

MIRELLA-50-M

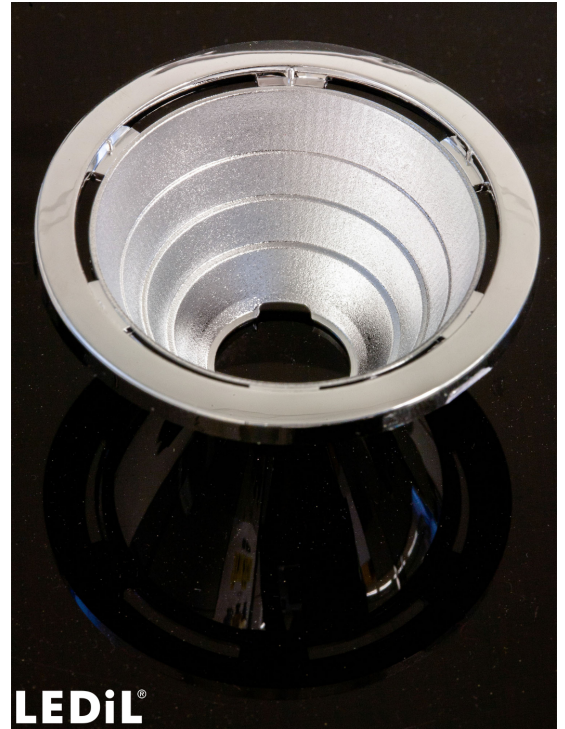
~30° medium beam

SPECIFICATION:

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

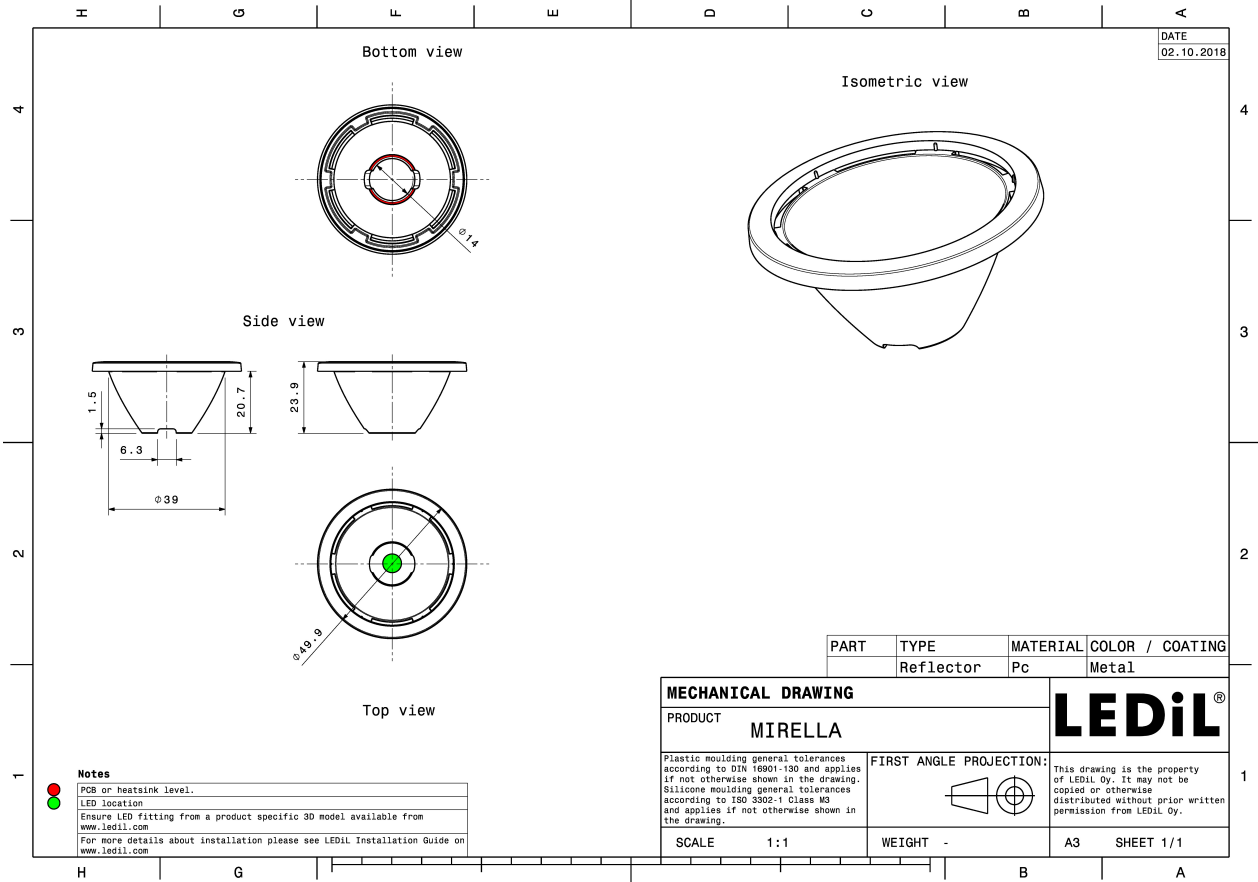
MATERIALS:

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



ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
C12477_MIRELLA-50-M » Box size: 480 x 280 x 300 mm	336	112	28	2.8



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

OPTICAL RESULTS (MEASURED):

bridgelux

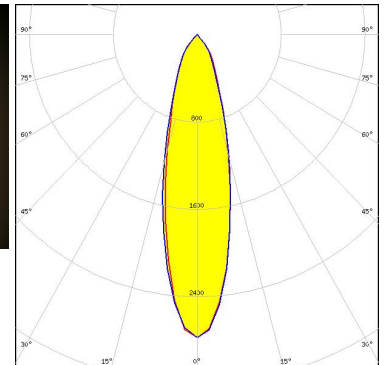
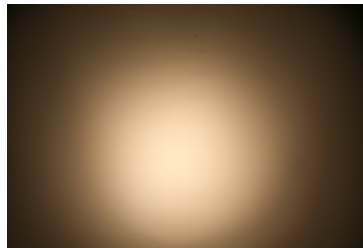
LED BXRA LS
 FWHM / FWTM 27.0° / 69.0°
 Efficiency 84 %
 Peak intensity 2.4 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C13333_MIRELLA-CL



Light distribution files

bridgelux

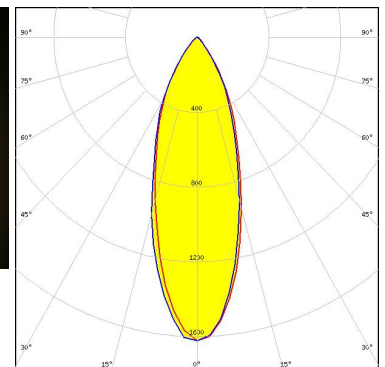
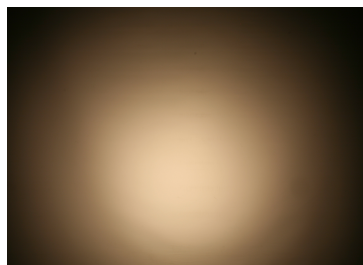
LED BXRA LS
 FWHM / FWTM 27.0° / 64.0°
 Efficiency 89 %
 Peak intensity 2.8 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files

bridgelux

LED BXRA LS
 FWHM / FWTM 35.0° / 73.0°
 Efficiency 83 %
 Peak intensity 1.6 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C12479_MIRELLA-DL

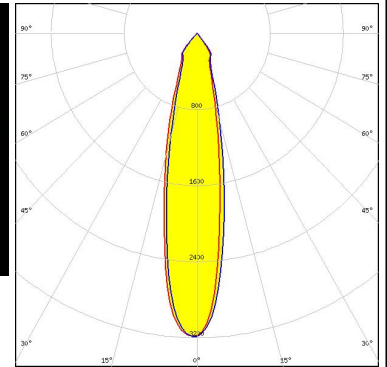


Light distribution files

OPTICAL RESULTS (MEASURED):

CITIZEN

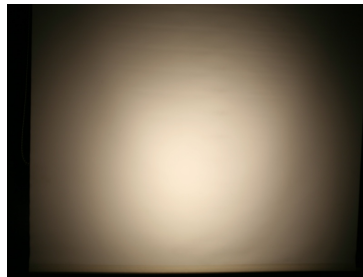
LED CLL01x
FWHM / FWTM 29.0° / 77.0°
Efficiency %
Peak intensity 3.2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

CITIZEN

LED CLL01x
FWHM / FWTM 39.0° / 77.0°
Efficiency %
LEDs/each optic 1
Light colour/type White
Required components:
C12479_MIRELLA-DL



Light distribution files

CITIZEN

LED CLL01x
FWHM / FWTM 35.0° / 76.0°
Efficiency 83 %
Peak intensity 1.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
C13333_MIRELLA-CL

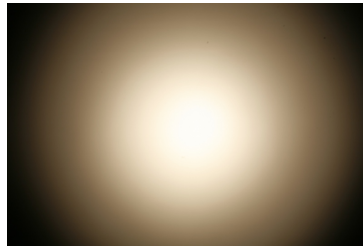


Light distribution files

OPTICAL RESULTS (MEASURED):

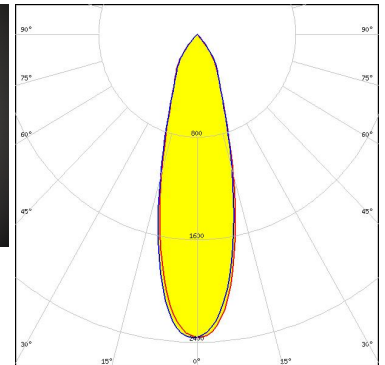
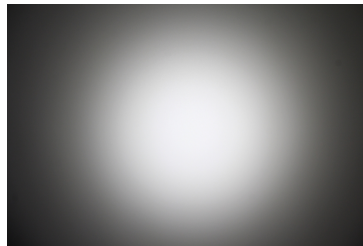
CITIZEN

LED CLL02x/CLU02x (LES10)
FWHM / FWTM 30.0° / 71.0°
Efficiency 84 %
Peak intensity 2.2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
C13333_MIRELLA-CL



CITIZEN

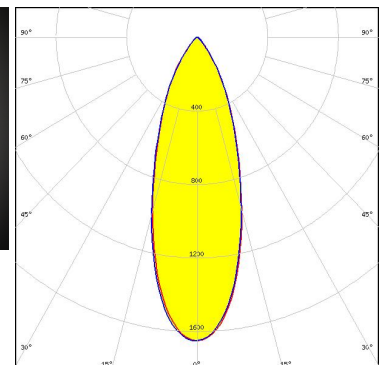
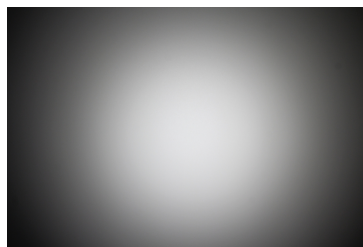
LED CLL02x/CLU02x (LES10)
FWHM / FWTM 30.0° / 71.0°
Efficiency 88 %
Peak intensity 2.4 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

CITIZEN

LED CLL02x/CLU02x (LES10)
FWHM / FWTM 35.0° / 73.0°
Efficiency 82 %
Peak intensity 1.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
C12479_MIRELLA-DL

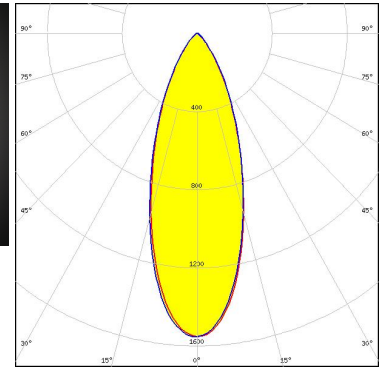
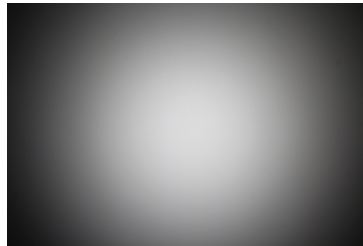


Light distribution files

OPTICAL RESULTS (MEASURED):

CITIZEN

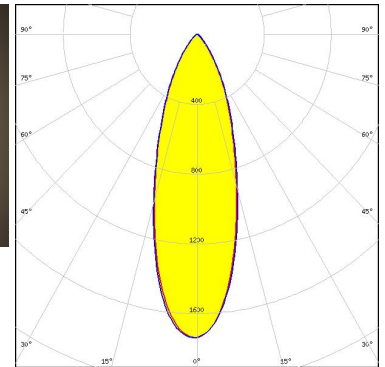
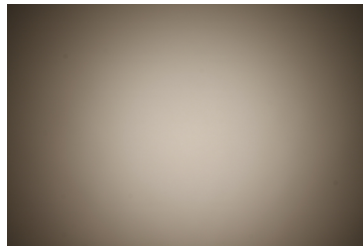
LED CLL02x/CLU02x (LES10)
FWHM / FWTM 37.0° / 75.0°
Efficiency 82 %
Peak intensity 1.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
C13723_MIRELLA-RZL



Light distribution files

CITIZEN

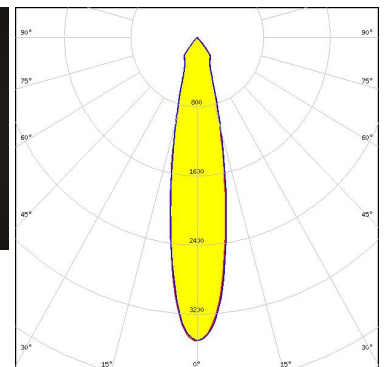
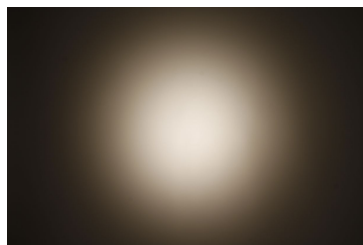
LED CLU700/701/702/703
FWHM / FWTM 33.0° / 70.0°
Efficiency 82 %
Peak intensity 1.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
C13723_MIRELLA-RZL



Light distribution files

CITIZEN

LED CLU700/701/702/703
FWHM / FWTM 22.0° / 51.0°
Efficiency 90 %
Peak intensity 3.5 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

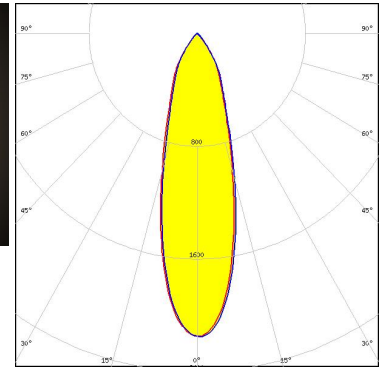


Light distribution files

OPTICAL RESULTS (MEASURED):

CITIZEN

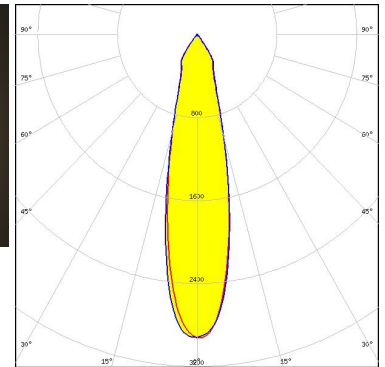
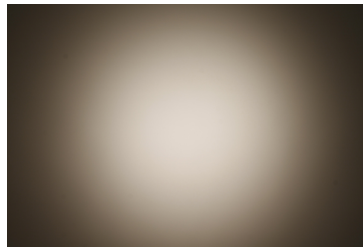
LED CLU700/701/702/703
FWHM / FWTM 29.0° / 69.0°
Efficiency 84 %
Peak intensity 2.2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
C12479_MIRELLA-DL



Light distribution files

CITIZEN

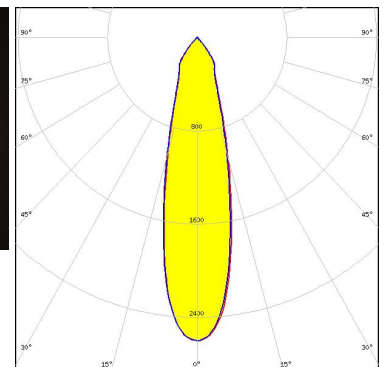
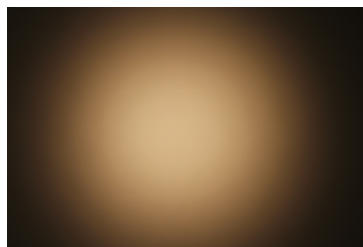
LED CLU700/701/702/703
FWHM / FWTM 24.0° / 64.0°
Efficiency 83 %
Peak intensity 2.9 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
C13333_MIRELLA-CL



Light distribution files

CITIZEN

LED CLU710/711
FWHM / FWTM 26.0° / 70.0°
Efficiency 90 %
Peak intensity 2.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

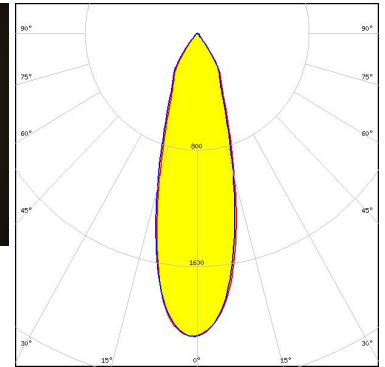
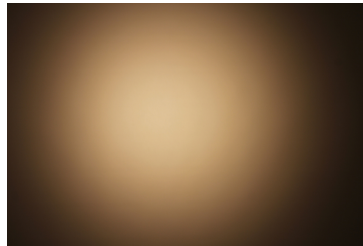


Light distribution files

OPTICAL RESULTS (MEASURED):

CITIZEN

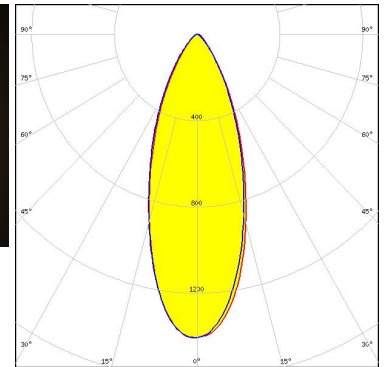
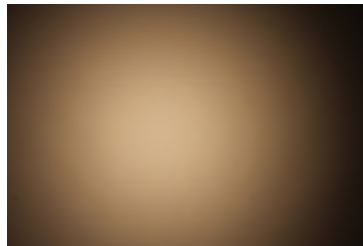
LED CLU710/711
 FWHM / FWTM 30.0° / 70.0°
 Efficiency 85 %
 Peak intensity 2.1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C13333_MIRELLA-CL



Light distribution files

CITIZEN

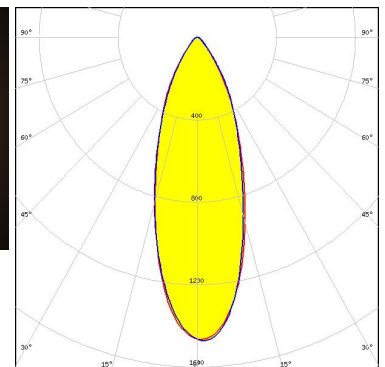
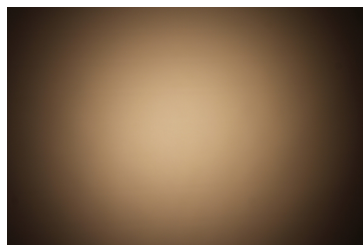
LED CLU710/711
 FWHM / FWTM 38.0° / 76.0°
 Efficiency 83 %
 Peak intensity 1.4 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C13723_MIRELLA-RZL



Light distribution files

CITIZEN

LED CLU710/711
 FWHM / FWTM 35.0° / 74.0°
 Efficiency 81 %
 Peak intensity 1.5 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C12479_MIRELLA-DL

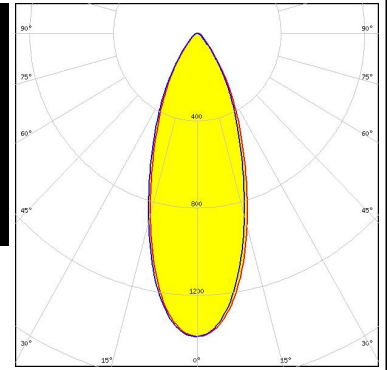
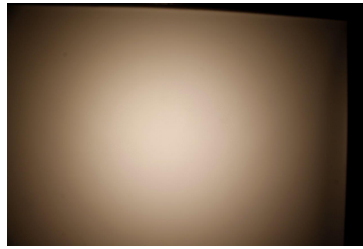


Light distribution files

OPTICAL RESULTS (MEASURED):

CITIZEN

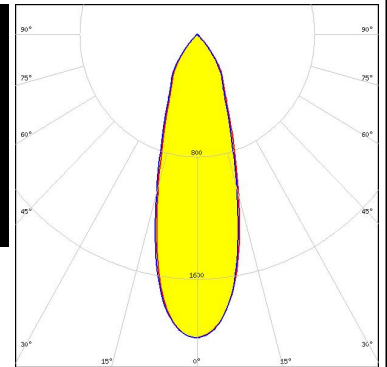
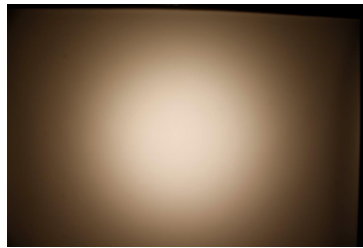
LED CLU720/721/723
FWHM / FWTM 38.0° / 76.0°
Efficiency 82 %
Peak intensity 1.4 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
C12479_MIRELLA-DL



Light distribution files

CITIZEN

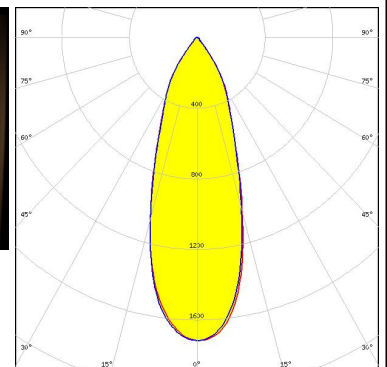
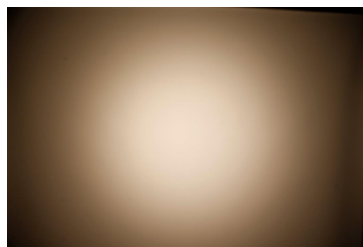
LED CLU720/721/723
FWHM / FWTM 31.0° / 75.0°
Efficiency 90 %
Peak intensity 2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

CITIZEN

LED CLU720/721/723
FWHM / FWTM 35.0° / 73.0°
Efficiency 85 %
Peak intensity 1.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
C13333_MIRELLA-CL

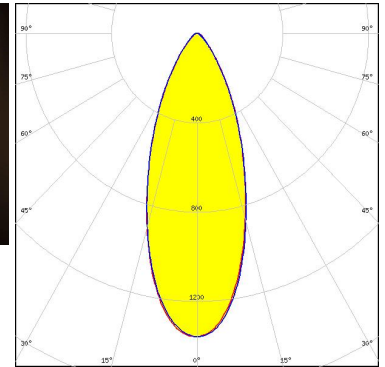
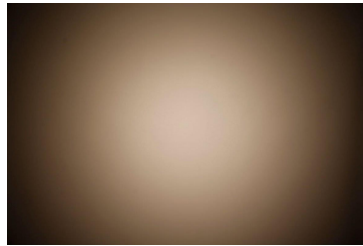


Light distribution files

OPTICAL RESULTS (MEASURED):

CITIZEN

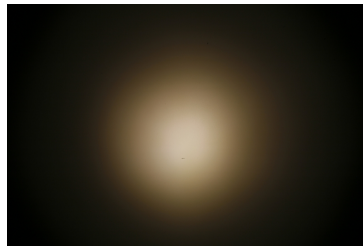
LED CLU720/721/723
FWHM / FWTM 39.0° / 77.0°
Efficiency 83 %
Peak intensity 1.4 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
C13723_MIRELLA-RZL



Light distribution files



LED CXA/B 13xx
FWHM / FWTM 23.0° / 68.0°
Efficiency 81 %
Peak intensity 2.9 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
C13333_MIRELLA-CL



LED CXA/B 13xx
FWHM / FWTM 20.0° / 55.0°
Efficiency 85 %
Peak intensity 3.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



OPTICAL RESULTS (MEASURED):



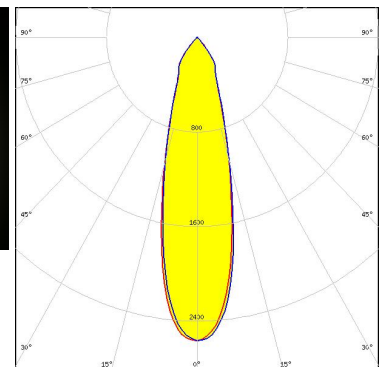
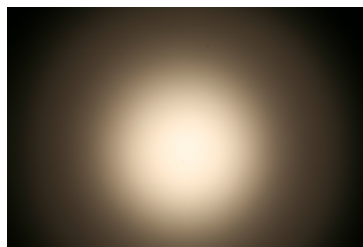
LED CXA/B 13xx
FWHM / FWTM 26.0° / 67.0°
Efficiency 80 %
Peak intensity 2.4 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
C12479_MIRELLA-DL



LED CXA/B 15xx
FWHM / FWTM 30.0° / 71.0°
Efficiency 83 %
Peak intensity 2.4 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
C13333_MIRELLA-CL



LED CXA/B 15xx
FWHM / FWTM 28.0° / 72.0°
Efficiency 92 %
Peak intensity 2.5 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

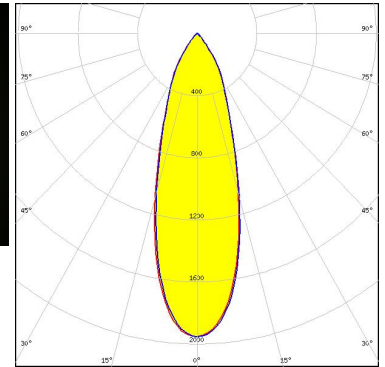
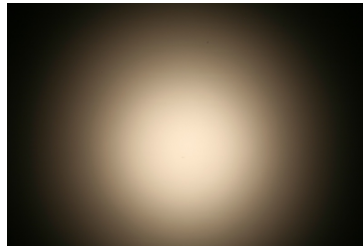


Light distribution files

OPTICAL RESULTS (MEASURED):



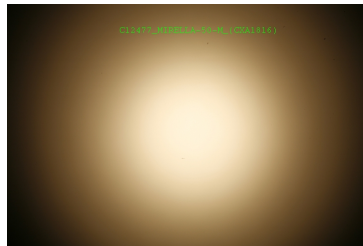
LED CXA/B 15xx
 FWHM / FWTM 34.0° / 72.0°
 Efficiency 89 %
 Peak intensity 1.7 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C12479_MIRELLA-DL



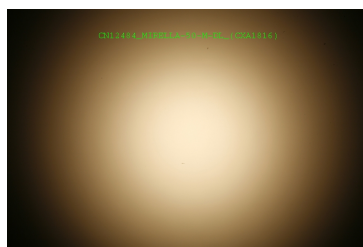
Light distribution files



LED CXA/B 1816 & CXA/B 1820 & CXA 1850
 FWHM / FWTM 34.0° / 78.0°
 Efficiency 88 %
 Peak intensity 2 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



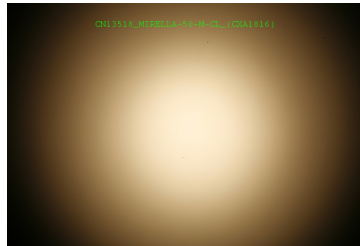
LED CXA/B 1816 & CXA/B 1820 & CXA 1850
 FWHM / FWTM 39.0° / 76.0°
 Efficiency 83 %
 Peak intensity 1.6 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C12479_MIRELLA-DL



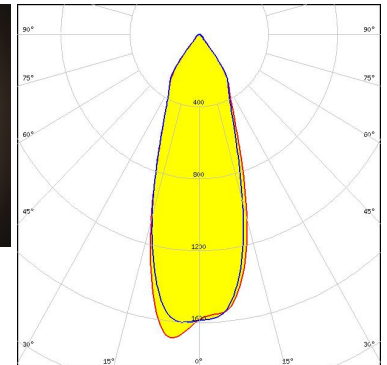
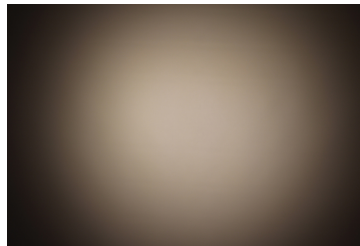
OPTICAL RESULTS (MEASURED):



LED CXA/B 1816 & CXA/B 1820 & CXA 1850
 FWHM / FWTM 37.0° / 76.0°
 Efficiency 82 %
 Peak intensity 1.8 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C13333_MIRELLA-CL



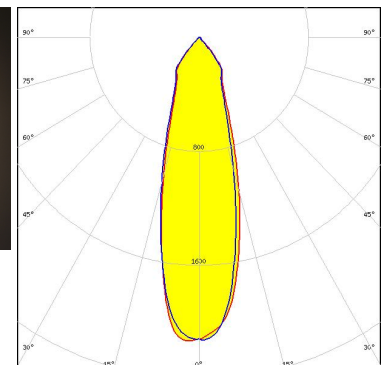
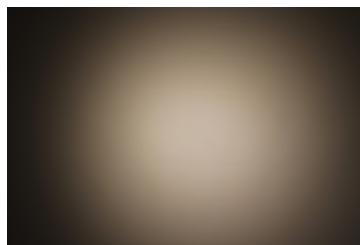
LED MHD-E/G
 FWHM / FWTM 35.0° / 76.0°
 Efficiency 88 %
 Peak intensity 1.7 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C13333_MIRELLA-CL



Light distribution files



LED MHD-E/G
 FWHM / FWTM 30.0° / 79.0°
 Efficiency 93 %
 Peak intensity 2.1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

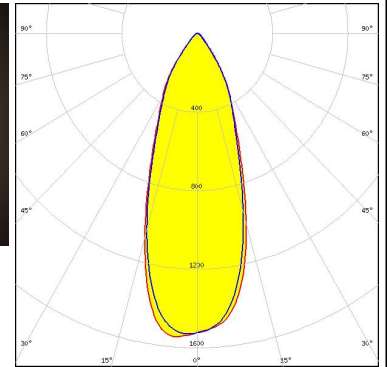
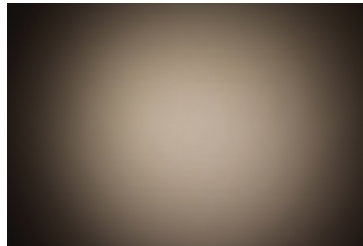


Light distribution files

OPTICAL RESULTS (MEASURED):



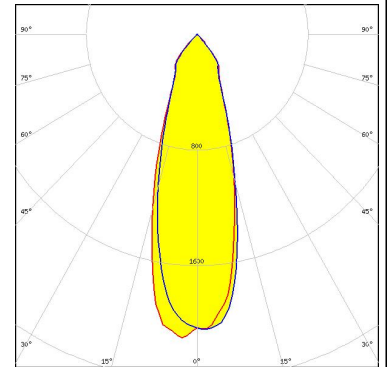
LED MHD-E/G
 FWHM / FWTM 37.0° / 76.0°
 Efficiency 88 %
 Peak intensity 1.5 cd/m
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C12479_MIRELLA-DL



Light distribution files



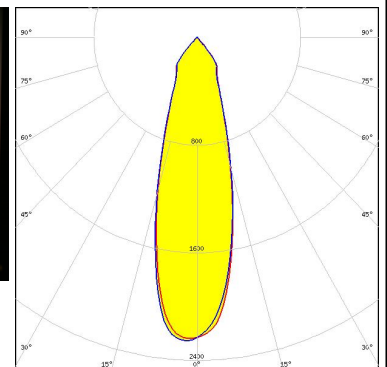
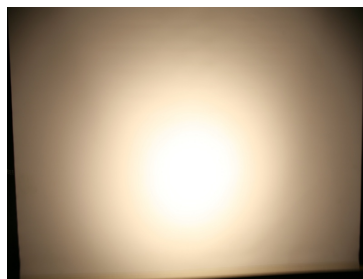
LED MT-G
 FWHM / FWTM 31.0° / 78.5°
 Efficiency 91 %
 Peak intensity 2.1 cd/m
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED MT-G2
 FWHM / FWTM 30.0° / 78.0°
 Efficiency 90 %
 Peak intensity 2.3 cd/m
 LEDs/each optic 1
 Light colour/type White
 Required components:

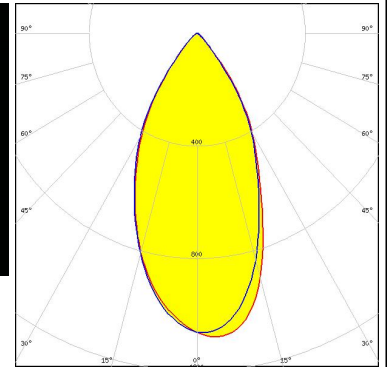


Light distribution files

OPTICAL RESULTS (MEASURED):



LED MT-G2
FWHM / FWTM 38.0° / 77.0°
Efficiency 83 %
Peak intensity 1.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
 C12479_MIRELLA-DL



Light distribution files



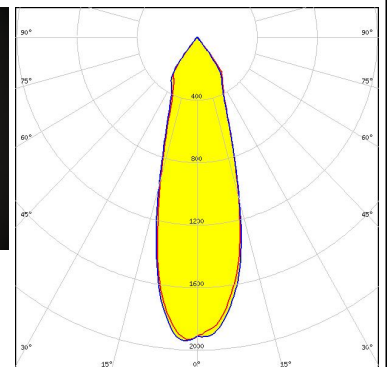
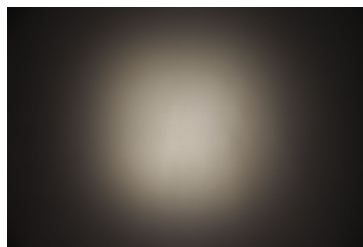
LED MT-G2
FWHM / FWTM 35.0° / 77.0°
Efficiency 85 %
Peak intensity 1.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
 C13333_MIRELLA-CL



Light distribution files



LED XHP50
FWHM / FWTM 31.0° / 75.0°
Efficiency 86 %
Peak intensity 2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
 C13333_MIRELLA-CL

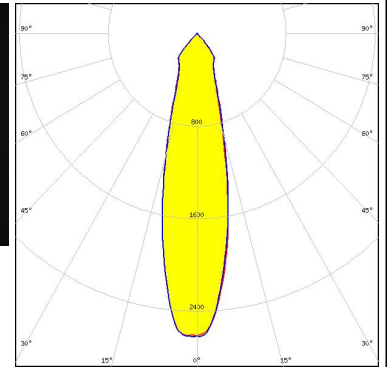
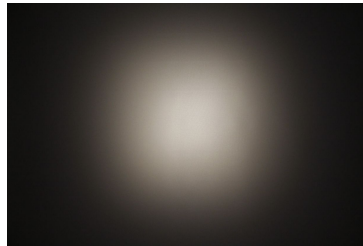


Light distribution files

OPTICAL RESULTS (MEASURED):



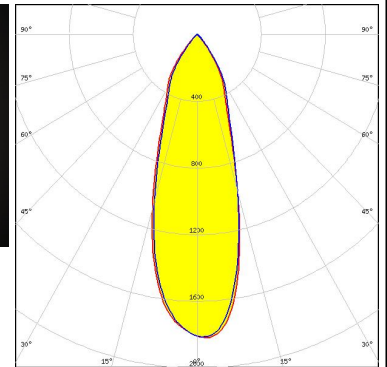
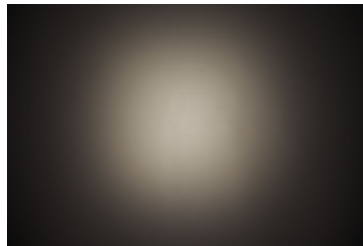
LED XHP50
 FWHM / FWTM 25.0° / 76.0°
 Efficiency 91 %
 Peak intensity 2.6 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



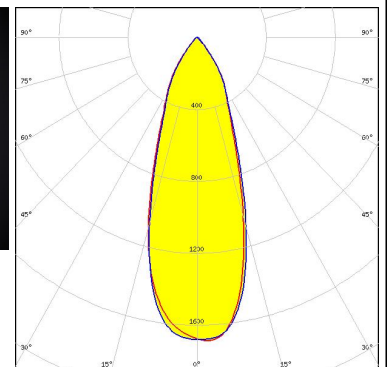
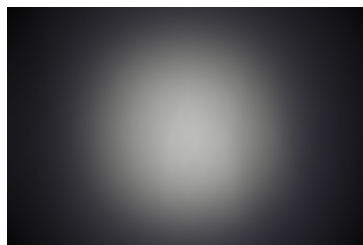
LED XHP50
 FWHM / FWTM 33.0° / 74.0°
 Efficiency 86 %
 Peak intensity 1.8 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C12479_MIRELLA-DL



Light distribution files



LED XHP70
 FWHM / FWTM 36.0° / 74.0°
 Efficiency 87 %
 Peak intensity 1.7 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C12479_MIRELLA-DL

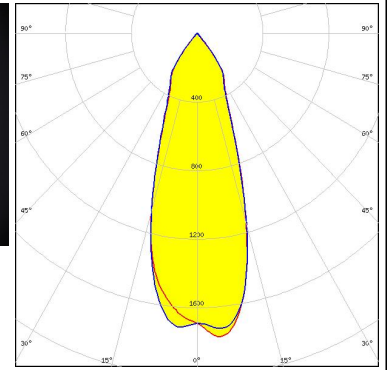


Light distribution files

OPTICAL RESULTS (MEASURED):



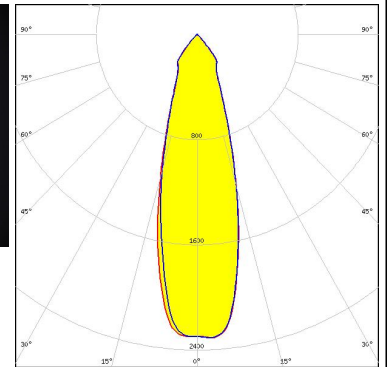
LED XHP70
FWHM / FWTM 35.0° / 76.0°
Efficiency 86 %
Peak intensity 1.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
 C13333_MIRELLA-CL



Light distribution files



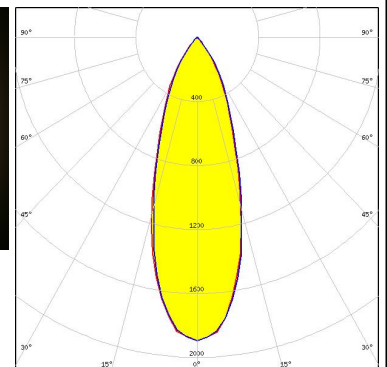
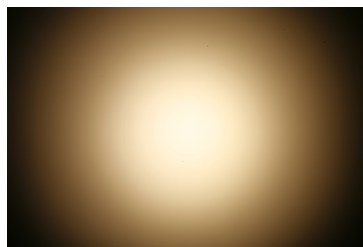
LED XHP70
FWHM / FWTM 30.0° / 77.0°
Efficiency 91 %
Peak intensity 2.3 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

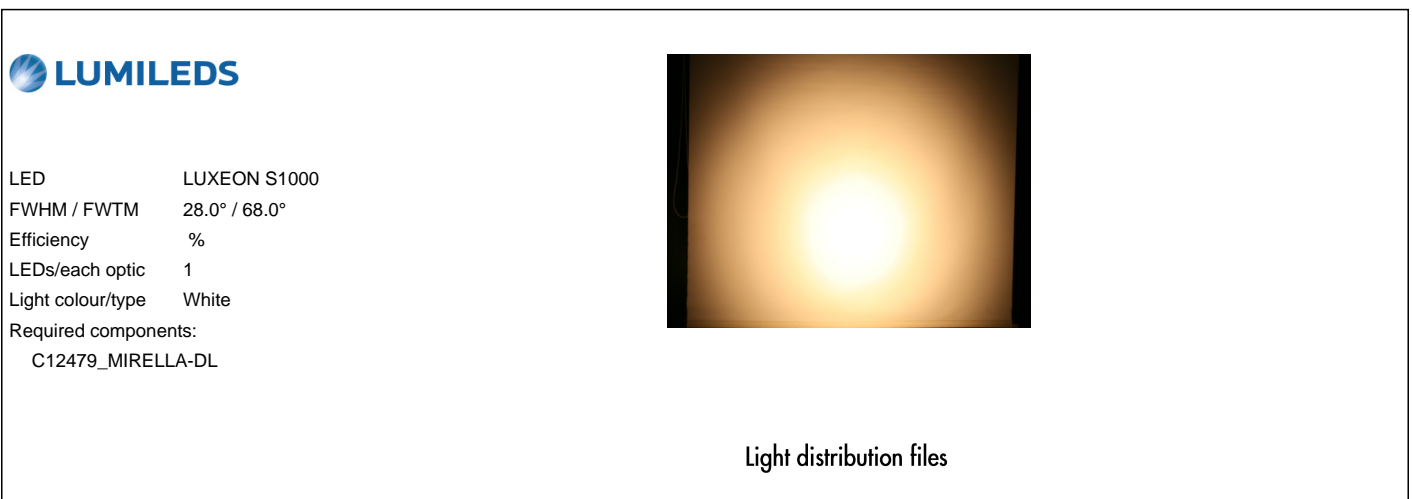
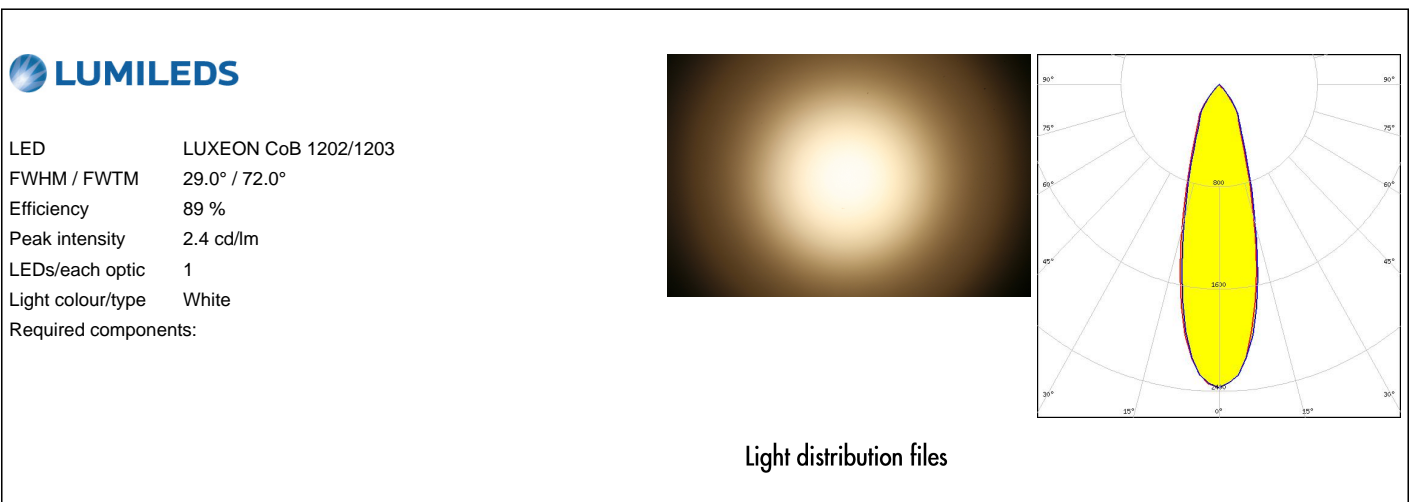
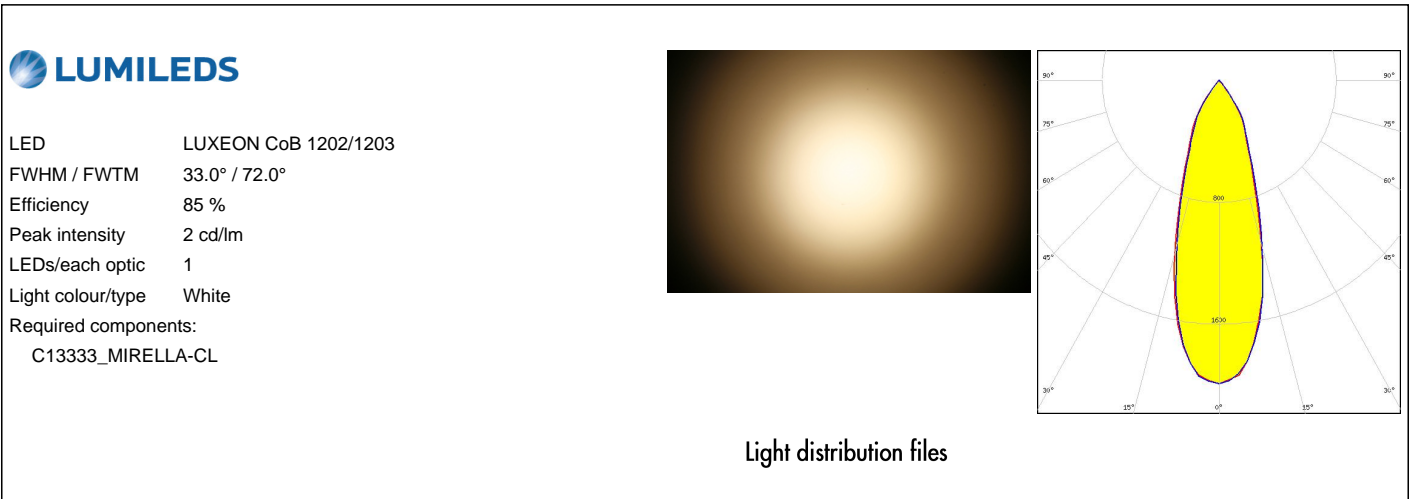


LED LUXEON CoB 1202/1203
FWHM / FWTM 35.0° / 71.0°
Efficiency 85 %
Peak intensity 1.9 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
 C12479_MIRELLA-DL



Light distribution files


OPTICAL RESULTS (MEASURED):



OPTICAL RESULTS (MEASURED):

LUMILEDS


LED	LUXEON S1000
FWHM / FWTM	22.0° / 66.0°
Efficiency	%
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

LUMILEDS

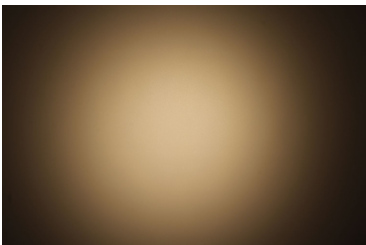
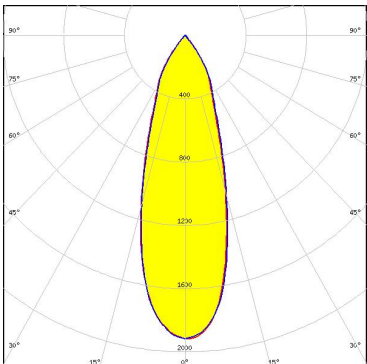
LED	LUXEON S1000
FWHM / FWTM	22.0° / 64.0°
Efficiency	83 %
Peak intensity	3.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
	C13333_MIRELLA-CL



Light distribution files

LUMINUS

LED	CxM-9 (13.5x13.5)
FWHM / FWTM	33.0° / 72.0°
Efficiency	85 %
Peak intensity	1.9 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
	C13333_MIRELLA-CL

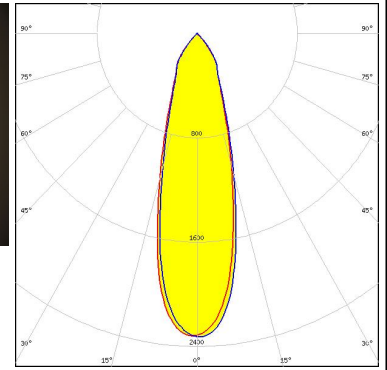



Light distribution files

OPTICAL RESULTS (MEASURED):



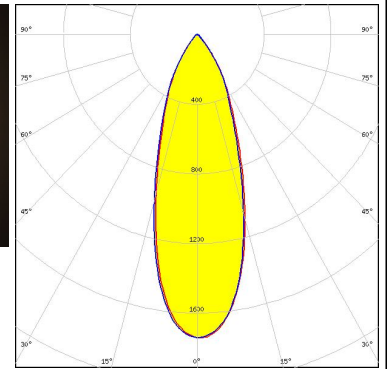
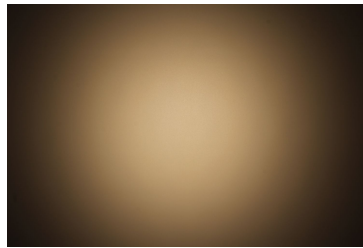
LED CxM-9 (13.5x13.5)
 FWHM / FWTM 29.0° / 73.0°
 Efficiency 90 %
 Peak intensity 2.3 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



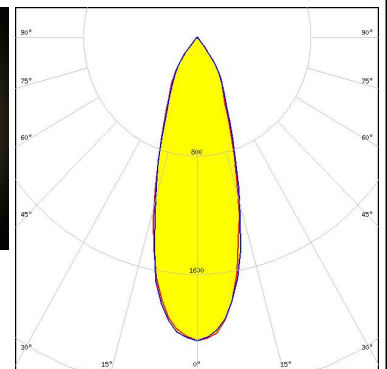
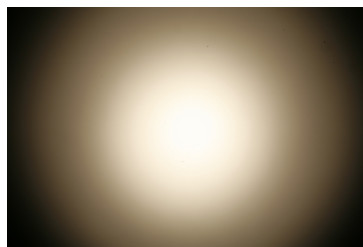
LED CxM-9 (13.5x13.5)
 FWHM / FWTM 34.0° / 72.0°
 Efficiency 85 %
 Peak intensity 1.7 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C12479_MIRELLA-DL



Light distribution files

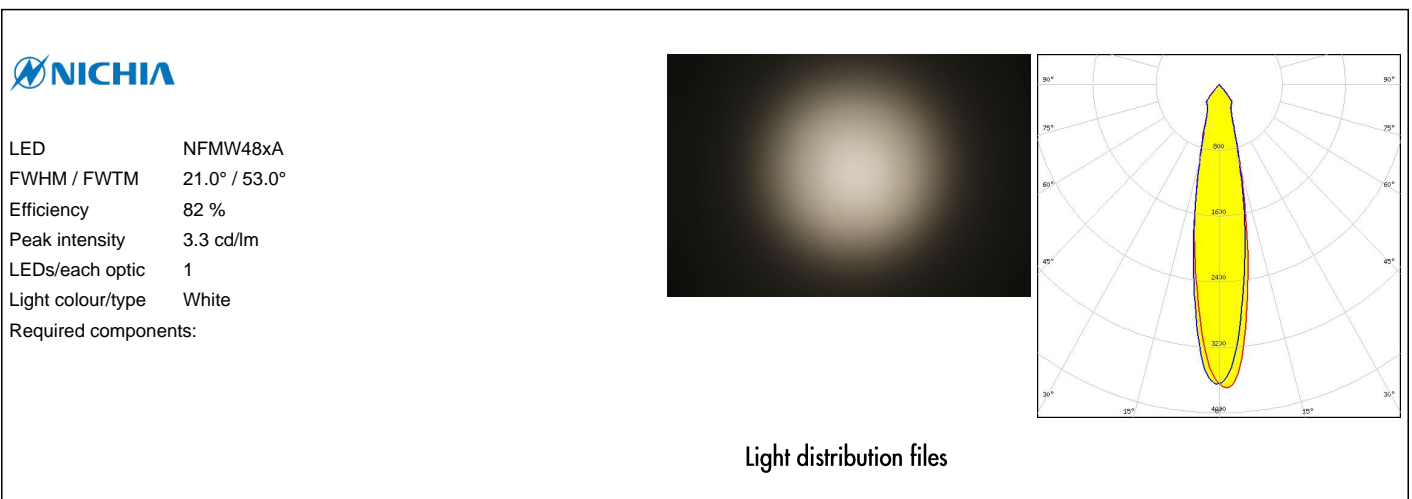
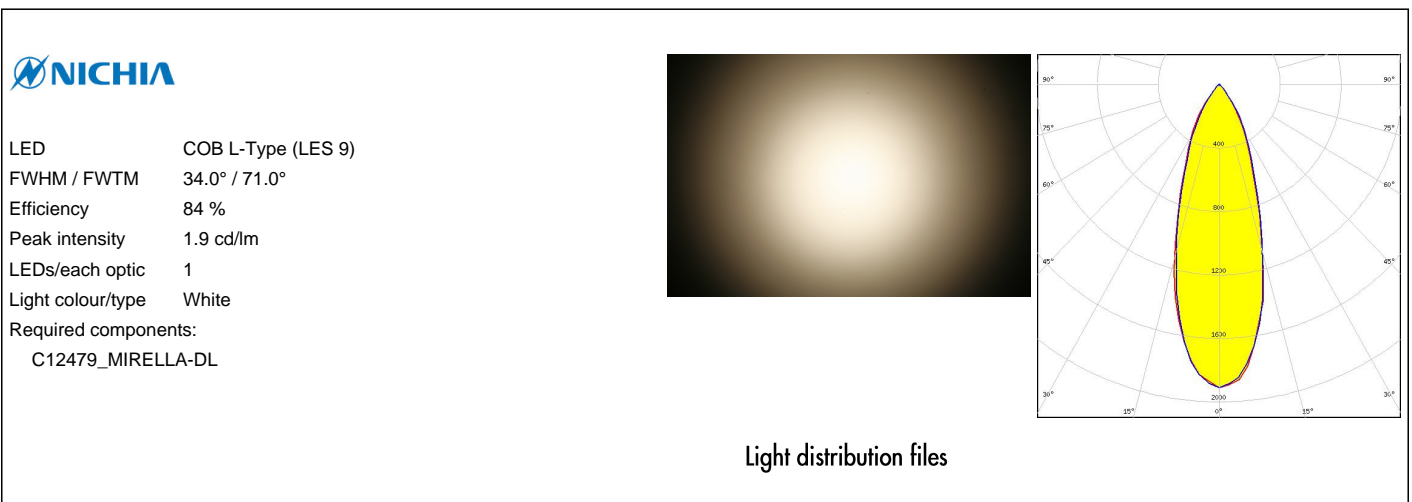
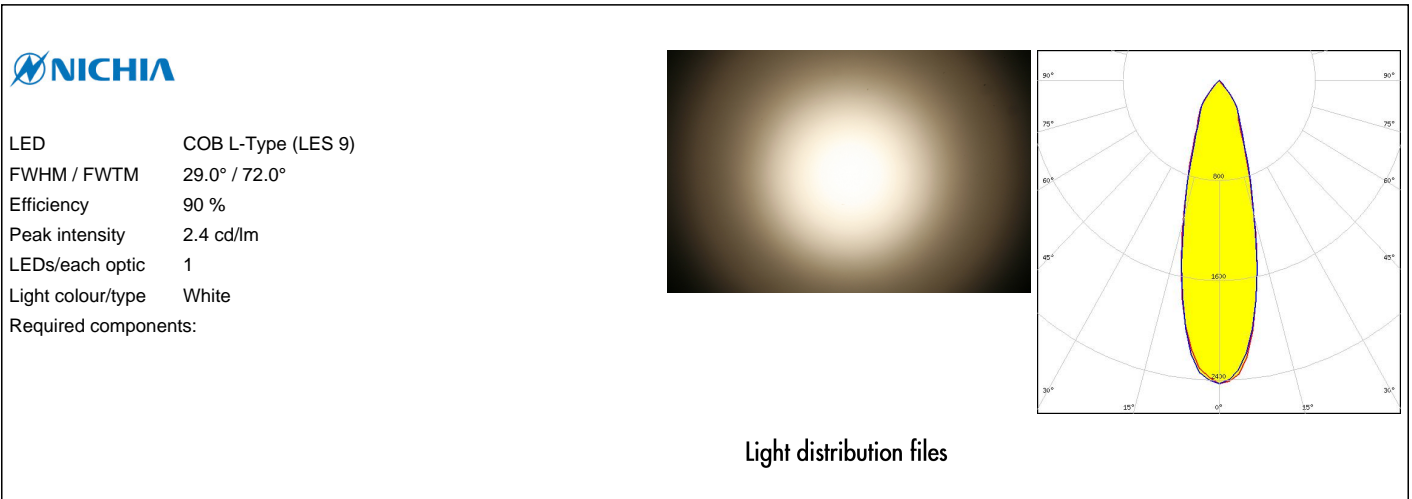


LED COB L-Type (LES 9)
 FWHM / FWTM 33.0° / 71.0°
 Efficiency 86 %
 Peak intensity 2.1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C13333_MIRELLA-CL



Light distribution files

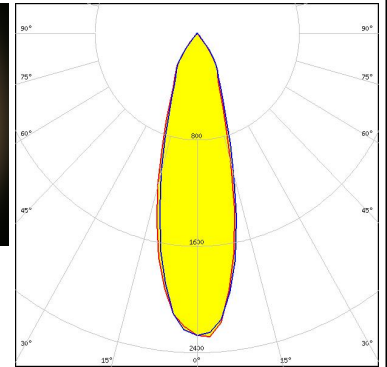
OPTICAL RESULTS (MEASURED):



OPTICAL RESULTS (MEASURED):



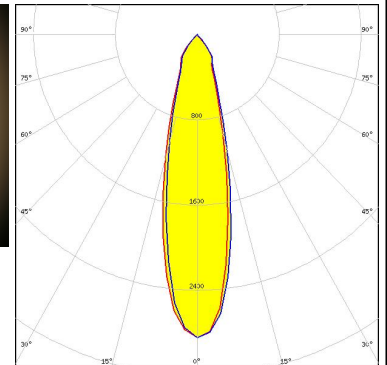
LED NSCxL036A
FWHM / FWTM 30.0° / 70.0°
Efficiency 85 %
Peak intensity 2.3 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
 C13333_MIRELLA-CL



Light distribution files



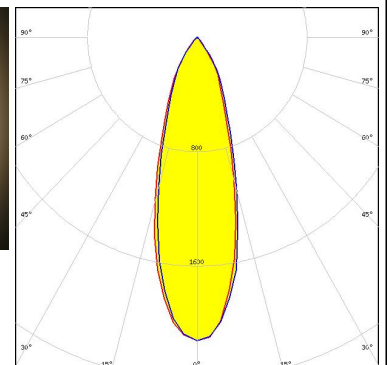
LED NSCxL036A
FWHM / FWTM 26.0° / 64.0°
Efficiency 88 %
Peak intensity 2.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED NSCxL036A
FWHM / FWTM 32.0° / 70.0°
Efficiency 85 %
Peak intensity 2.1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
 C12479_MIRELLA-DL

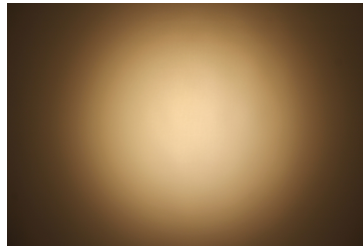


Light distribution files

OPTICAL RESULTS (MEASURED):

OSRAM
Opto Semiconductors

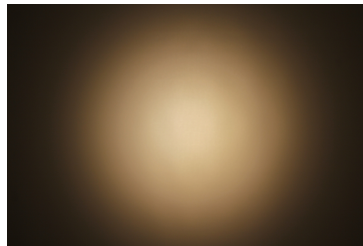
LED Duris S10
FWHM / FWTM 29.0° / 71.0°
Efficiency 83 %
Peak intensity 2.5 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
C13333_MIRELLA-CL



Light distribution files

OSRAM
Opto Semiconductors

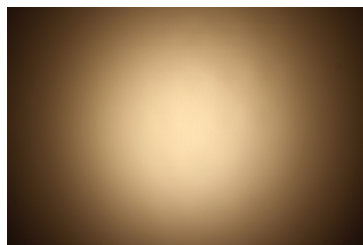
LED Duris S10
FWHM / FWTM 24.0° / 63.0°
Efficiency 88 %
Peak intensity 3.3 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

OSRAM
Opto Semiconductors

LED Duris S10
FWHM / FWTM 32.0° / 72.0°
Efficiency 81 %
Peak intensity 1.9 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
C12479_MIRELLA-DL

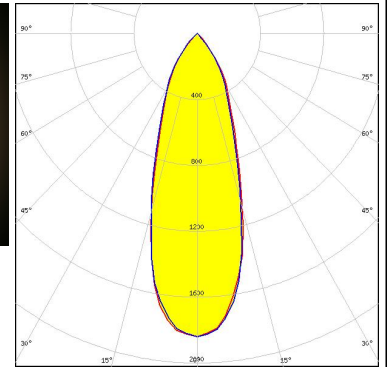
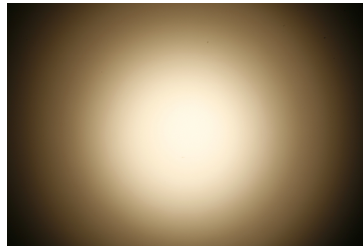


Light distribution files

OPTICAL RESULTS (MEASURED):

OSRAM
Opto Semiconductors

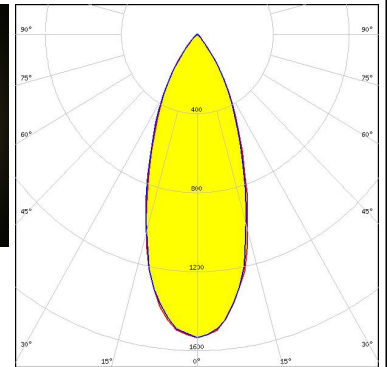
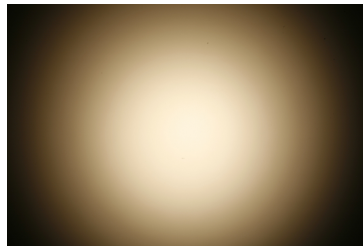
LED Soleriq S13
 FWHM / FWTM 35.0° / 76.0°
 Efficiency 87 %
 Peak intensity 1.8 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files

OSRAM
Opto Semiconductors

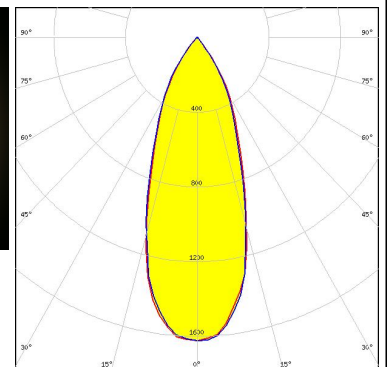
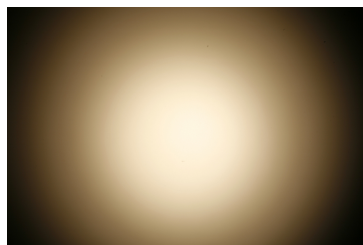
LED Soleriq S13
 FWHM / FWTM 39.0° / 75.0°
 Efficiency 81 %
 Peak intensity 1.5 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C12479_MIRELLA-DL



Light distribution files

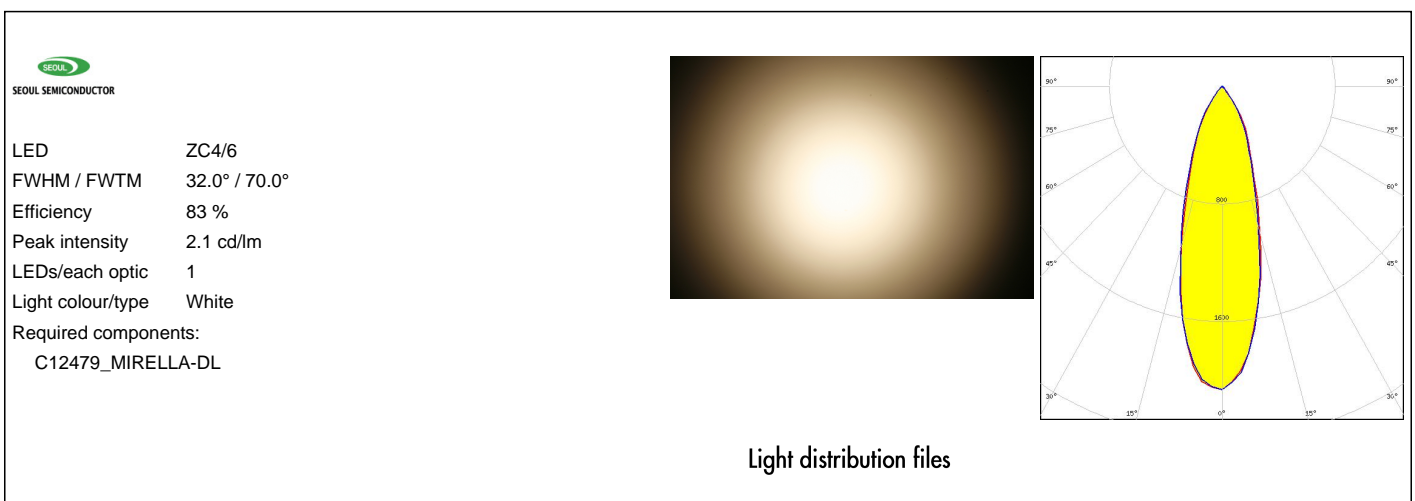
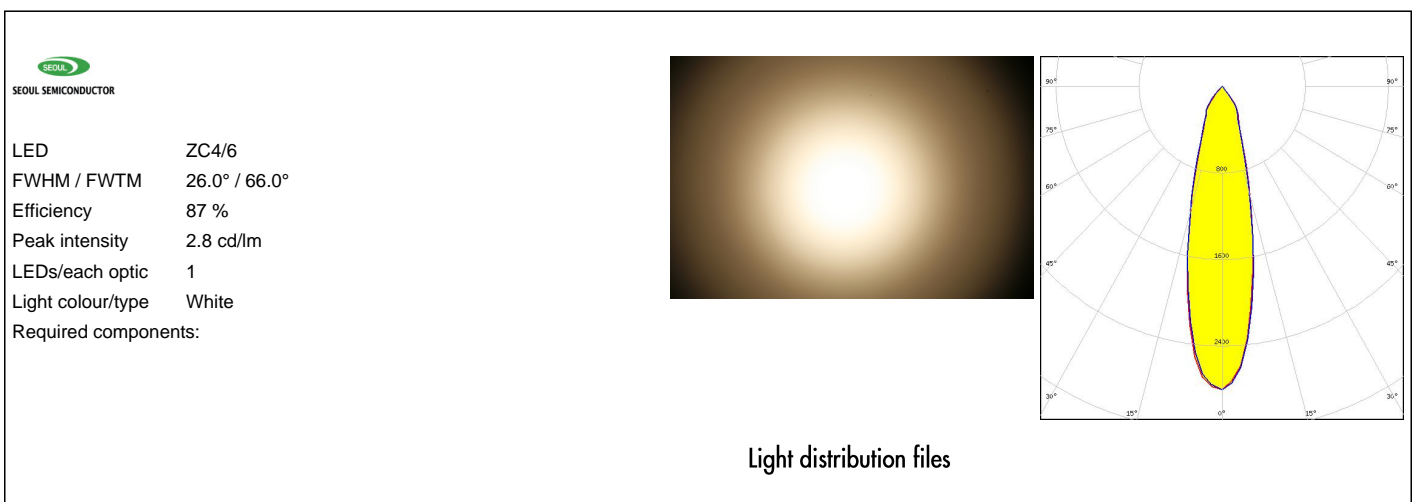
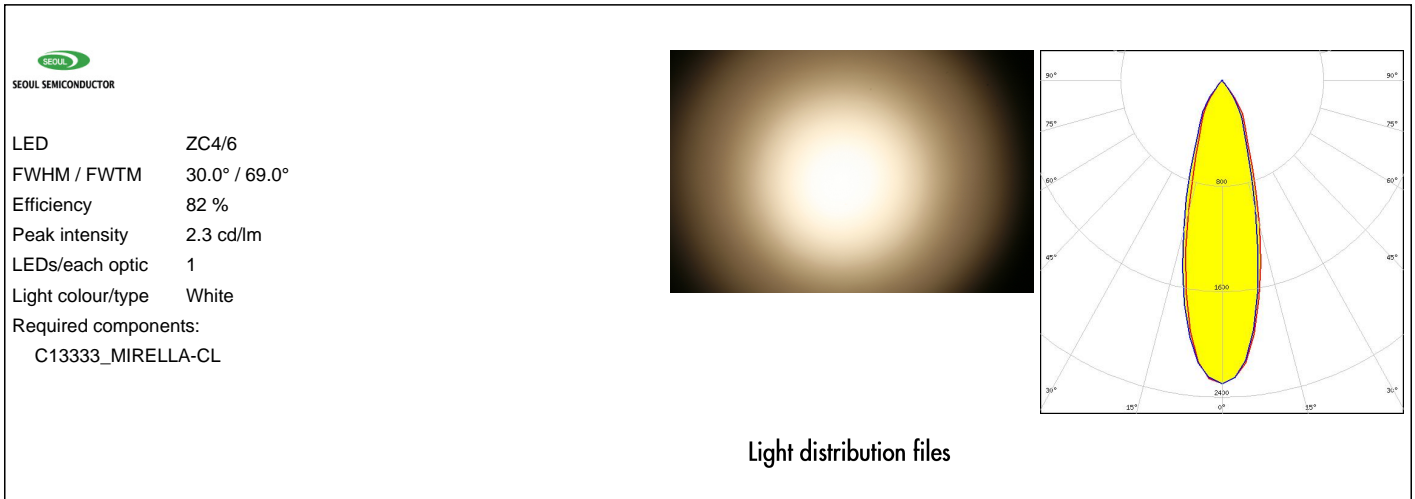
OSRAM
Opto Semiconductors

LED Soleriq S13
 FWHM / FWTM 38.0° / 74.0°
 Efficiency 82 %
 Peak intensity 1.6 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C13333_MIRELLA-CL



Light distribution files

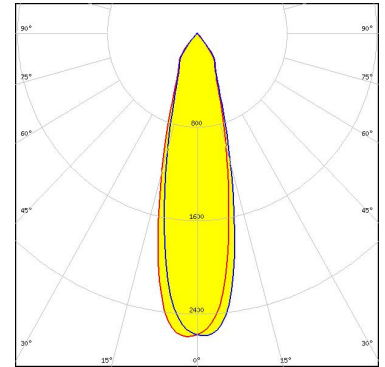
OPTICAL RESULTS (MEASURED):



OPTICAL RESULTS (MEASURED):

SHARP

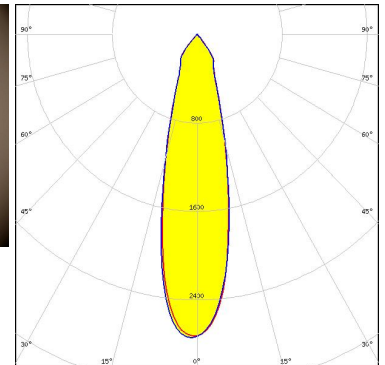
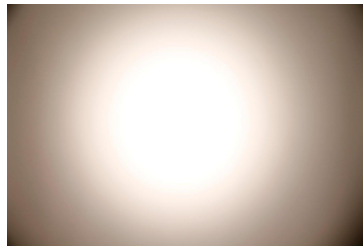
LED Mini Zenigata (GW5BM)
 FWHM / FWTM 29.0° / 71.0°
 Efficiency 90 %
 Peak intensity 2.7 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files

SHARP

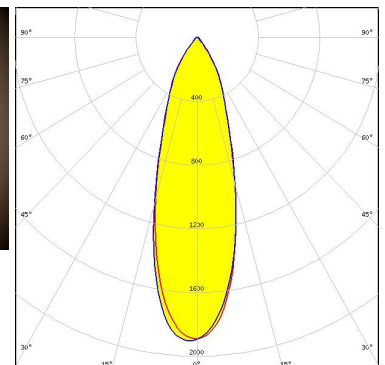
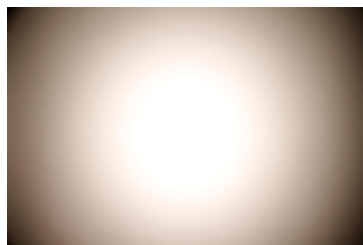
LED Mini Zenigata (GW6BM)
 FWHM / FWTM 25.0° / 73.0°
 Efficiency 90 %
 Peak intensity 2.7 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files

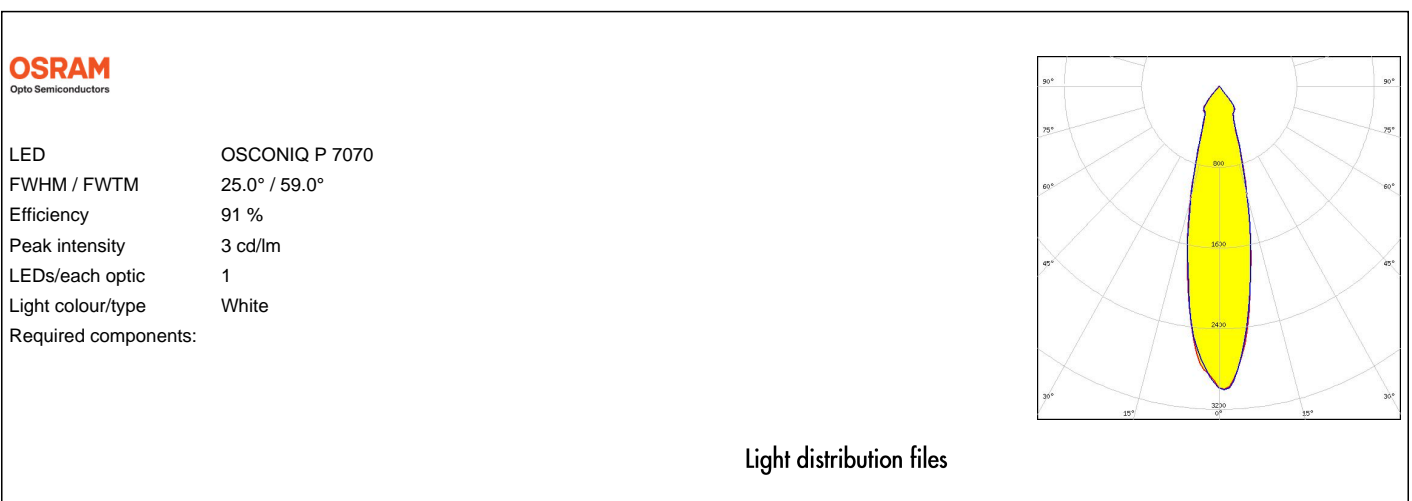
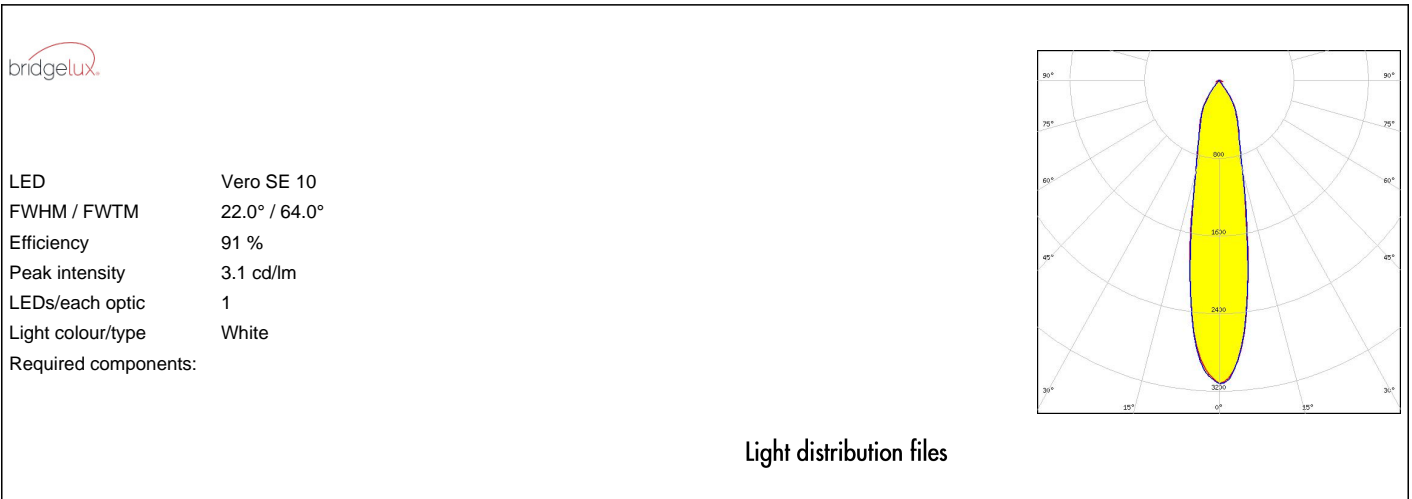
SHARP

LED Mini Zenigata (GW6BM)
 FWHM / FWTM 30.0° / 70.0°
 Efficiency 83 %
 Peak intensity 1.9 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C12479_MIRELLA-DL



Light distribution files

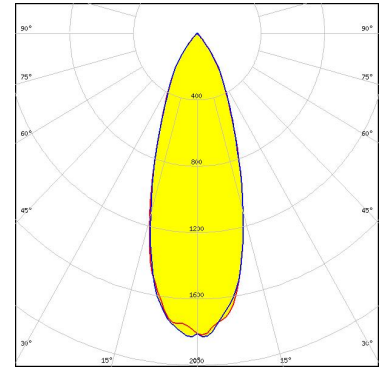
OPTICAL RESULTS (SIMULATED):



OPTICAL RESULTS (SIMULATED):

OSRAM
Opto Semiconductors

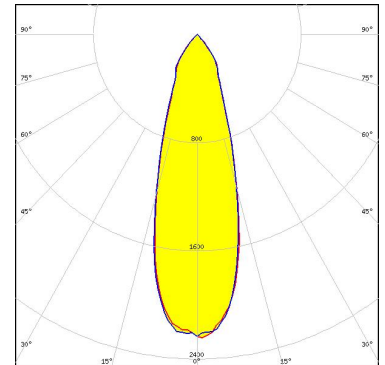
LED Soleriq S9
 FWHM / FWTM 35.0° / 71.0°
 Efficiency 85 %
 Peak intensity 1.9 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C12479_MIRELLA-DL



Light distribution files

OSRAM
Opto Semiconductors

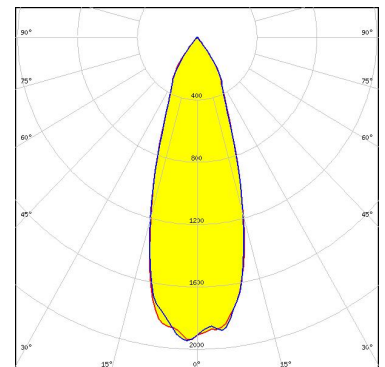
LED Soleriq S9
 FWHM / FWTM 31.0° / 73.0°
 Efficiency 91 %
 Peak intensity 2.3 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files

OSRAM
Opto Semiconductors

LED Soleriq S9
 FWHM / FWTM 34.0° / 71.0°
 Efficiency 87 %
 Peak intensity 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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Hong Kong, China

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