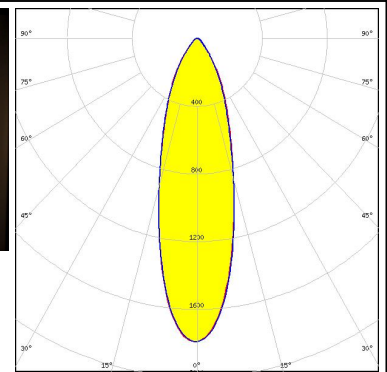
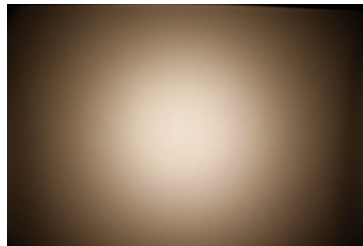
CITIZEN

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:



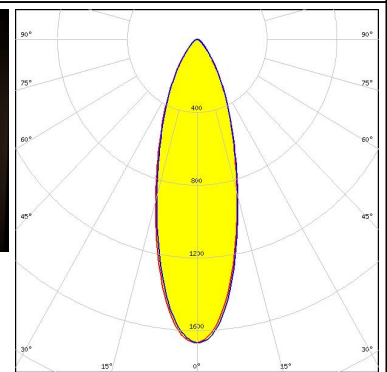
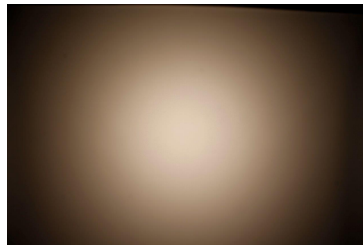
CITIZEN

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



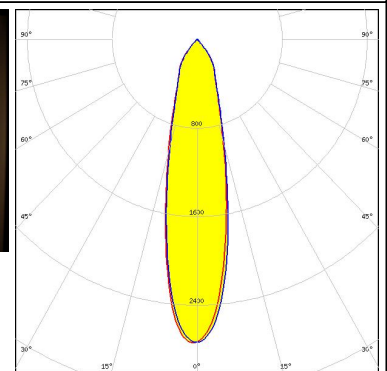
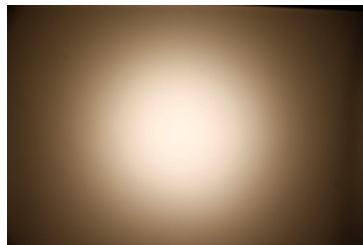
CITIZEN

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

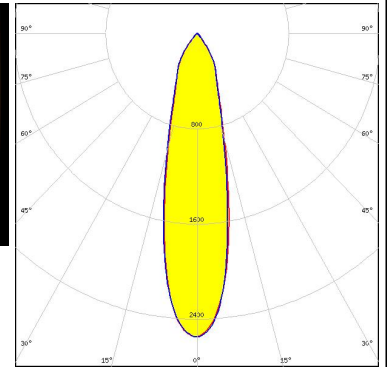
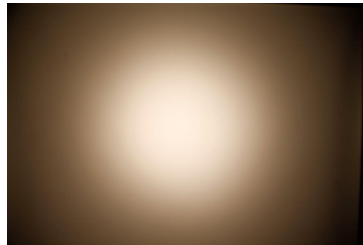
LED CLU720/721
 FWHM / FWTM 24.0° / 68.0°
 Efficiency 90 %
 Peak intensity 2.4 cd/m
 LEDs/each optic 1
 Light colour White
 Required components:



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


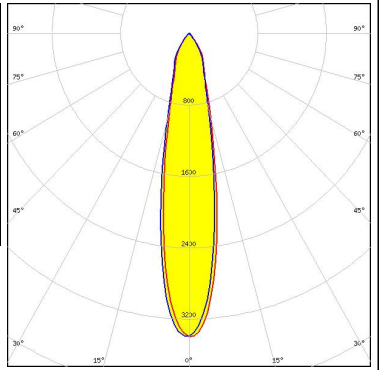

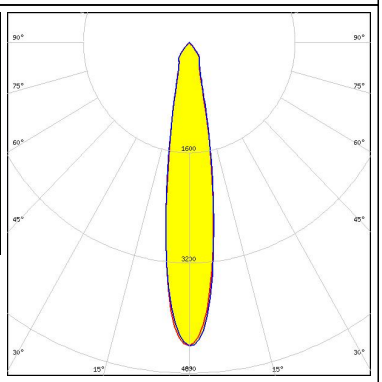




CREE → LED




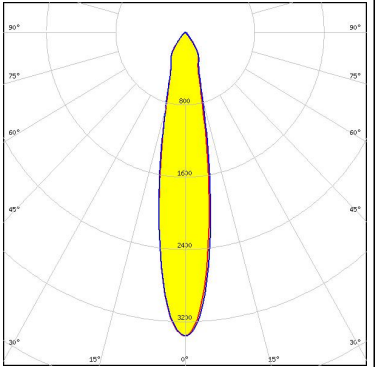

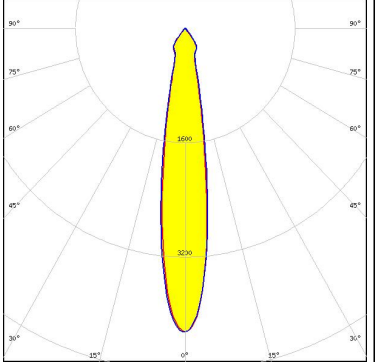
LED CXA/B 13xx
 FWHM / FWTM 15.0° / 36.0°
 Efficiency 81 %
 Peak intensity 5.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C12479_MIRELLA-DL




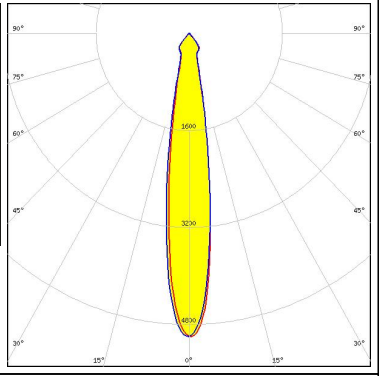

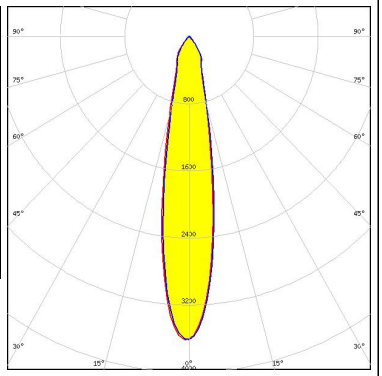

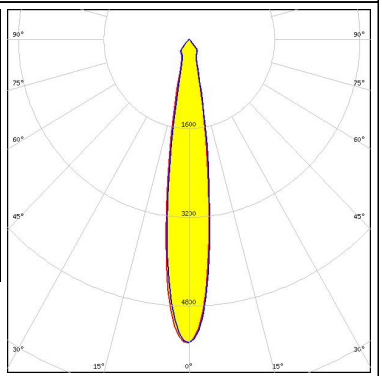

PHOTOMETRIC DATA (MEASURED):

<p>CREE → LED</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>CREE → LED</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>CREE → LED</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>CREE → LED</p> <p>LED CXA/B 1816 & CXA/B 1820 & 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>		


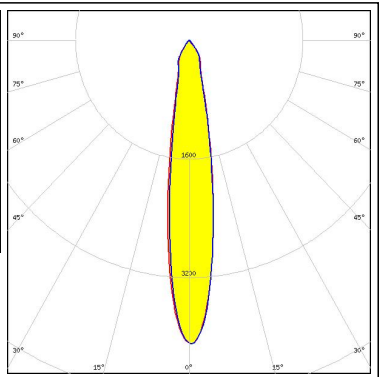

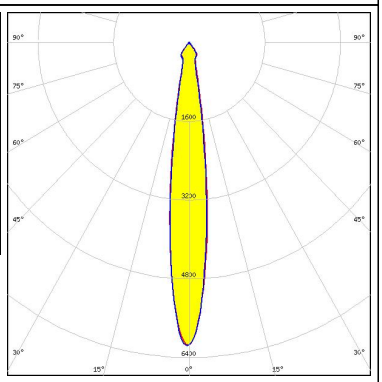

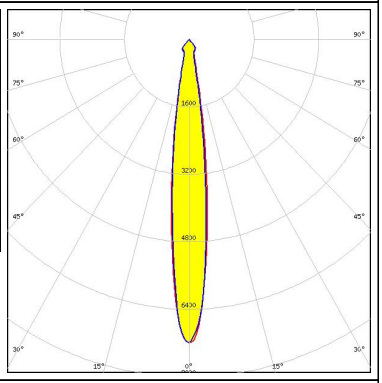

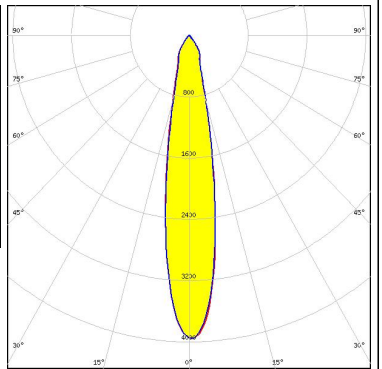
PHOTOMETRIC DATA (MEASURED):

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


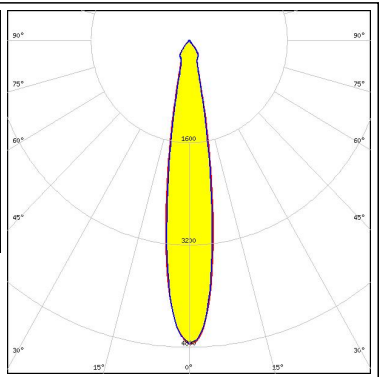

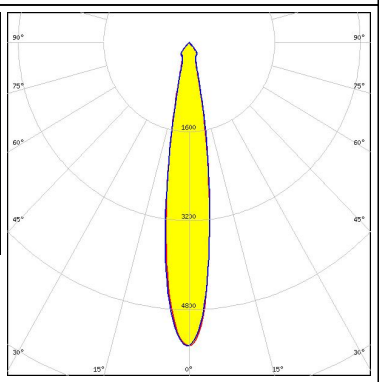

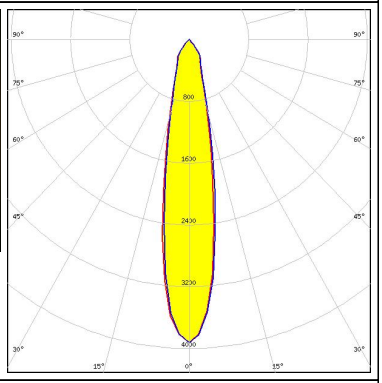

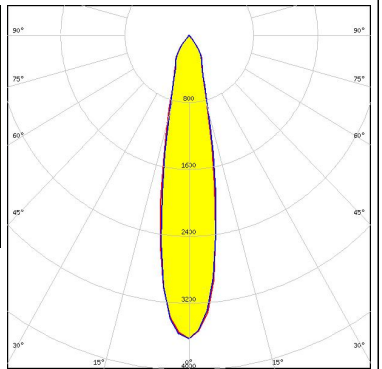
PHOTOMETRIC DATA (MEASURED):

<p>CREE ⇄ LED</p> <p>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:</p>		
<p>CREE ⇄ LED</p> <p>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</p>		
<p>CREE ⇄ LED</p> <p>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:</p>		
<p>CREE ⇄ LED</p> <p>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</p>		


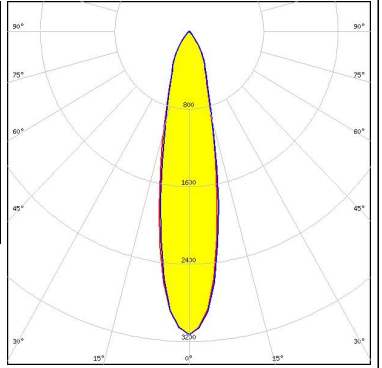
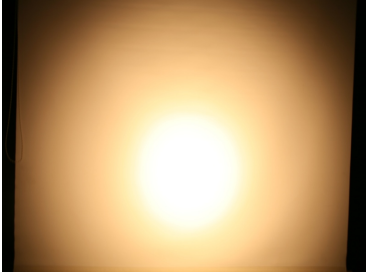


PHOTOMETRIC DATA (MEASURED):

<p>CREE 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>CREE 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>CREE 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>CREE 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>		


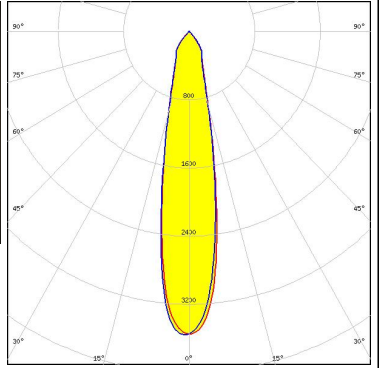
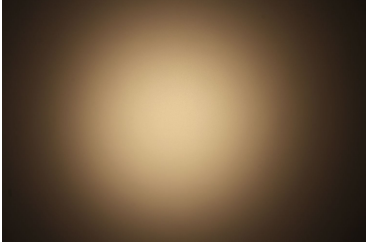
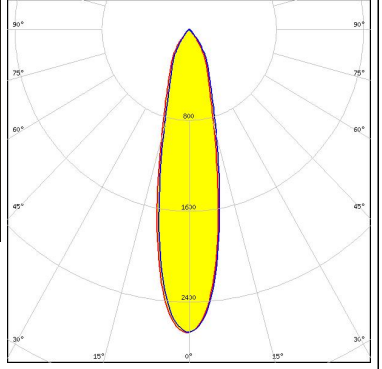
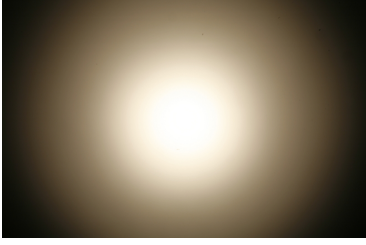
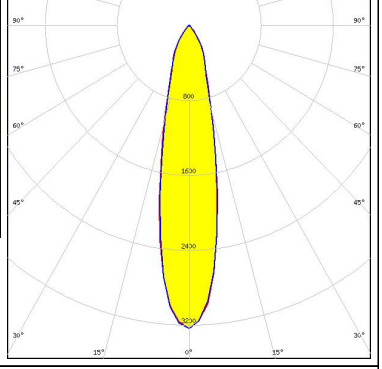

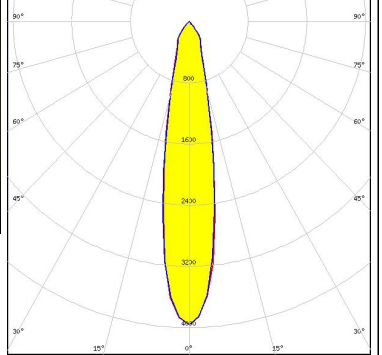
PHOTOMETRIC DATA (MEASURED):

<p>CREE 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>CREE 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>LUMILEDS</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>LUMILEDS</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>LUMILEDS</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>LUMILEDS</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>LUMILEDS</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>LUMILEDS</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>		

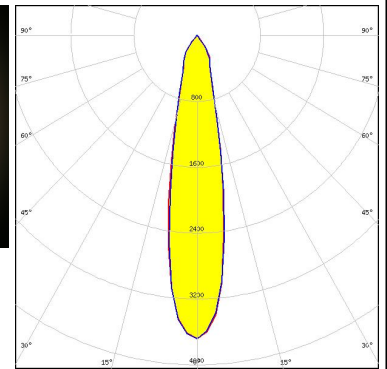
PHOTOMETRIC DATA (MEASURED):

<p>LUMINUS</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>LUMINUS</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>NICHIA</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>NICHIA</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>		

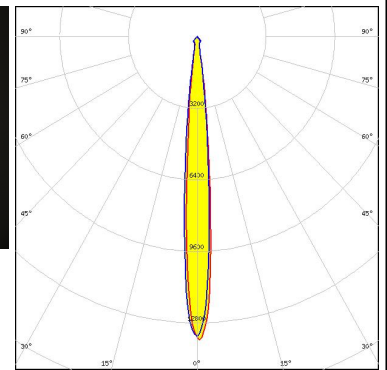
PHOTOMETRIC DATA (MEASURED):



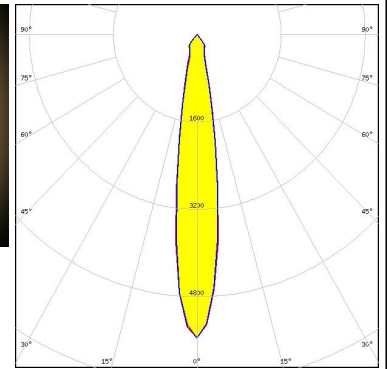
LED COB L-Type (LES 9)
 FWHM / FWTM 22.0° / 53.0°
 Efficiency 87 %
 Peak intensity 3.7 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13333_MIRELLA-CL



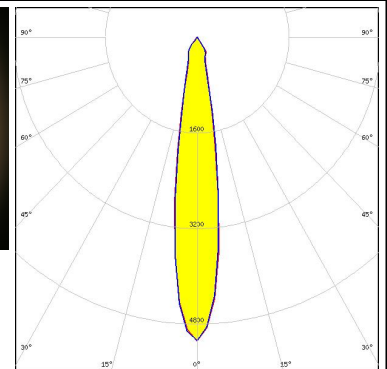
LED NFMW48xA
 FWHM / FWTM 9.5° / 20.0°
 Efficiency 88 %
 Peak intensity 13.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:




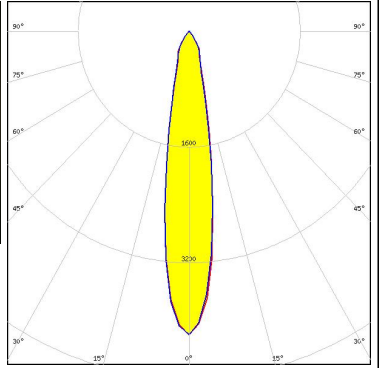



LED NSCxL036A
 FWHM / FWTM 17.0° / 35.0°
 Efficiency 88 %
 Peak intensity 5.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



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):

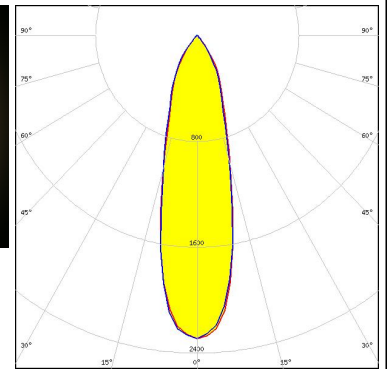
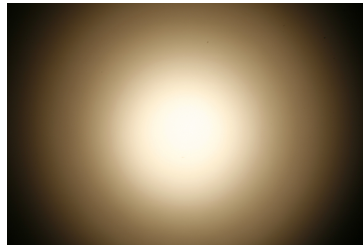
<p>NICHIA</p> <p>LED NSCxL036A FWHM / FWTM 19.0° / 46.0° Efficiency 84 % Peak intensity 4.2 cd/lm LEDs/each optic 1 Light colour White Required components: C12479_MIRELLA-DL</p>		
<p>OSRAM Opto Semiconductors</p> <p>LED Duris S10 FWHM / FWTM 20.0° / 57.0° Efficiency 81 % Peak intensity 3.4 cd/lm LEDs/each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

OSRAM

Opto Semiconductors

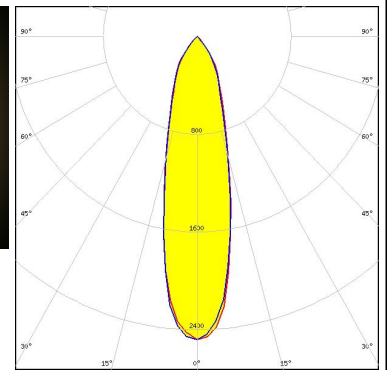
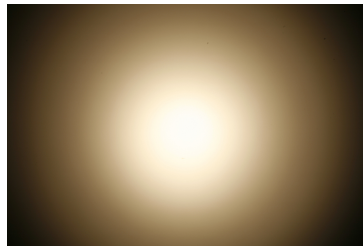
LED Soleriq S13
 FWHM / FWTM 28.0° / 69.0°
 Efficiency 82 %
 Peak intensity 2.3 cd/m
 LEDs/each optic 1
 Light colour White
 Required components:
 C13333_MIRELLA-CL



OSRAM

Opto Semiconductors

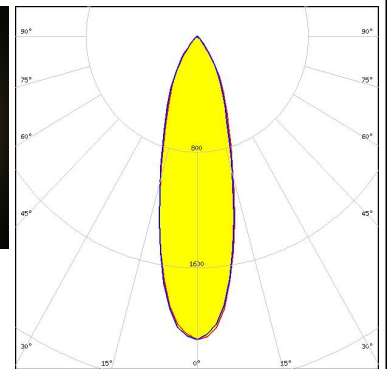
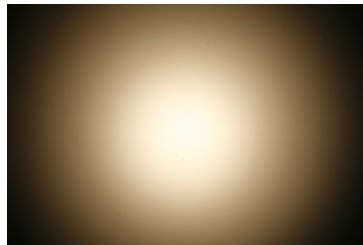
LED Soleriq S13
 FWHM / FWTM 27.0° / 70.0°
 Efficiency 87 %
 Peak intensity 2.5 cd/m
 LEDs/each optic 1
 Light colour White
 Required components:



OSRAM

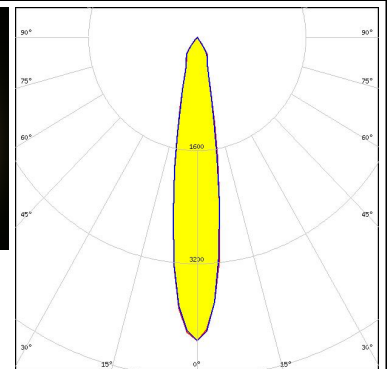
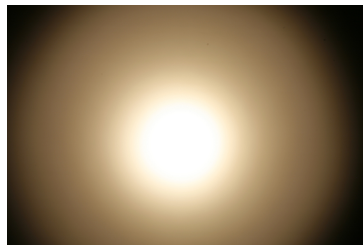
Opto Semiconductors

LED Soleriq S13
 FWHM / FWTM 30.0° / 70.0°
 Efficiency 83 %
 Peak intensity 2.1 cd/m
 LEDs/each optic 1
 Light colour White
 Required components:
 C12479_MIRELLA-DL


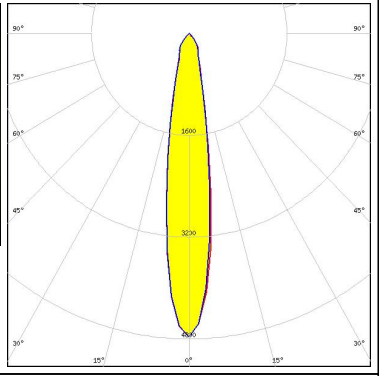

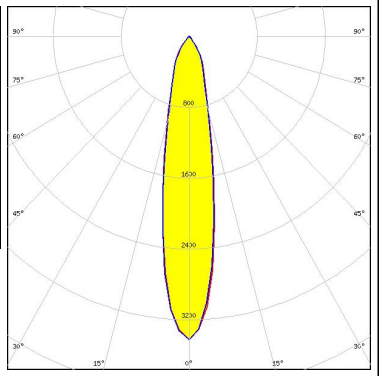

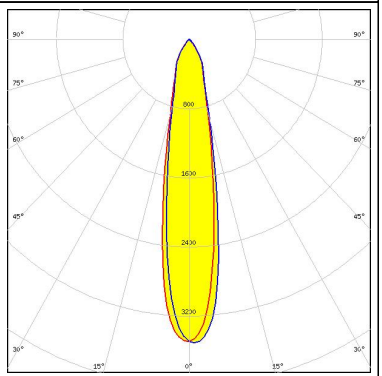

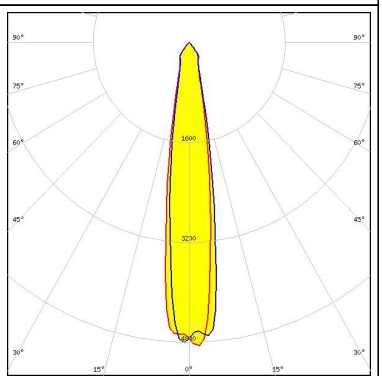


SEOUL SEMICONDUCTOR

LED ZC4/6
 FWHM / FWTM 19.0° / 44.0°
 Efficiency 82 %
 Peak intensity 4.3 cd/m
 LEDs/each optic 1
 Light colour White
 Required components:
 C13333_MIRELLA-CL



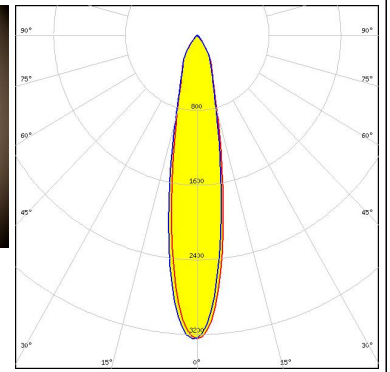
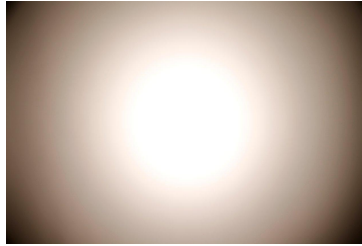
PHOTOMETRIC DATA (MEASURED):

<p>SEOL 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>SEOL 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>SHARP</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>SHARP</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):

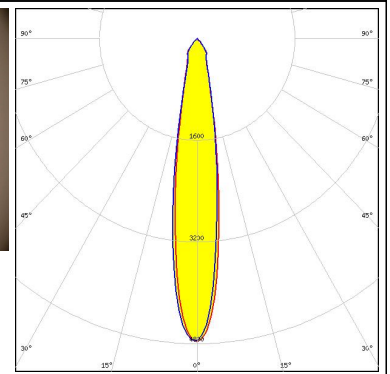
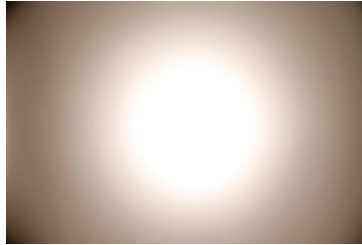
SHARP

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

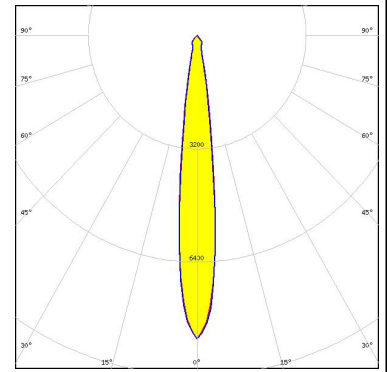
LED Mini Zenigata (GW6BM)
FWHM / FWTM 17.0° / 41.0°
Efficiency 91 %
Peak intensity 4.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:



PHOTOMETRIC DATA (SIMULATED):

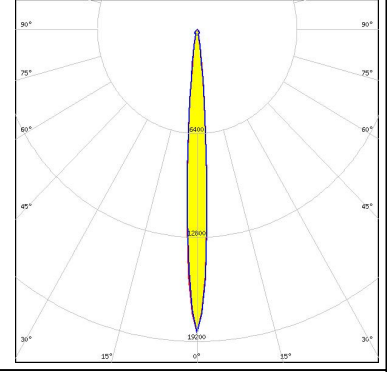
LUMILEDS

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:



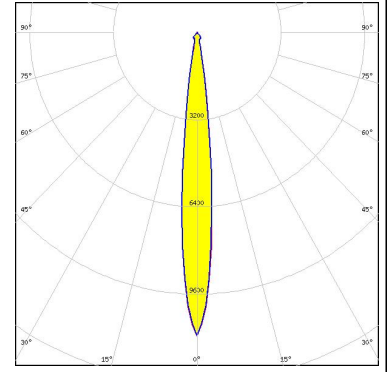
LUMILEDS

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:



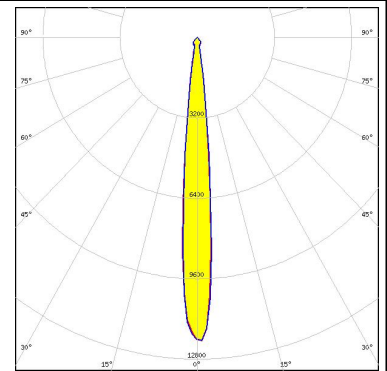
NICHIA

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:

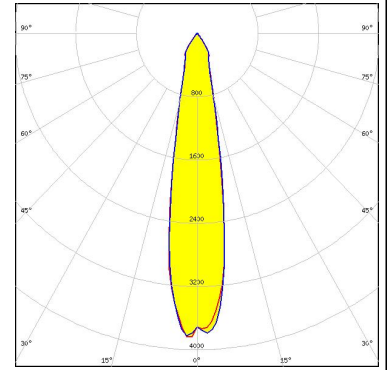


PHOTOMETRIC DATA (SIMULATED):

OSRAM

Opto Semiconductors

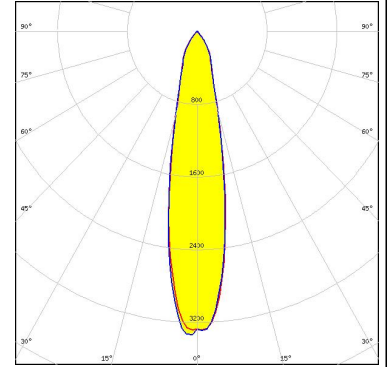
LED Soleriq S9
 FWHM / FWTM 20.0° / 48.0°
 Efficiency 87 %
 Peak intensity 3.9 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13333_MIRELLA-CL



OSRAM

Opto Semiconductors

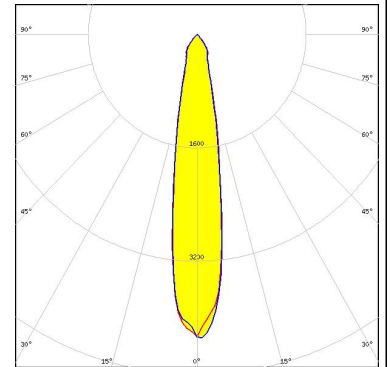
LED Soleriq S9
 FWHM / FWTM 21.0° / 55.0°
 Efficiency 86 %
 Peak intensity 3.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C12479_MIRELLA-DL



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:

As part of our continuous research and improvement processes, and to ensure the best possible quality and availability of our products, LEDiL reserves the right to change material grades without notice.

PRODUCT DATA USER AGREEMENT AND DISCLAIMER:

The measured data in the provided downloadable LEDiL Product Datasheets and Mechanical 2D-Drawings is rounded and provided as reference for planning. LEDiL Oy's optical specifications have been verified by conducting performance testing of the products in accordance with the company's quality system. The reported data are averaged results of multiple measurements with typical variation. LEDiL Oy reserves the right to without prior notification make changes and improvements to its products.

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