

MIRELLA-50-W

~40° wide beam

SPECIFICATION:

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

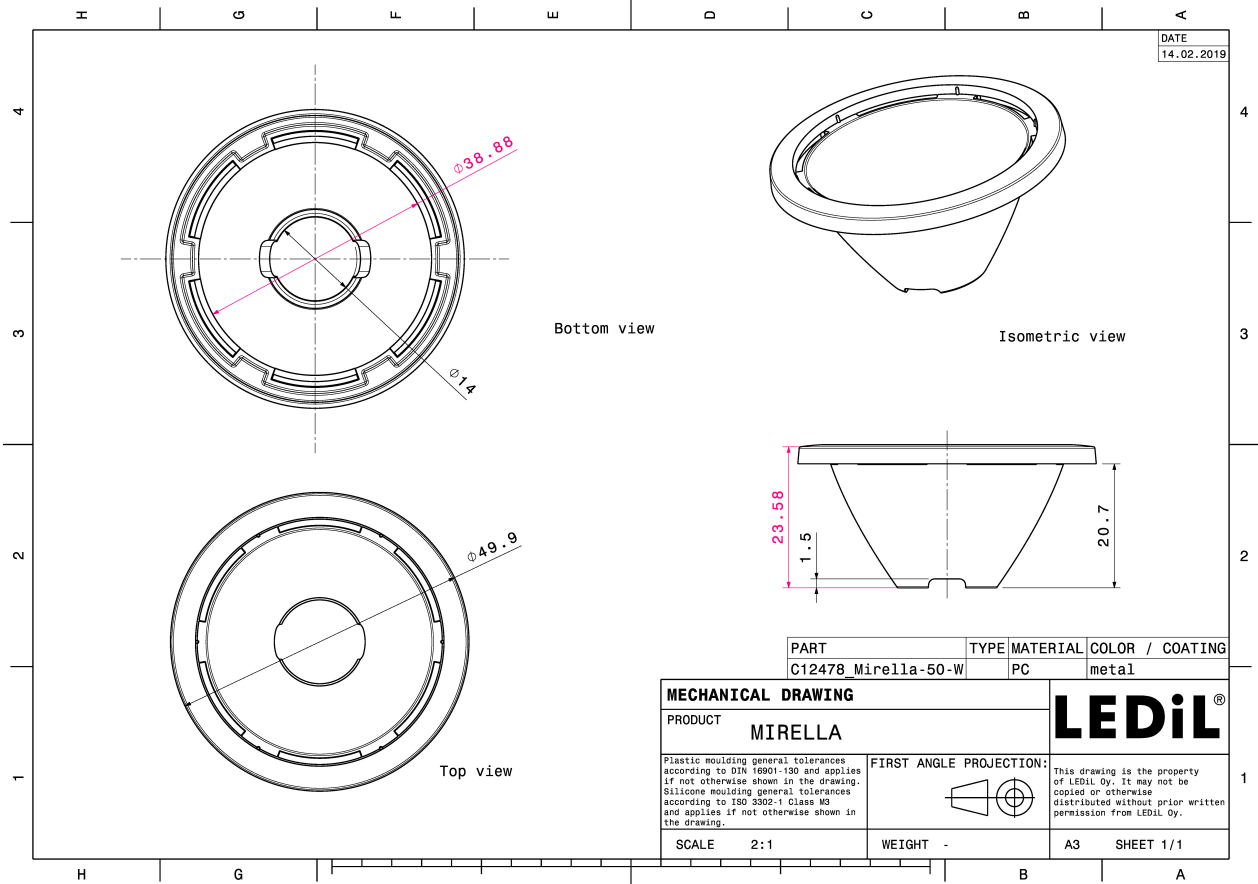
MATERIALS:

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



ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
C12478_MIRELLA-50-W » Box size: 480 x 280 x 300 mm	336	112	28	3.0

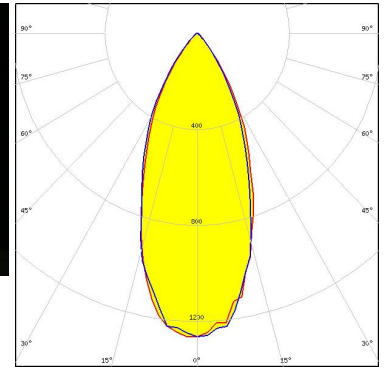


See also our general installation guide: www.ledil.com/installation_guide

OPTICAL RESULTS (MEASURED):

bridgelux

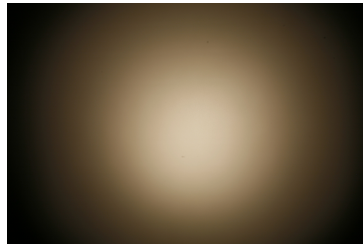
LED BXRA LS
 FWHM / FWTM 43.0° / 78.0°
 Efficiency 82 %
 Peak intensity 1.3 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C12479_MIRELLA-DL



Light distribution files

bridgelux

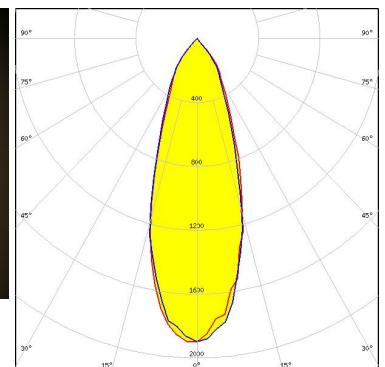
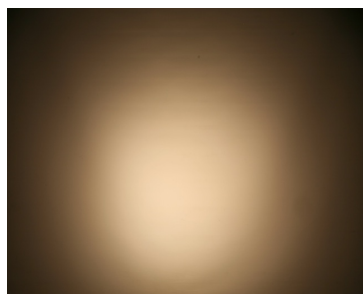
LED BXRA LS
 FWHM / FWTM 42.0° / 78.0°
 Efficiency 84 %
 Peak intensity 1.4 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C13333_MIRELLA-CL



Light distribution files

bridgelux

LED BXRA LS
 FWHM / FWTM 35.0° / 78.0°
 Efficiency 88 %
 Peak intensity 1.9 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files

OPTICAL RESULTS (MEASURED):

CITIZEN

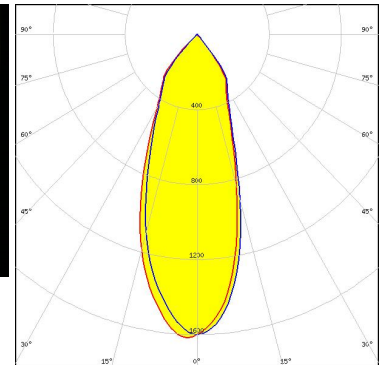
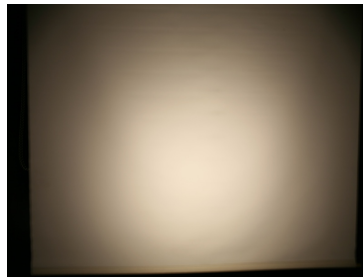
LED CLL01x
FWHM / FWTM 50.0° / 86.0°
Efficiency %
LEDs/each optic 1
Light colour/type White
Required components:
C12479_MIRELLA-DL



Light distribution files

CITIZEN

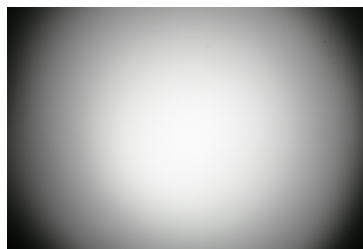
LED CLL01x
FWHM / FWTM 44.0° / 85.0°
Efficiency %
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

CITIZEN

LED CLL01x
FWHM / FWTM 48.0° / 80.0°
Efficiency 84 %
Peak intensity 1.2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
C13333_MIRELLA-CL

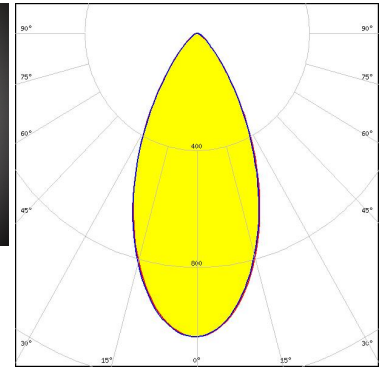
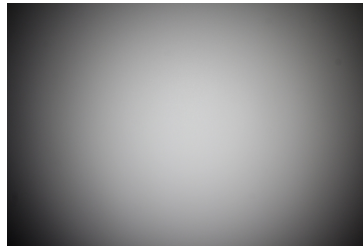


Light distribution files

OPTICAL RESULTS (MEASURED):

CITIZEN

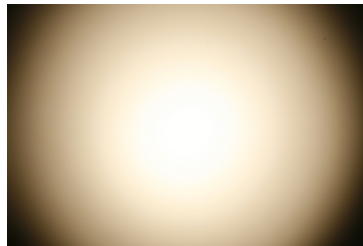
LED CLL02x/CLU02x (LES10)
FWHM / FWTM 50.0° / 87.0°
Efficiency 82 %
Peak intensity 1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
C13723_MIRELLA-RZL



Light distribution files

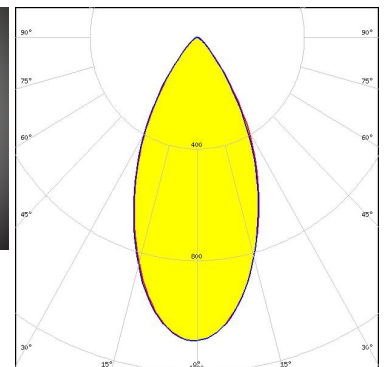
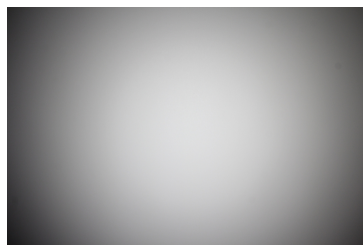
CITIZEN

LED CLL02x/CLU02x (LES10)
FWHM / FWTM 46.0° / 78.0°
Efficiency 84 %
Peak intensity 1.2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
C13333_MIRELLA-CL



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LED CLL02x/CLU02x (LES10)
FWHM / FWTM 50.0° / 84.0°
Efficiency 83 %
Peak intensity 1.1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
C12479_MIRELLA-DL



Light distribution files

OPTICAL RESULTS (MEASURED):

CITIZEN

LED CLL02x/CLU02x (LES10)
FWHM / FWTM 48.0° / 82.0°
Efficiency 82 %
LEDs/each optic 1
Light colour/type White
Required components:
C12479_MIRELLA-DL



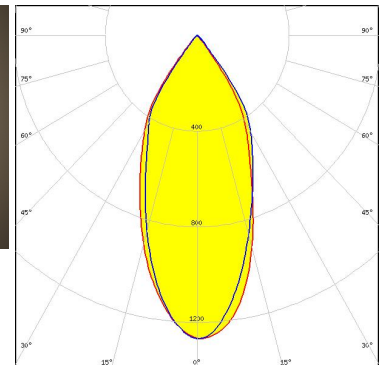
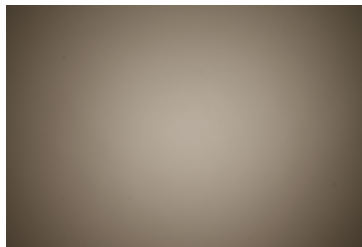
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LED CLL02x/CLU02x (LES10)
FWHM / FWTM 42.0° / 82.0°
Efficiency 90 %
LEDs/each optic 1
Light colour/type White
Required components:



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LED CLU700/701/702/703
FWHM / FWTM 44.0° / 77.0°
Efficiency 82 %
Peak intensity 1.3 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
C13333_MIRELLA-CL

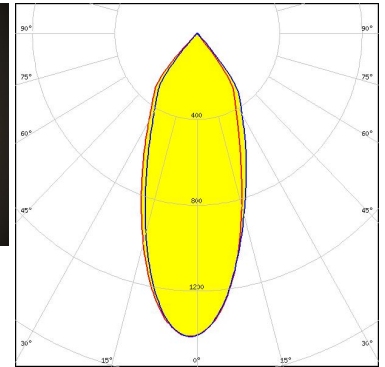


Light distribution files

OPTICAL RESULTS (MEASURED):

CITIZEN

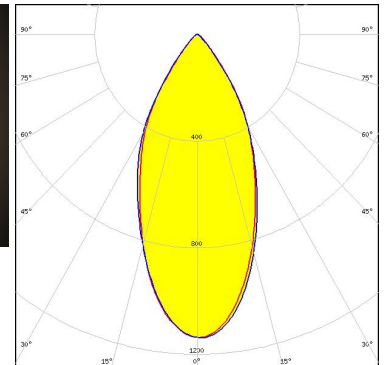
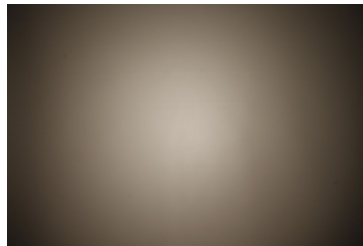
LED CLU700/701/702/703
FWHM / FWTM 40.0° / 83.0°
Efficiency 88 %
Peak intensity 1.4 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

CITIZEN

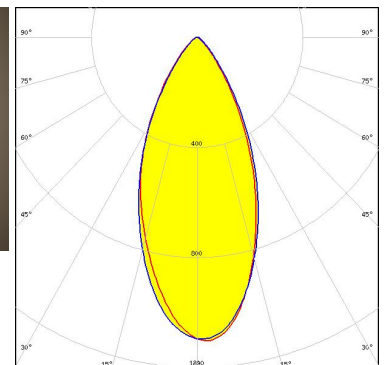
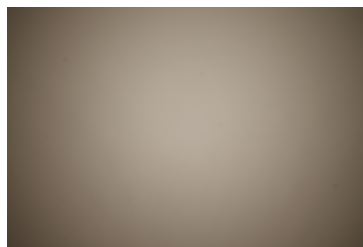
LED CLU700/701/702/703
FWHM / FWTM 47.0° / 81.0°
Efficiency 82 %
Peak intensity 1.1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
C12479_MIRELLA-DL



Light distribution files

CITIZEN

LED CLU700/701/702/703
FWHM / FWTM 46.0° / 83.0°
Efficiency 80 %
Peak intensity 1.1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
C13723_MIRELLA-RZL

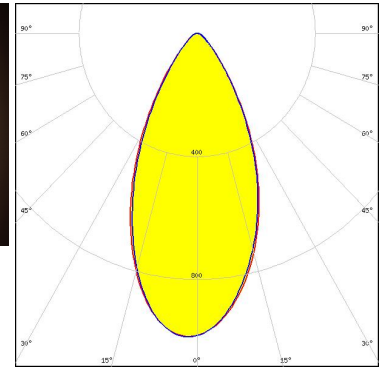
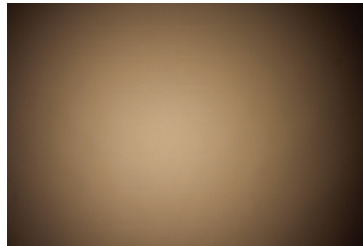


Light distribution files

OPTICAL RESULTS (MEASURED):

CITIZEN

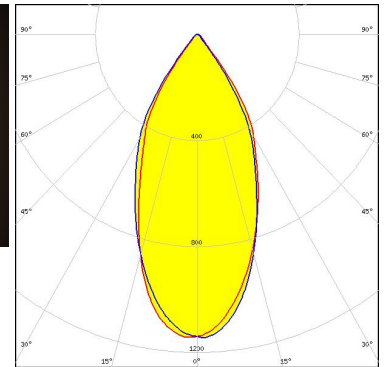
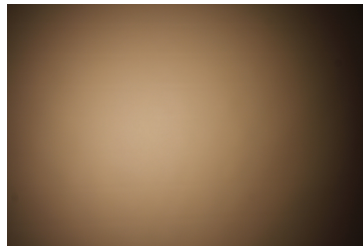
LED CLU710/711
 FWHM / FWTM 49.0° / 87.0°
 Efficiency 80 %
 Peak intensity 1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C13723_MIRELLA-RZL



Light distribution files

CITIZEN

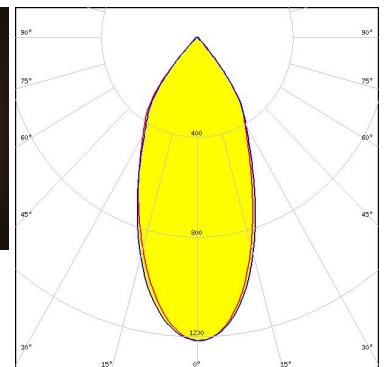
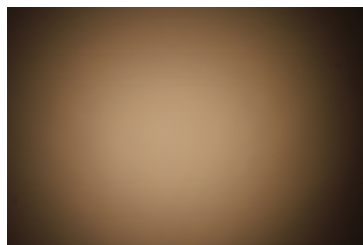
LED CLU710/711
 FWHM / FWTM 48.0° / 79.0°
 Efficiency 83 %
 Peak intensity 1.1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C13333_MIRELLA-CL



Light distribution files

CITIZEN

LED CLU710/711
 FWHM / FWTM 46.0° / 84.0°
 Efficiency 88 %
 Peak intensity 1.2 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

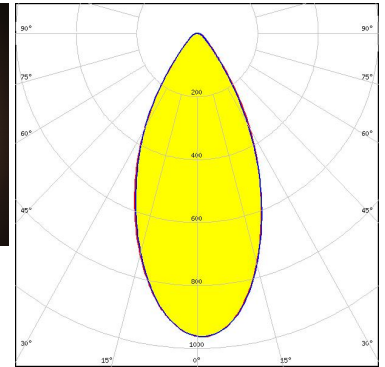
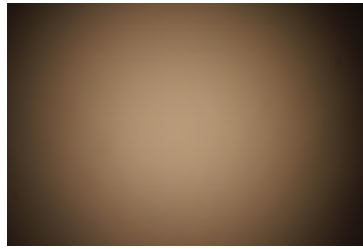


Light distribution files

OPTICAL RESULTS (MEASURED):

CITIZEN

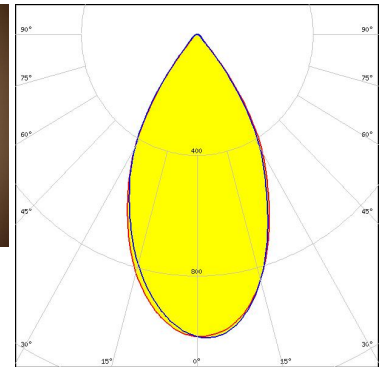
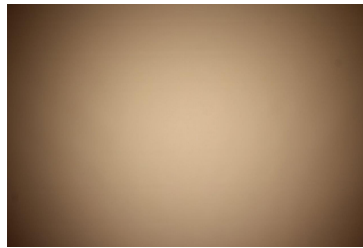
LED CLU710/711
FWHM / FWTM 50.0° / 85.0°
Efficiency 79 %
Peak intensity 1 cd/m
LEDs/each optic 1
Light colour/type White
Required components:
C12479_MIRELLA-DL



Light distribution files

CITIZEN

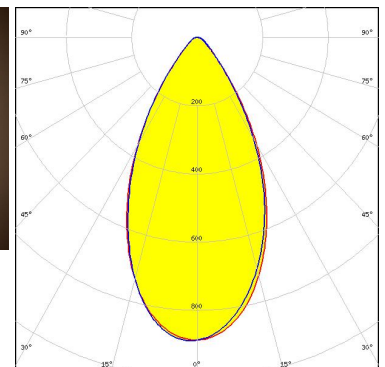
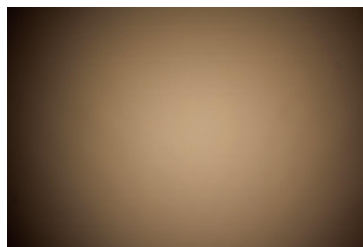
LED CLU720/721/723
FWHM / FWTM 55.0° / 81.0°
Efficiency 83 %
Peak intensity 1 cd/m
LEDs/each optic 1
Light colour/type White
Required components:
C13333_MIRELLA-CL



Light distribution files

CITIZEN

LED CLU720/721/723
FWHM / FWTM 53.0° / 88.0°
Efficiency 79 %
Peak intensity 0.9 cd/m
LEDs/each optic 1
Light colour/type White
Required components:
C12479_MIRELLA-DL

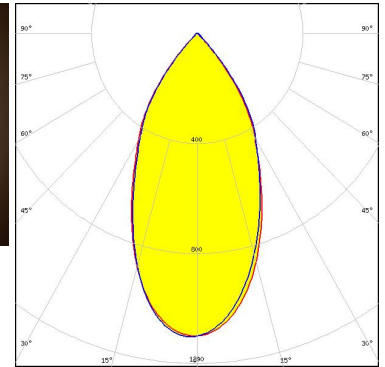
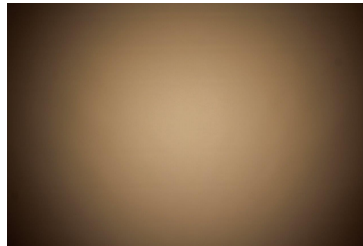


Light distribution files

OPTICAL RESULTS (MEASURED):

CITIZEN

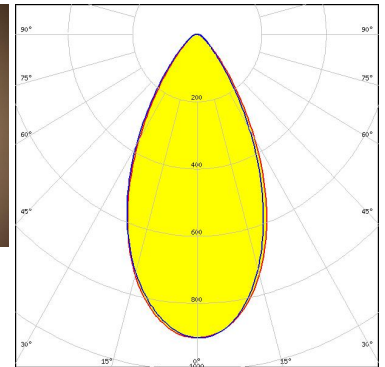
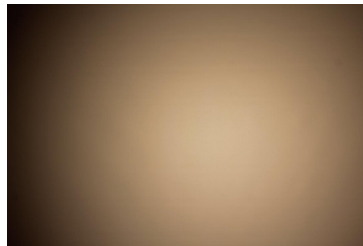
LED CLU720/721/723
 FWHM / FWTM 51.0° / 85.0°
 Efficiency 88 %
 Peak intensity 1.1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files

CITIZEN

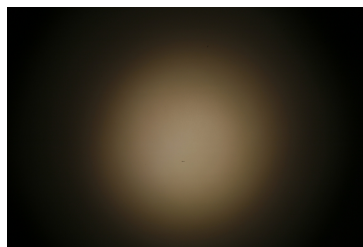
LED CLU720/721/723
 FWHM / FWTM 53.0° / 90.0°
 Efficiency 80 %
 Peak intensity 0.9 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C13723_MIRELLA-RZL



Light distribution files



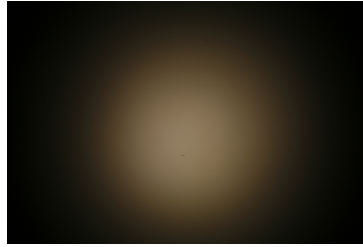
LED CXA/B 13xx
 FWHM / FWTM 42.0° / 76.0°
 Efficiency 81 %
 Peak intensity 1.5 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C13333_MIRELLA-CL



OPTICAL RESULTS (MEASURED):



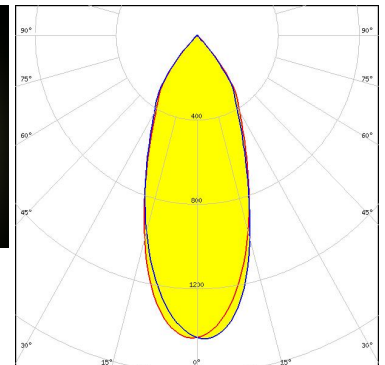
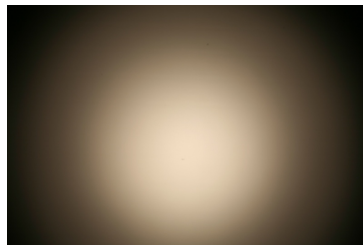
LED CXA/B 13xx
FWHM / FWTM 43.0° / 76.0°
Efficiency 81 %
Peak intensity 1.4 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
C12479_MIRELLA-DL



LED CXA/B 13xx
FWHM / FWTM 37.0° / 80.0°
Efficiency 86 %
Peak intensity 1.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



LED CXA/B 15xx
FWHM / FWTM 42.0° / 84.0°
Efficiency 91 %
Peak intensity 1.4 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

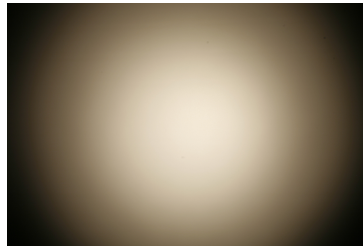


Light distribution files

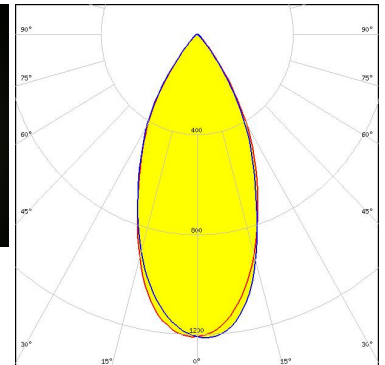
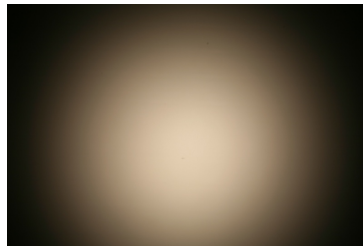
OPTICAL RESULTS (MEASURED):



LED CXA/B 15xx
FWHM / FWTM 46.0° / 79.0°
Efficiency 85 %
Peak intensity 1.4 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
C13333_MIRELLA-CL



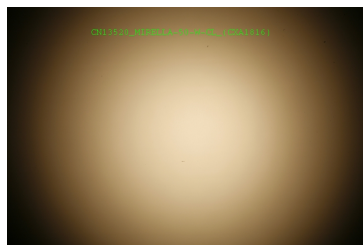
LED CXA/B 15xx
FWHM / FWTM 50.0° / 82.0°
Efficiency 87 %
Peak intensity 1.1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
C12479_MIRELLA-DL



Light distribution files



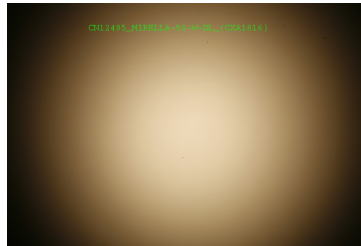
LED CXA/B 1816 & CXA/B 1820 & CXA 1850
FWHM / FWTM 56.0° / 84.0°
Efficiency 82 %
Peak intensity 1.1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
C13333_MIRELLA-CL



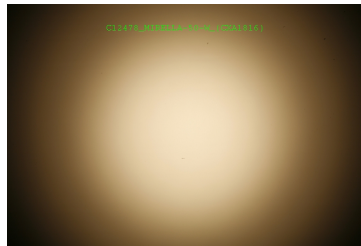
OPTICAL RESULTS (MEASURED):



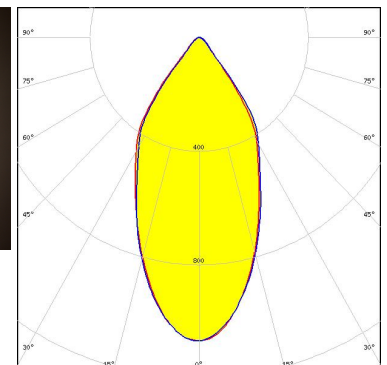
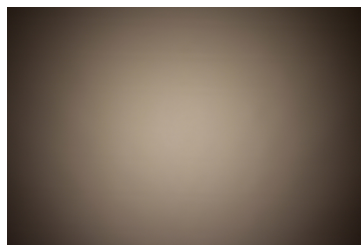
LED CXA/B 1816 & CXA/B 1820 & CXA 1850
 FWHM / FWTM 52.0° / 84.0°
 Efficiency 82 %
 Peak intensity 1.2 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C12479_MIRELLA-DL



LED CXA/B 1816 & CXA/B 1820 & CXA 1850
 FWHM / FWTM 52.0° / 88.0°
 Efficiency 87 %
 Peak intensity 1.2 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



LED MHD-E/G
 FWHM / FWTM 50.0° / 83.0°
 Efficiency 87 %
 Peak intensity 1.1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C13333_MIRELLA-CL

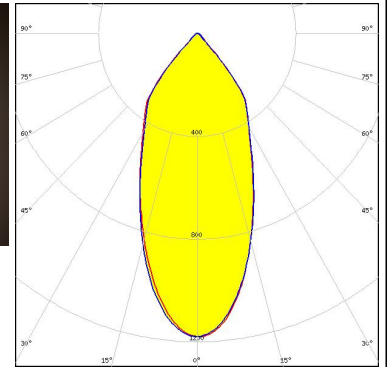
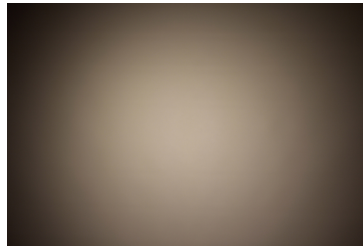


Light distribution files

OPTICAL RESULTS (MEASURED):



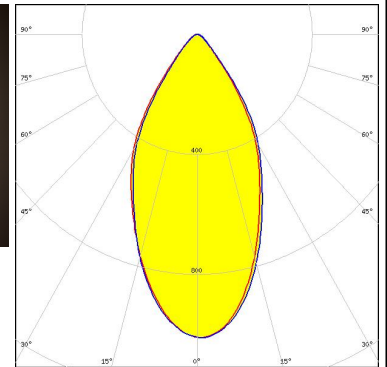
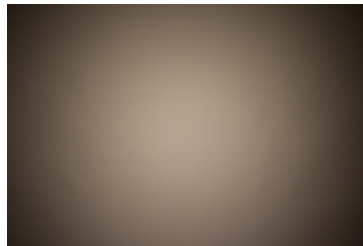
LED MHD-E/G
 FWHM / FWTM 46.0° / 88.0°
 Efficiency 92 %
 Peak intensity 1.2 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



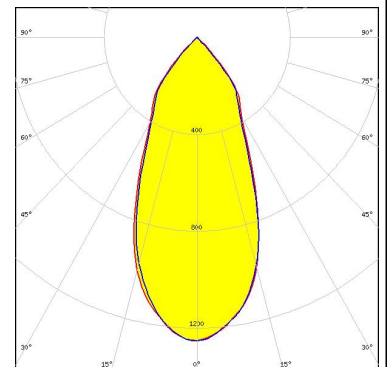
LED MHD-E/G
 FWHM / FWTM 52.0° / 87.0°
 Efficiency 87 %
 Peak intensity 1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C12479_MIRELLA-DL



Light distribution files



LED MT-G
 FWHM / FWTM 46.0° / 86.0°
 Efficiency 90 %
 Peak intensity 1.3 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

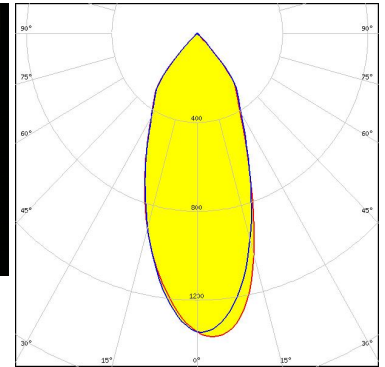


Light distribution files

OPTICAL RESULTS (MEASURED):



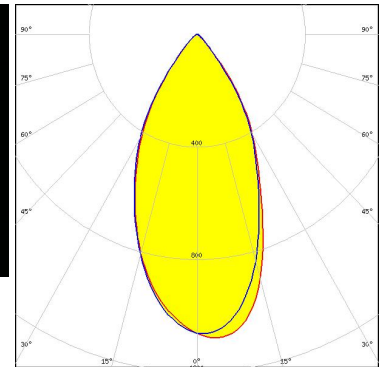
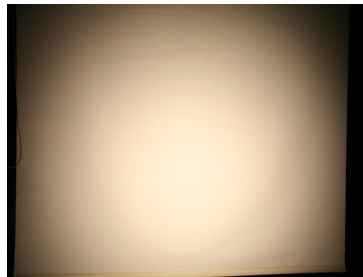
LED MT-G2
FWHM / FWTM 46.0° / 86.0°
Efficiency 91 %
Peak intensity 1.4 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



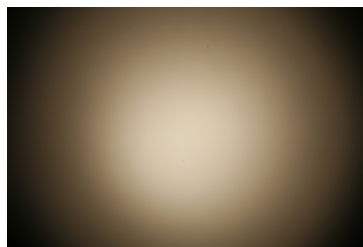
LED MT-G2
FWHM / FWTM 52.0° / 87.0°
Efficiency 83 %
Peak intensity 1.1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
C12479_MIRELLA-DL



Light distribution files



LED MT-G2
FWHM / FWTM 50.0° / 82.0°
Efficiency 84 %
Peak intensity 1.1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
C13333_MIRELLA-CL

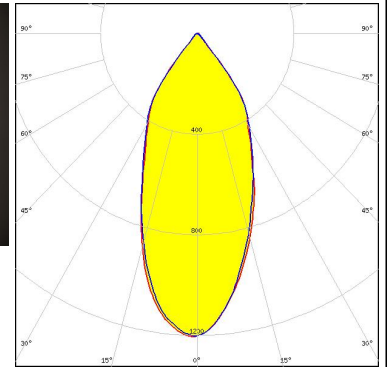
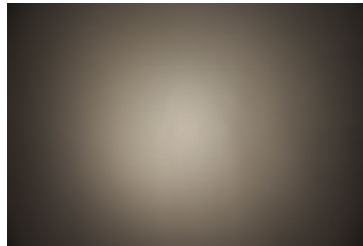


Light distribution files

OPTICAL RESULTS (MEASURED):



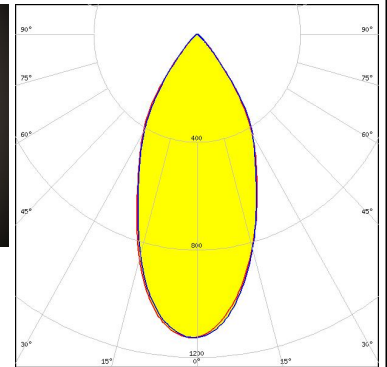
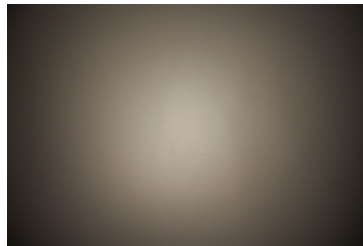
LED XHP50
 FWHM / FWTM 45.0° / 80.0°
 Efficiency 84 %
 Peak intensity 1.2 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C13333_MIRELLA-CL



Light distribution files



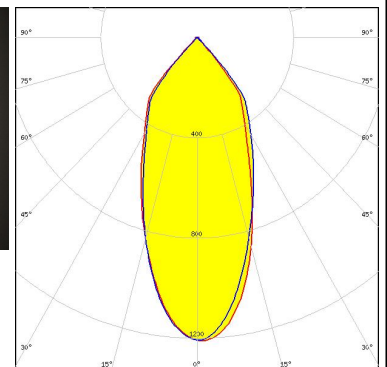
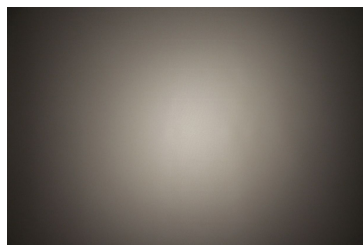
LED XHP50
 FWHM / FWTM 48.0° / 82.0°
 Efficiency 85 %
 Peak intensity 1.1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C12479_MIRELLA-DL



Light distribution files



LED XHP50
 FWHM / FWTM 45.0° / 87.0°
 Efficiency 89 %
 Peak intensity 1.2 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

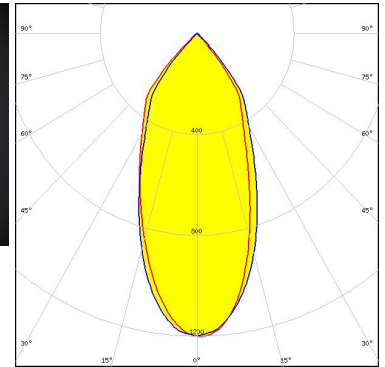
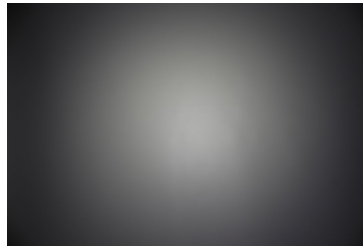


Light distribution files

OPTICAL RESULTS (MEASURED):



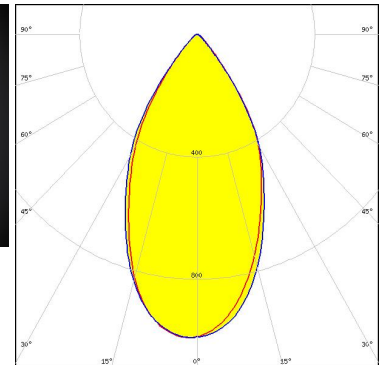
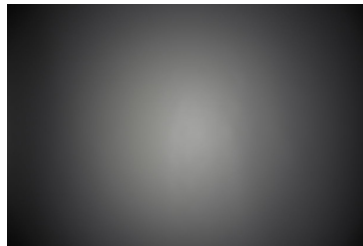
LED XHP70
 FWHM / FWTM 45.0° / 87.0°
 Efficiency 89 %
 Peak intensity 1.2 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



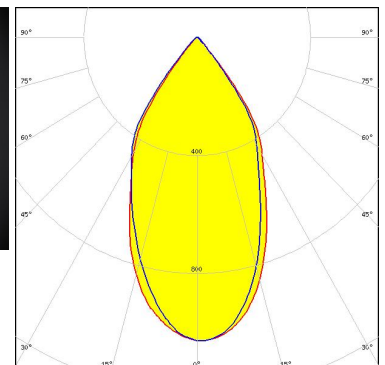
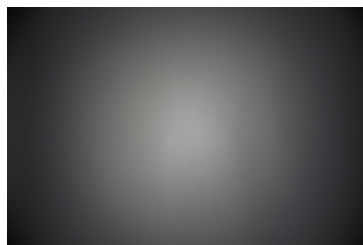
LED XHP70
 FWHM / FWTM 54.0° / 85.0°
 Efficiency 84 %
 Peak intensity 1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C12479_MIRELLA-DL



Light distribution files



LED XHP70
 FWHM / FWTM 53.0° / 83.0°
 Efficiency 84 %
 Peak intensity 1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C13333_MIRELLA-CL

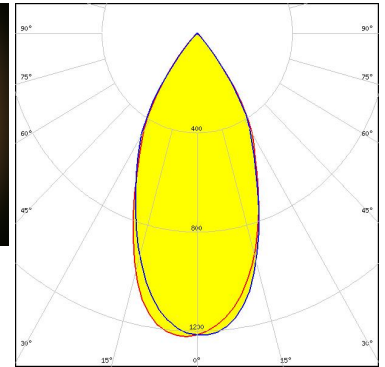
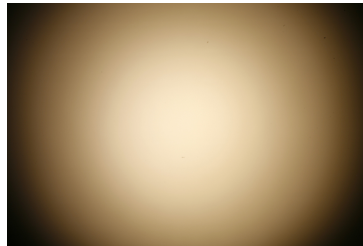


Light distribution files

OPTICAL RESULTS (MEASURED):



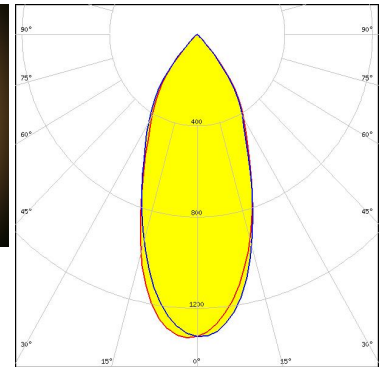
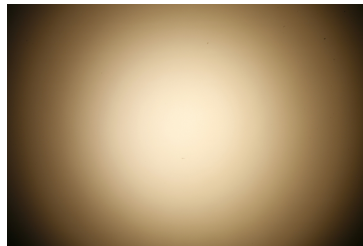
LED LUXEON CoB 1202/1203
FWHM / FWTM 49.0° / 80.0°
Efficiency 84 %
Peak intensity 1.2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
C13333_MIRELLA-CL



Light distribution files



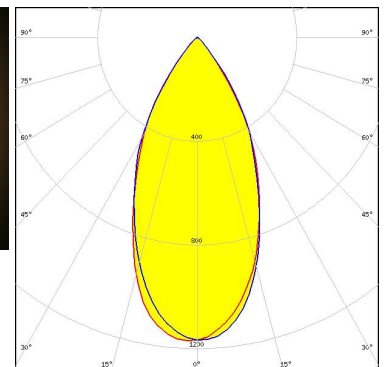
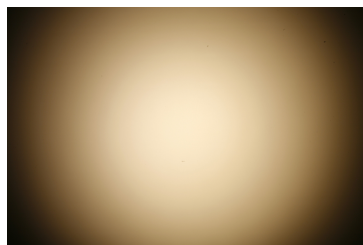
LED LUXEON CoB 1202/1203
FWHM / FWTM 44.0° / 84.0°
Efficiency 87 %
Peak intensity 1.3 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED LUXEON CoB 1202/1203
FWHM / FWTM 50.0° / 81.0°
Efficiency 84 %
Peak intensity 1.2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
C12479_MIRELLA-DL



Light distribution files

OPTICAL RESULTS (MEASURED):



LED LUXEON S1000
FWHM / FWTM 34.0° / 79.0°
Efficiency %
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



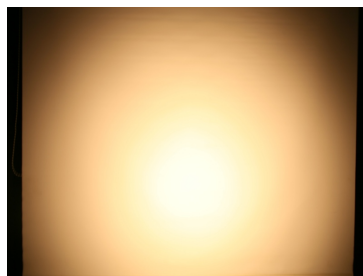
LED LUXEON S1000
FWHM / FWTM 34.0° / 75.0°
Efficiency 84 %
Peak intensity 1.7 cd/m
LEDs/each optic 1
Light colour/type White
Required components:
C13333_MIRELLA-CL



Light distribution files

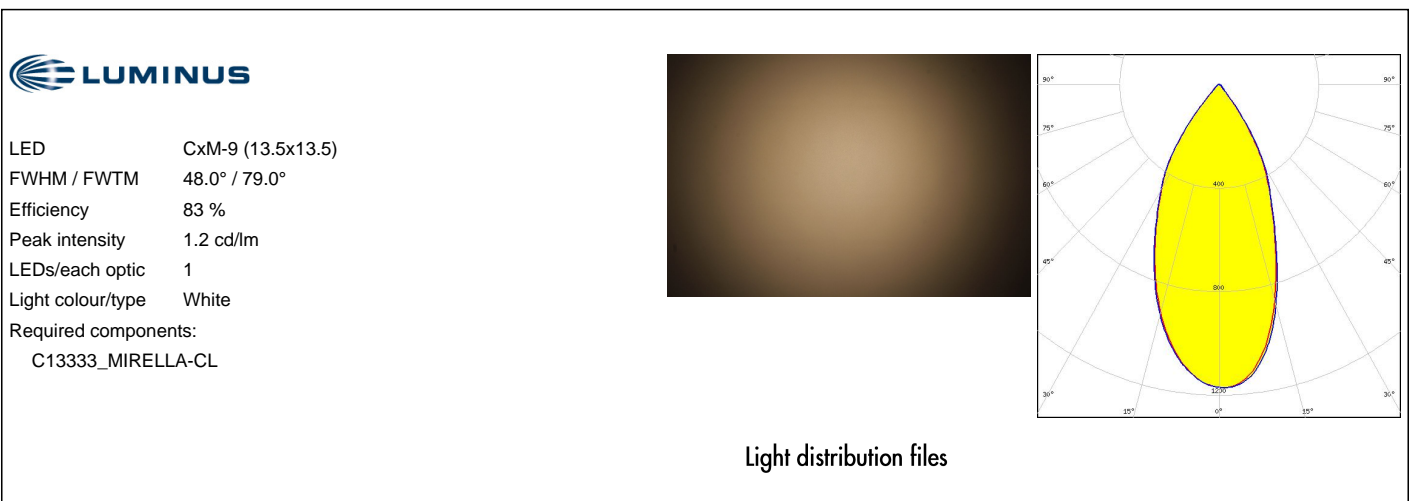
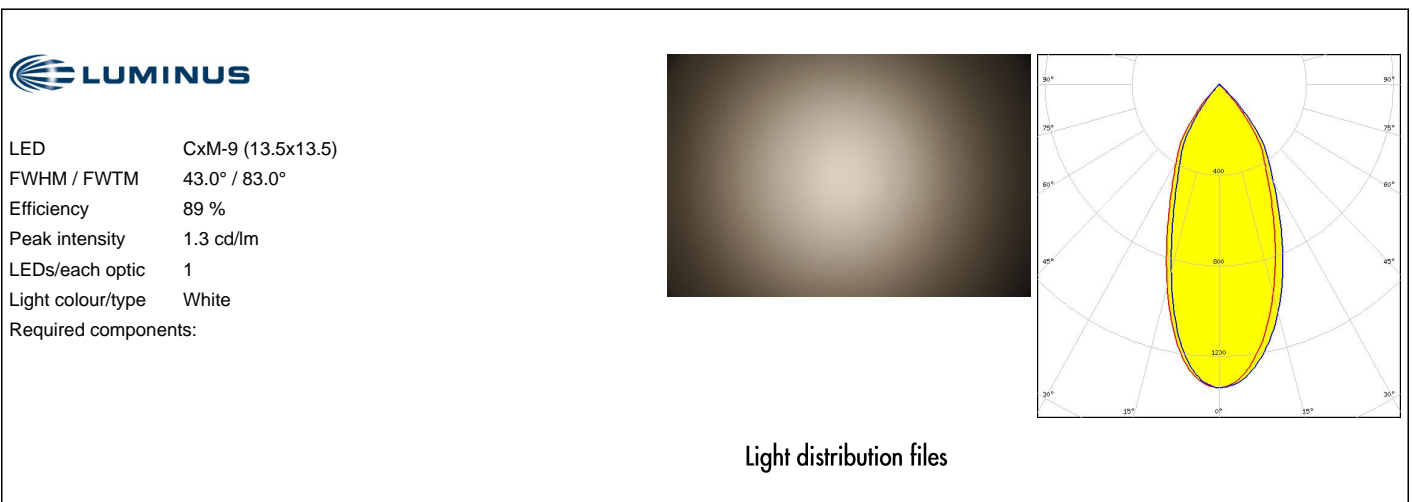
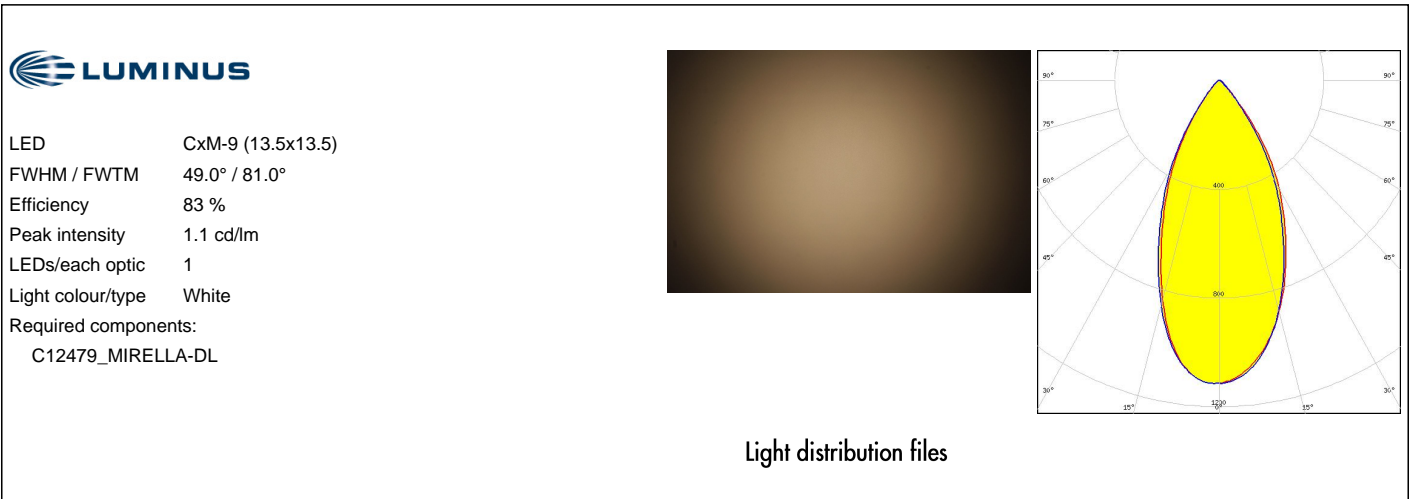


LED LUXEON S1000
FWHM / FWTM 41.0° / 79.0°
Efficiency %
LEDs/each optic 1
Light colour/type White
Required components:
C12479_MIRELLA-DL



Light distribution files

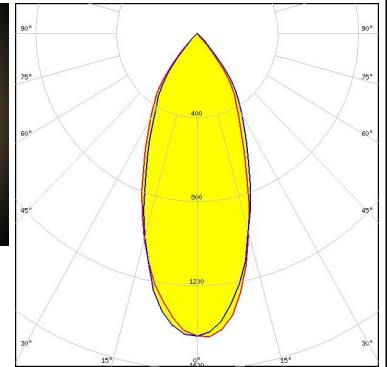
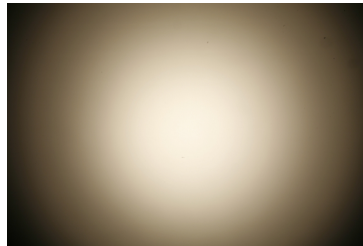
OPTICAL RESULTS (MEASURED):



OPTICAL RESULTS (MEASURED):



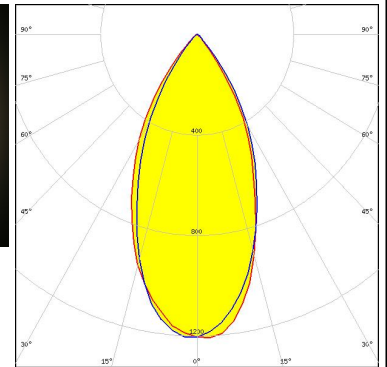
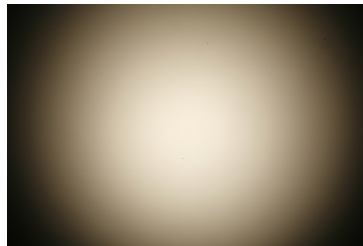
LED COB L-Type (LES 9)
 FWHM / FWTM 42.0° / 82.0°
 Efficiency 89 %
 Peak intensity 1.4 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



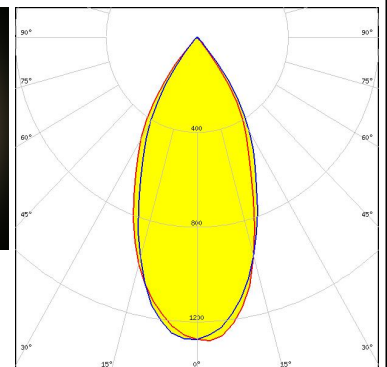
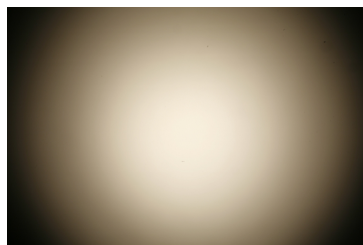
LED COB L-Type (LES 9)
 FWHM / FWTM 48.0° / 80.0°
 Efficiency 83 %
 Peak intensity 1.2 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C12479_MIRELLA-DL



Light distribution files

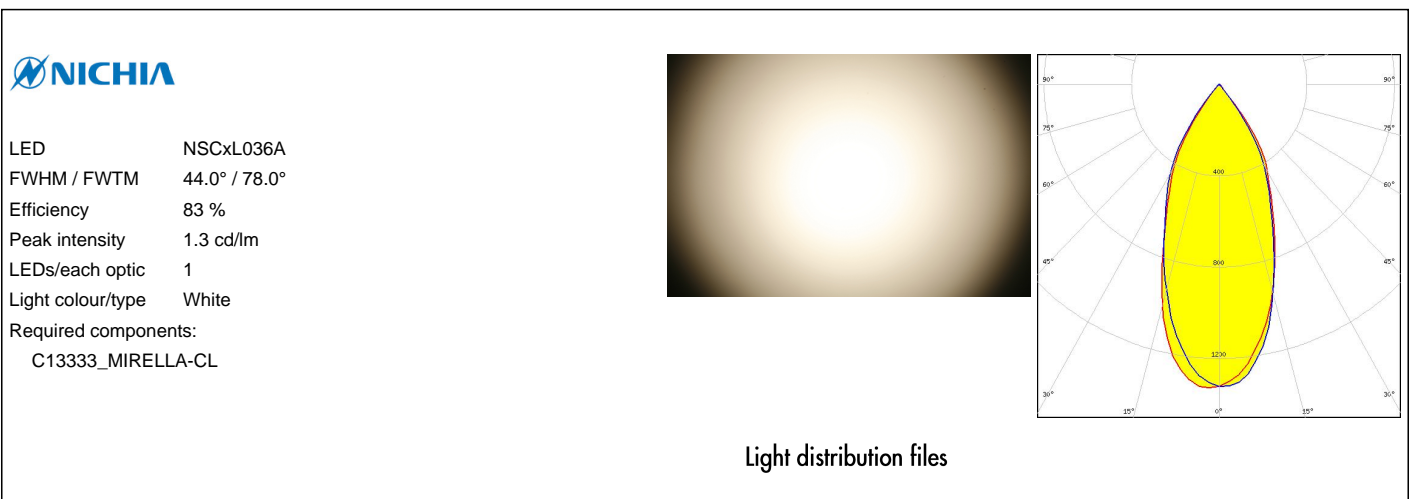
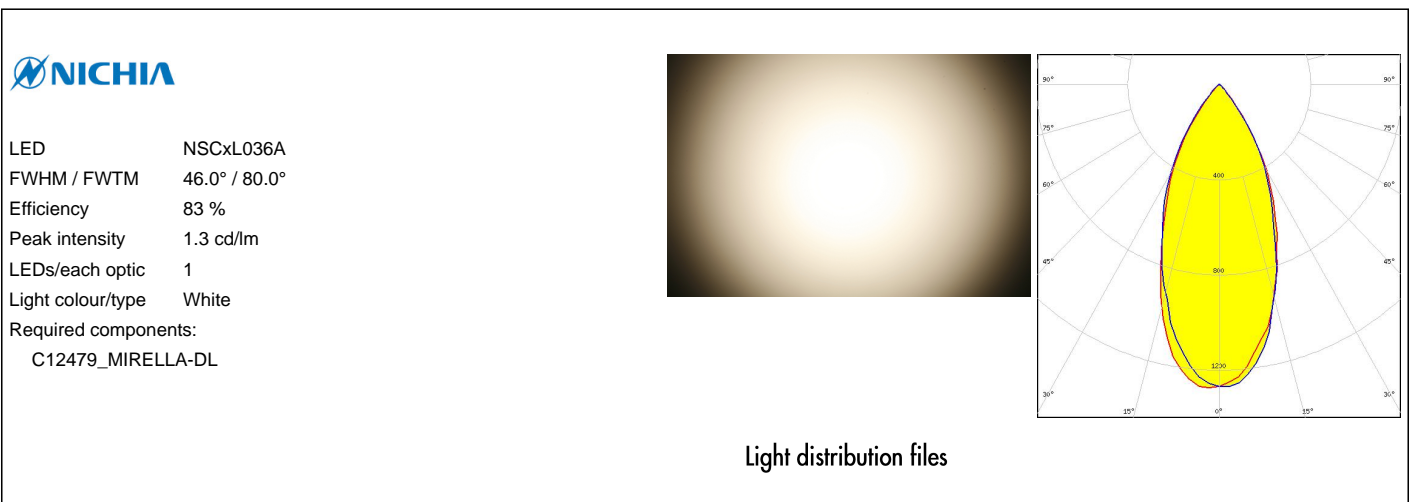
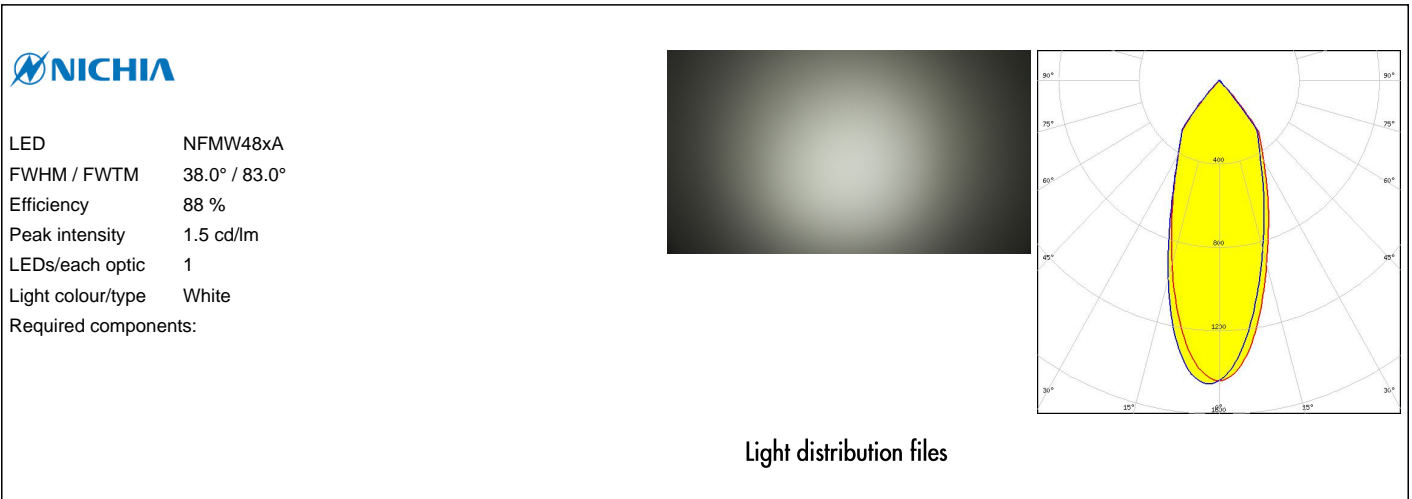


LED COB L-Type (LES 9)
 FWHM / FWTM 47.0° / 79.0°
 Efficiency 85 %
 Peak intensity 1.3 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C13333_MIRELLA-CL



Light distribution files

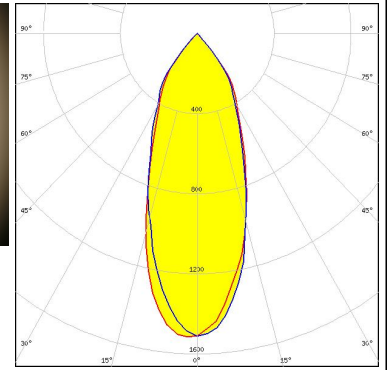
OPTICAL RESULTS (MEASURED):



OPTICAL RESULTS (MEASURED):



LED NSCxL036A
FWHM / FWTM 40.0° / 82.0°
Efficiency 87 %
Peak intensity 1.5 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

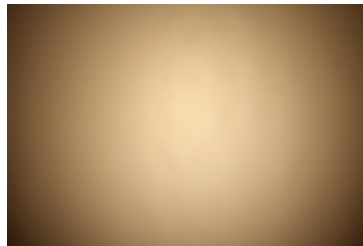


Light distribution files



Opto Semiconductors

LED Duris S10
FWHM / FWTM 49.0° / 86.0°
Efficiency 79 %
Peak intensity 1.1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
C12479_MIRELLA-DL

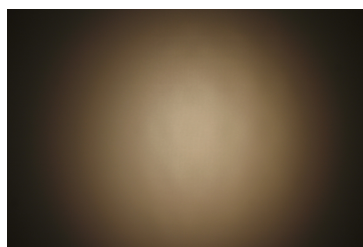


Light distribution files



Opto Semiconductors

LED Duris S10
FWHM / FWTM 40.0° / 84.0°
Efficiency 87 %
Peak intensity 1.5 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

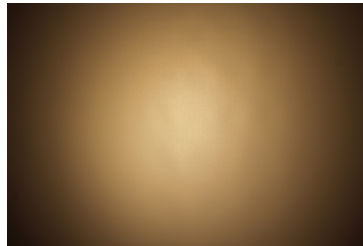


Light distribution files

OPTICAL RESULTS (MEASURED):

OSRAM
Opto Semiconductors

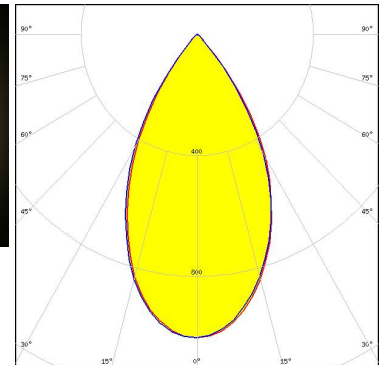
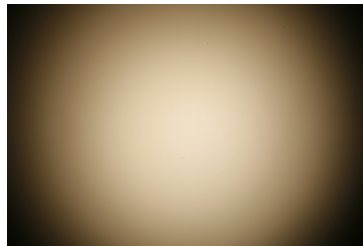
LED Duris S10
 FWHM / FWTM 45.0° / 79.0°
 Efficiency 82 %
 Peak intensity 1.3 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C13333_MIRELLA-CL



Light distribution files

OSRAM
Opto Semiconductors

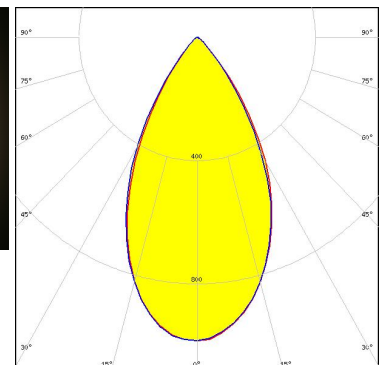
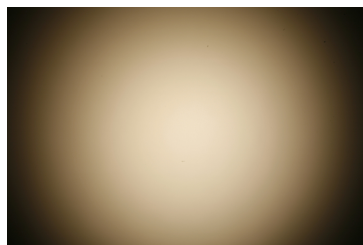
LED Soleriq S13
 FWHM / FWTM 57.0° / 83.0°
 Efficiency 80 %
 Peak intensity 1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C13333_MIRELLA-CL



Light distribution files

OSRAM
Opto Semiconductors

LED Soleriq S13
 FWHM / FWTM 57.0° / 85.0°
 Efficiency 81 %
 Peak intensity 1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C12479_MIRELLA-DL

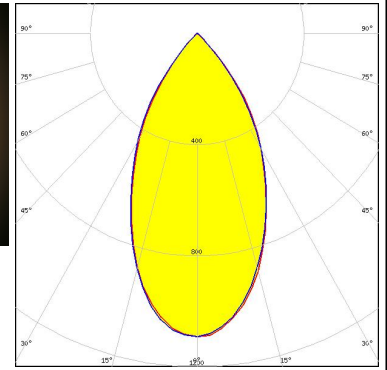


Light distribution files

OPTICAL RESULTS (MEASURED):

OSRAM
Opto Semiconductors

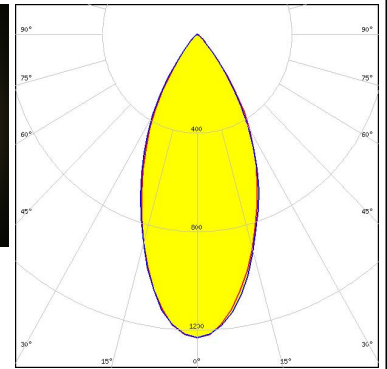
LED Soleriq S13
 FWHM / FWTM 55.0° / 86.0°
 Efficiency 85 %
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files

SEOL
SEOUL SEMICONDUCTOR

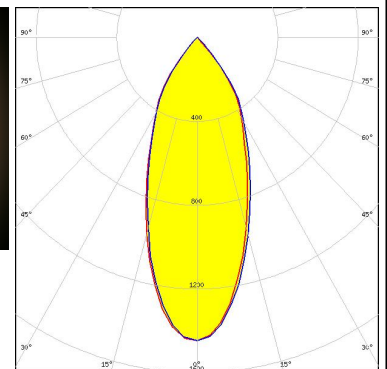
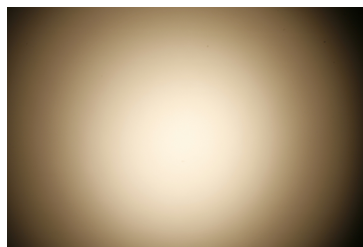
LED ZC4/6
 FWHM / FWTM 48.0° / 80.0°
 Efficiency 81 %
 Peak intensity 1.2 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C12479_MIRELLA-DL



Light distribution files

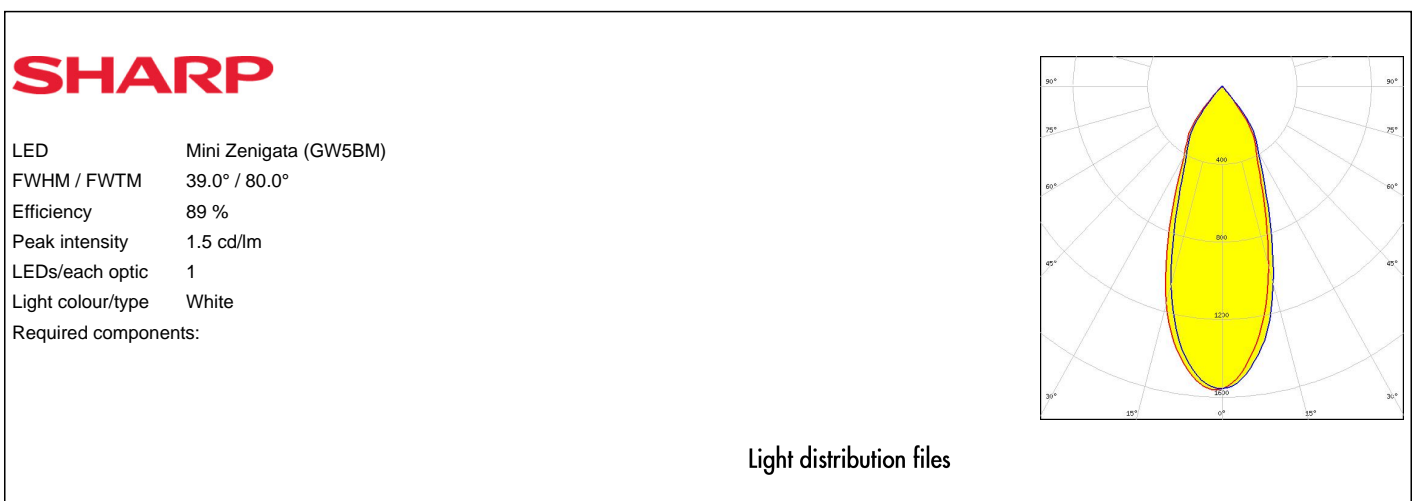
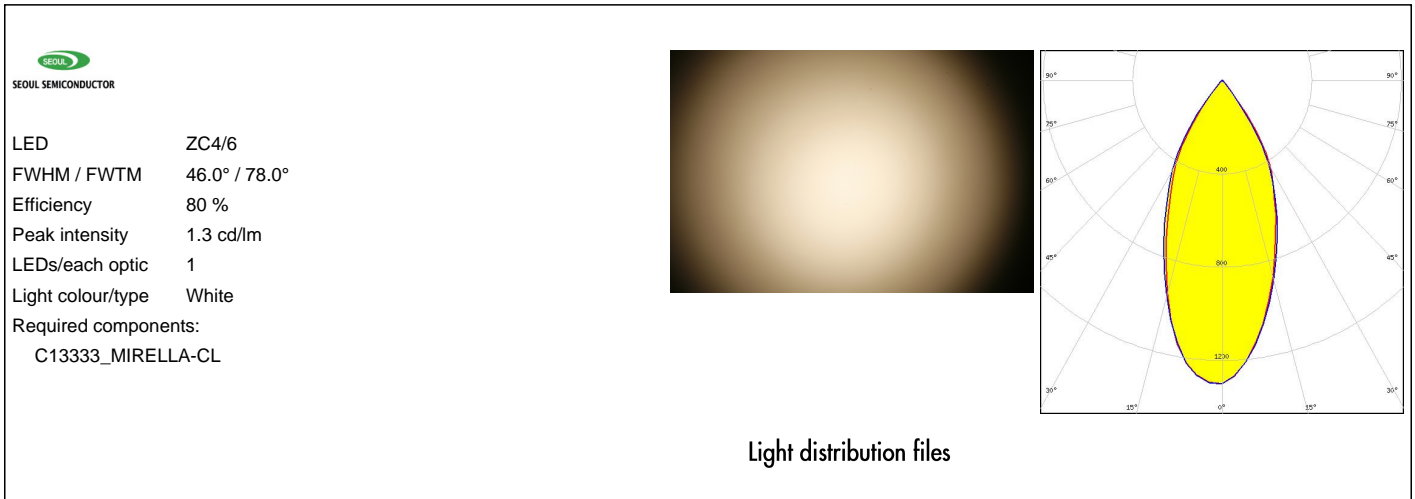
SEOL
SEOUL SEMICONDUCTOR

LED ZC4/6
 FWHM / FWTM 42.0° / 82.0°
 Efficiency 86 %
 Peak intensity 1.4 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files

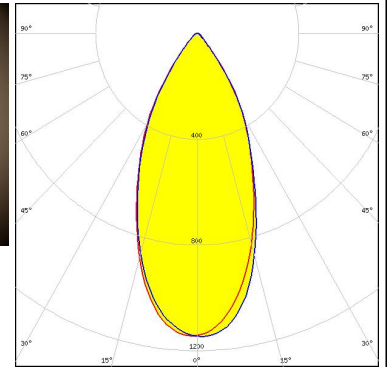
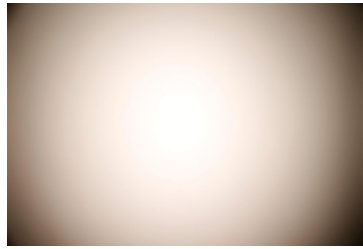
OPTICAL RESULTS (MEASURED):



OPTICAL RESULTS (MEASURED):

SHARP

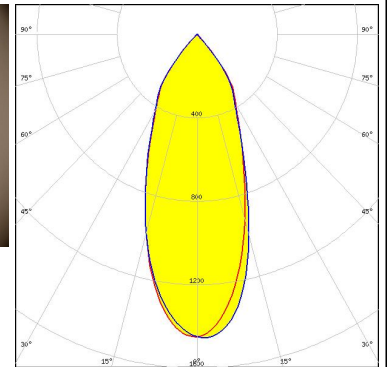
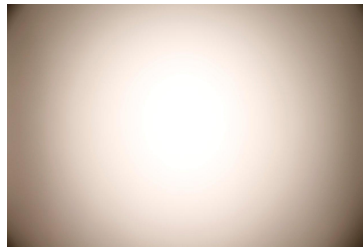
LED Mini Zenigata (GW6BM)
FWHM / FWTM 45.0° / 80.0°
Efficiency 81 %
Peak intensity 1.1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
C12479_MIRELLA-DL



Light distribution files

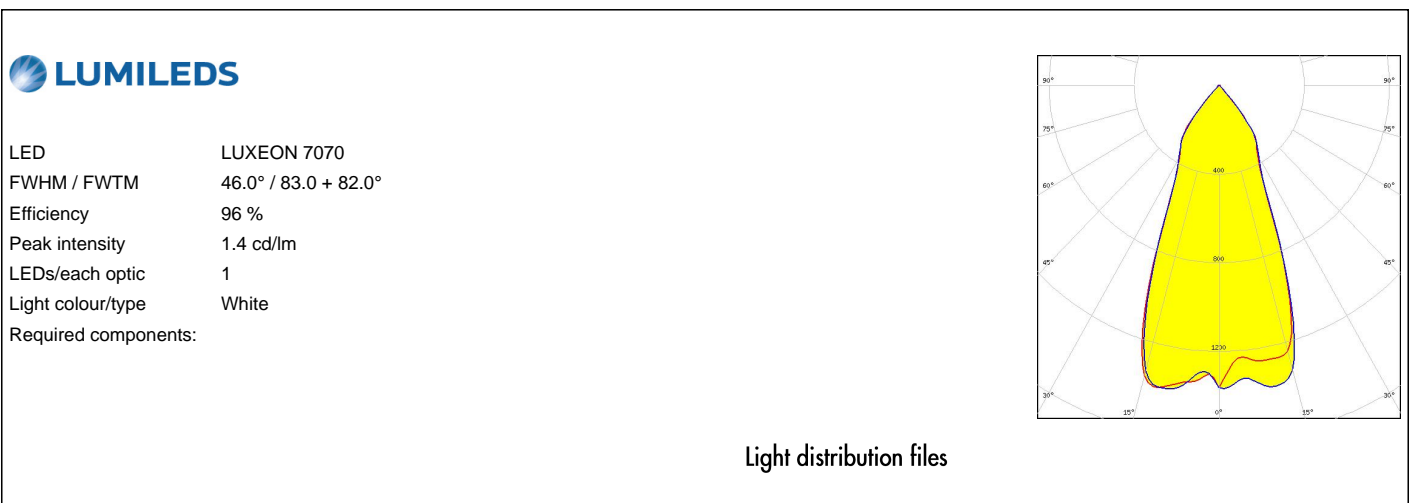
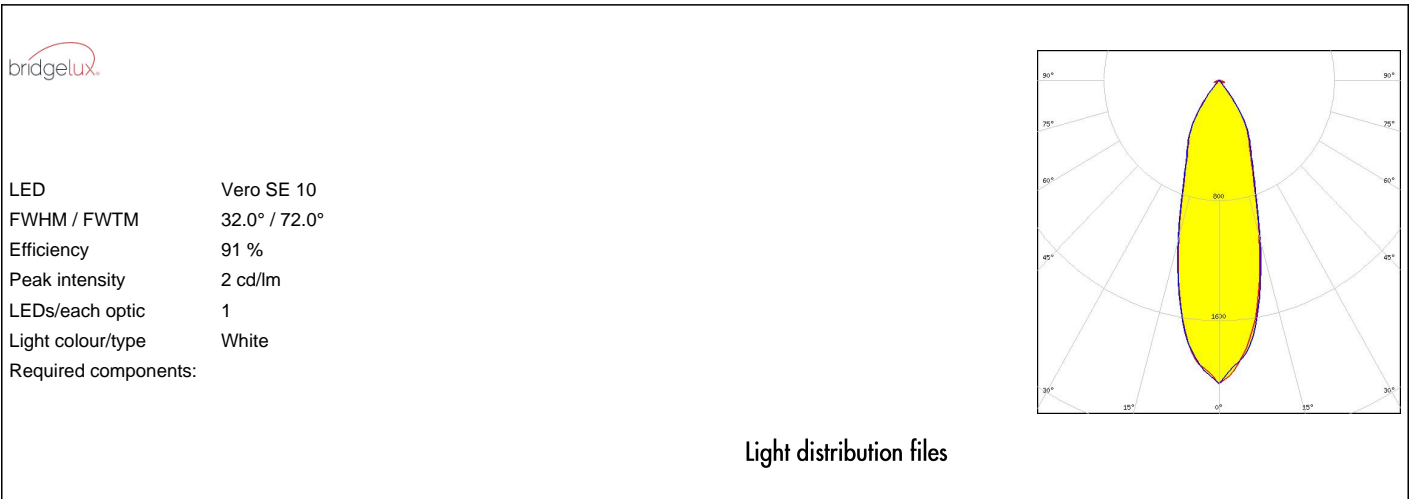
SHARP

LED Mini Zenigata (GW6BM)
FWHM / FWTM 38.0° / 81.0°
Efficiency 88 %
Peak intensity 1.5 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

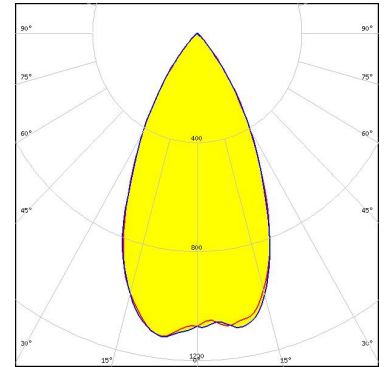
OPTICAL RESULTS (SIMULATED):



OPTICAL RESULTS (SIMULATED):

OSRAM
Opto Semiconductors

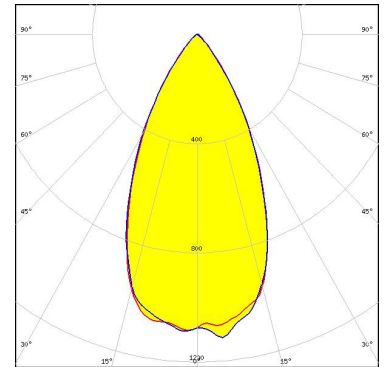
LED Soleriq S9
 FWHM / FWTM 51.0° / 80.0°
 Efficiency 85 %
 Peak intensity 1.1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C12479_MIRELLA-DL



Light distribution files

OSRAM
Opto Semiconductors

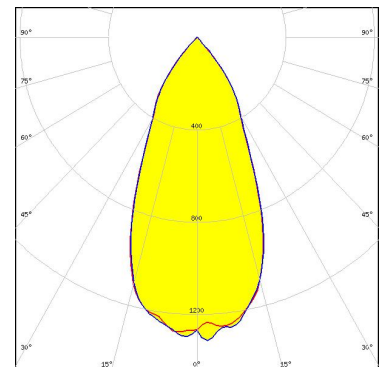
LED Soleriq S9
 FWHM / FWTM 51.0° / 81.0°
 Efficiency 85 %
 Peak intensity 1.1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C13723_MIRELLA-RZL



Light distribution files

OSRAM
Opto Semiconductors

LED Soleriq S9
 FWHM / FWTM 47.0° / 83.0°
 Efficiency 91 %
 Peak intensity 1.3 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



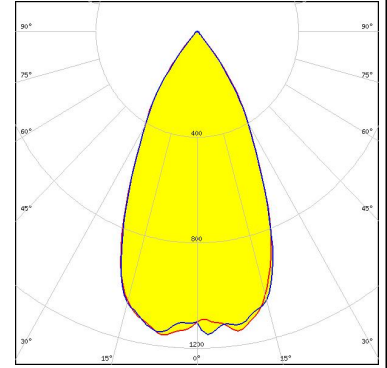
Light distribution files

OPTICAL RESULTS (SIMULATED):

OSRAM
Opto Semiconductors

LED Soleriq S9
FWHM / FWTM 50.0° / 78.0°
Efficiency 87 %
Peak intensity 1.2 cd/lm
LEDs/each optic 1
Light colour/type White

Required components:
C13333_MIRELLA-CL



Light distribution files

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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P.R.CHINA

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where_to_buy](http://www.ledil.com/where_to_buy)

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Hong Kong, China

Distribution Partners

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