

MIRELLA-50-W

~40° wide beam

TECHNICAL SPECIFICATIONS:

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

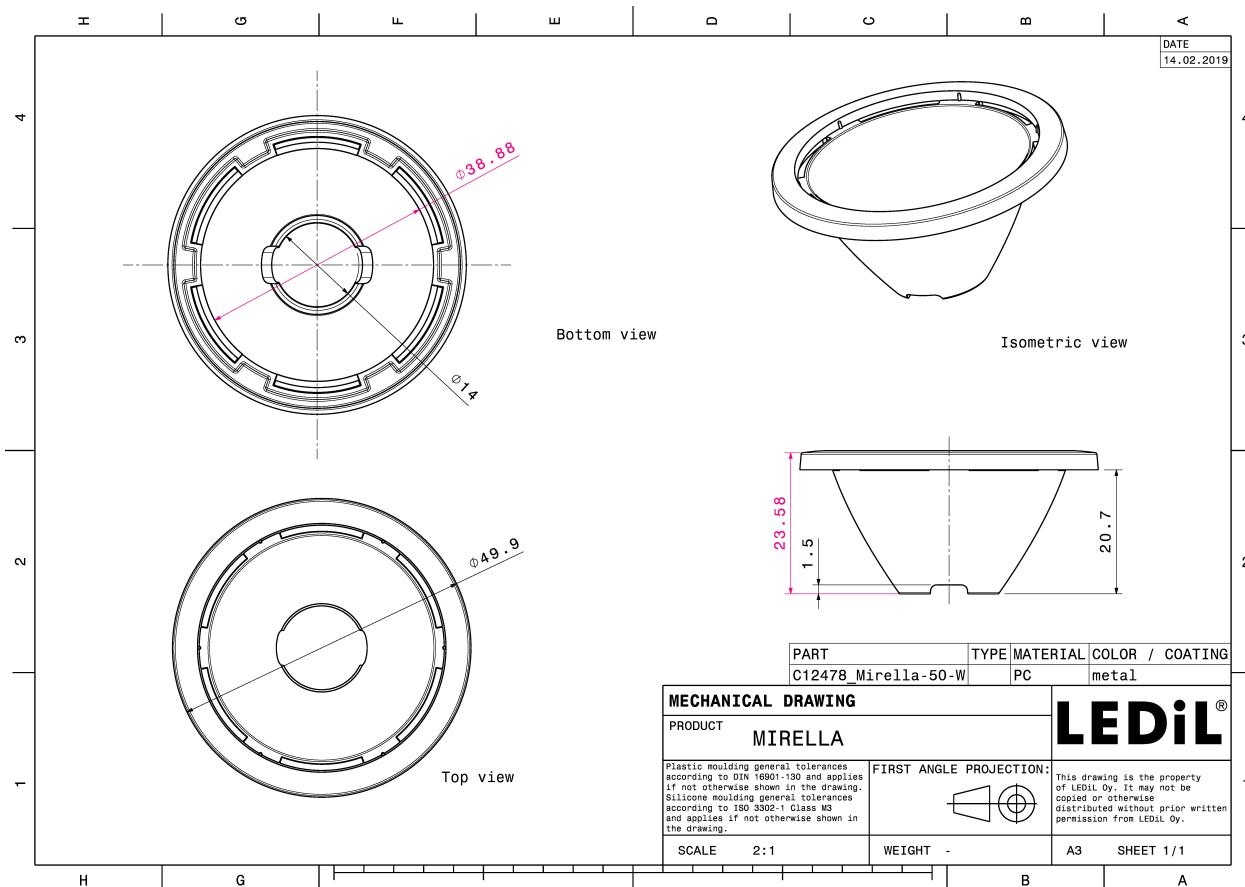


MATERIAL SPECIFICATIONS:

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	336	112	28	3.0
» Box size: 480 x 280 x 300 mm				

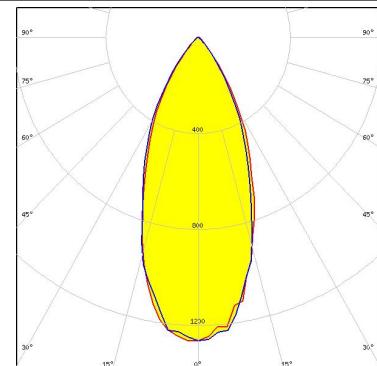


See also our general installation guide: www.ledil.com/installation_guide

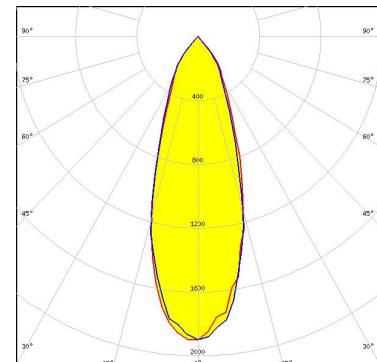
PHOTOMETRIC DATA (MEASURED):



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



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

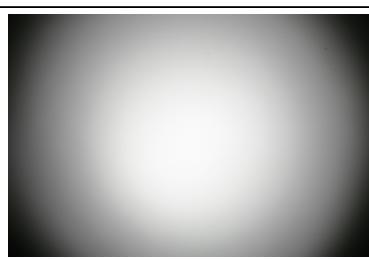


LED BXRA LS
FWHM 42.0°
Efficiency 84 %
Peak intensity 1.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:
 C13333_MIRELLA-CL



CITIZEN

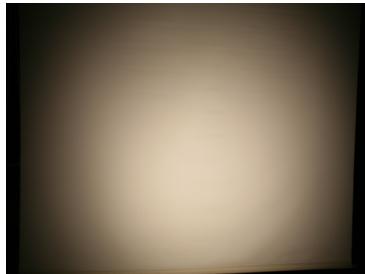
LED CLL01x
FWHM 48.0°
Efficiency 84 %
Peak intensity 1.2 cd/lm
LEDs/each optic 1
Light colour White
Required components:
 C13333_MIRELLA-CL



PHOTOMETRIC DATA (MEASURED):

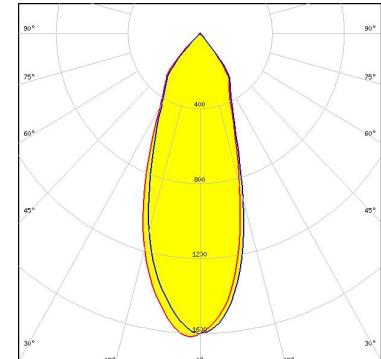
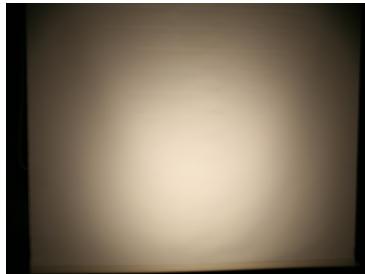
CITIZEN

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



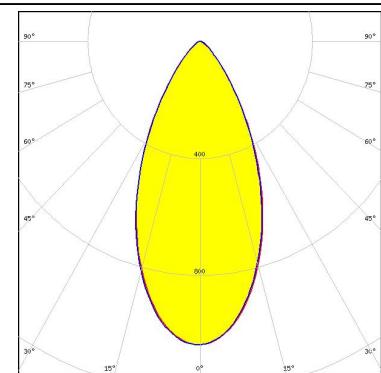
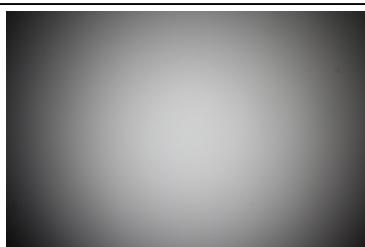
CITIZEN

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



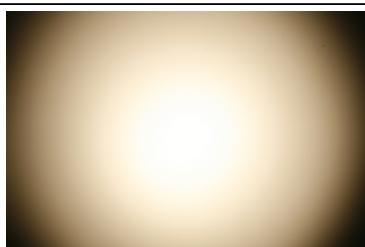
CITIZEN

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



CITIZEN

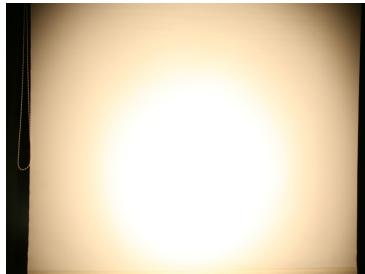
LED CLL02x/CLU02x (LES10)
 FWHM 46.0°
 Efficiency 84 %
 Peak intensity 1.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13333_MIRELLA-CL



PHOTOMETRIC DATA (MEASURED):

CITIZEN

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



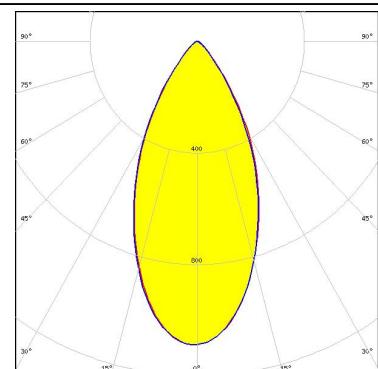
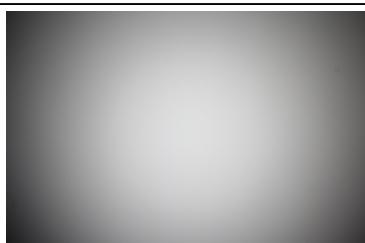
CITIZEN

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



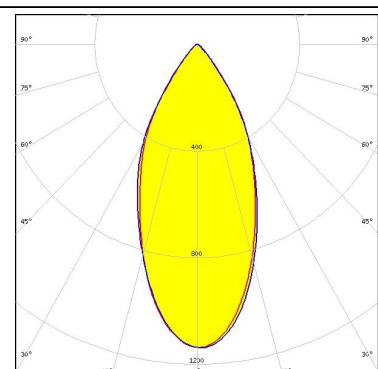
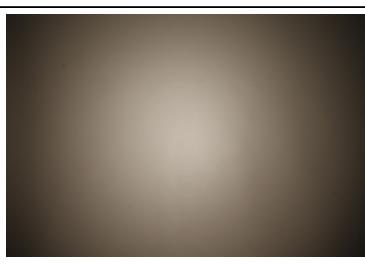
CITIZEN

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



CITIZEN

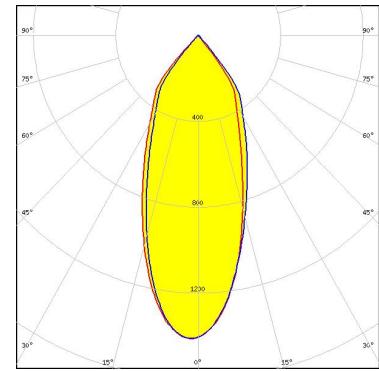
LED CLU700/701/702
 FWHM 47.0°
 Efficiency 82 %
 Peak intensity 1.1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C12479_MIRELLA-DL



PHOTOMETRIC DATA (MEASURED):

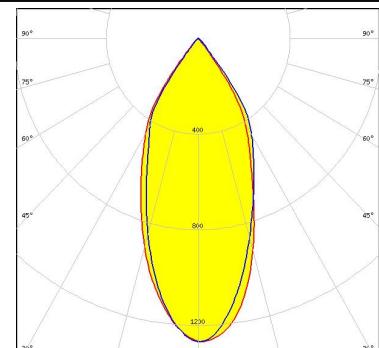
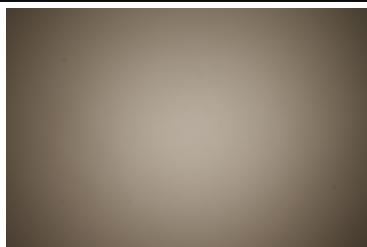
CITIZEN

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



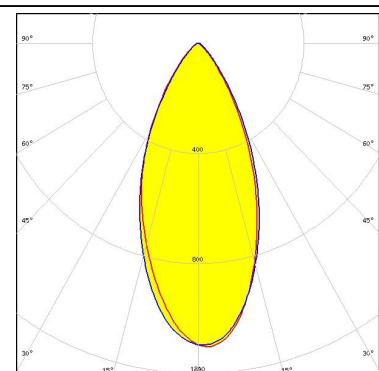
CITIZEN

LED CLU700/701/702
 FWHM 44.0°
 Efficiency 82 %
 Peak intensity 1.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



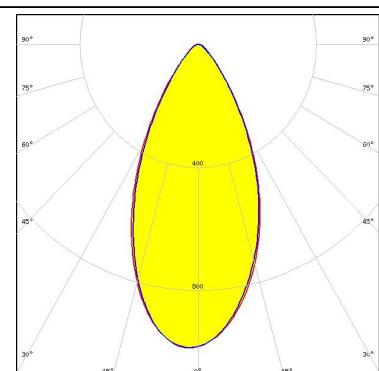
CITIZEN

LED CLU700/701/702
 FWHM 46.0°
 Efficiency 80 %
 Peak intensity 1.1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



CITIZEN

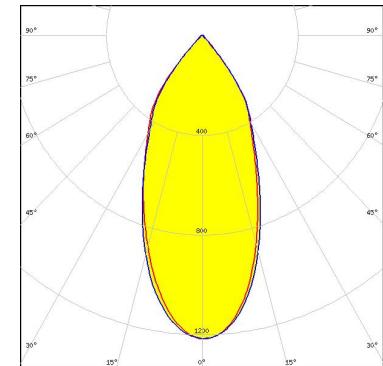
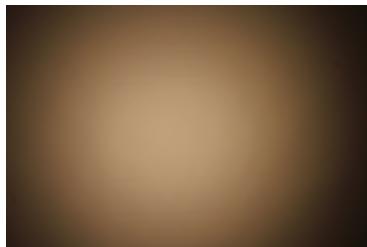
LED CLU710/711
 FWHM 49.0°
 Efficiency 80 %
 Peak intensity 1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



PHOTOMETRIC DATA (MEASURED):

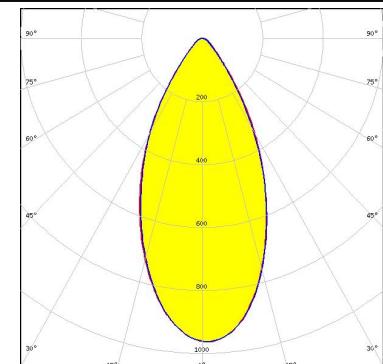
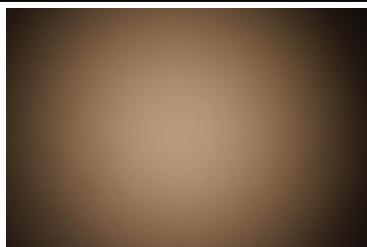
CITIZEN

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



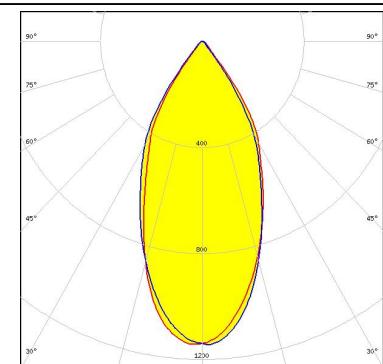
CITIZEN

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



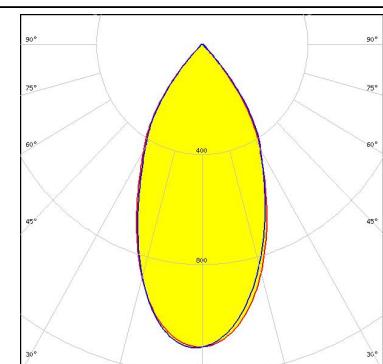
CITIZEN

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



CITIZEN

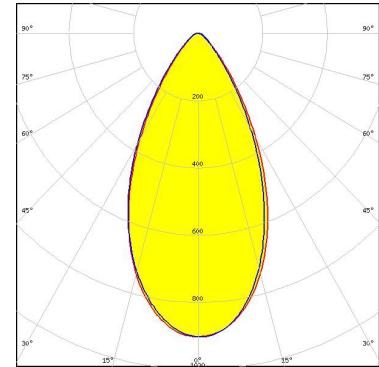
LED CLU720/721
 FWHM 51.0°
 Efficiency 88 %
 Peak intensity 1.1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



PHOTOMETRIC DATA (MEASURED):

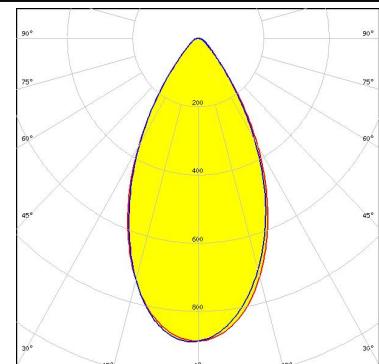
CITIZEN

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



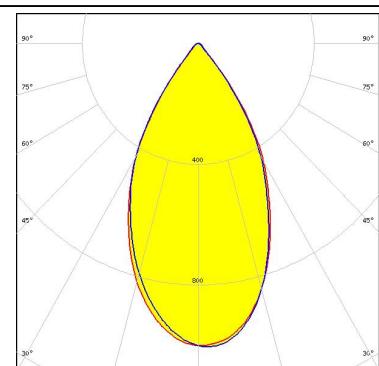
CITIZEN

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



CITIZEN

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



CREE

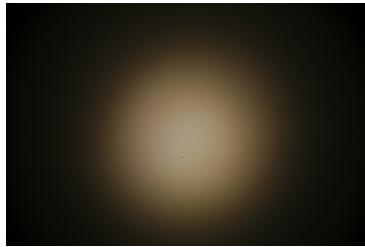
LED CXA/B 13xx
 FWHM 43.0°
 Efficiency 81 %
 Peak intensity 1.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C12479_MIRELLA-DL



PHOTOMETRIC DATA (MEASURED):

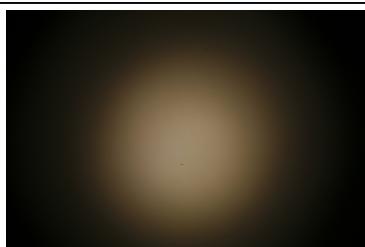
CREE 

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



CREE 

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



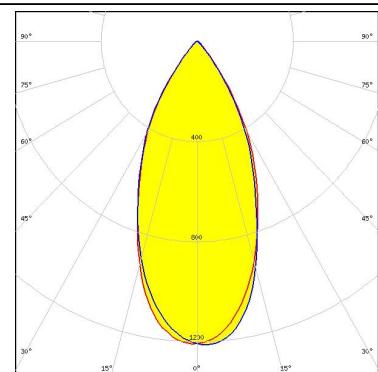
CREE 

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



CREE 

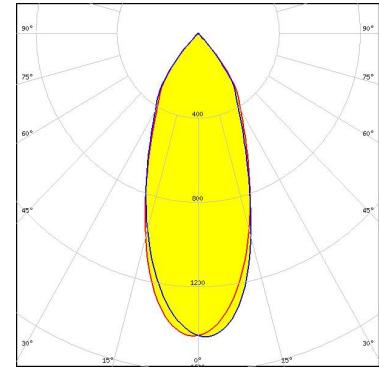
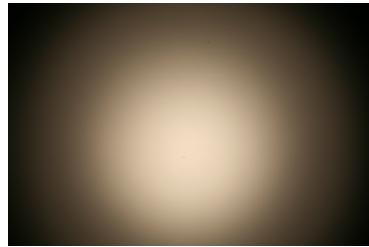
LED CXA/B 15xx
 FWHM 50.0°
 Efficiency 87 %
 Peak intensity 1.1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C12479_MIRELLA-DL



PHOTOMETRIC DATA (MEASURED):

CREE 

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



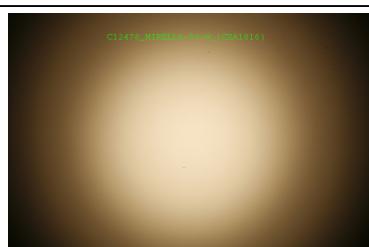
CREE 

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



CREE 

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



CREE 

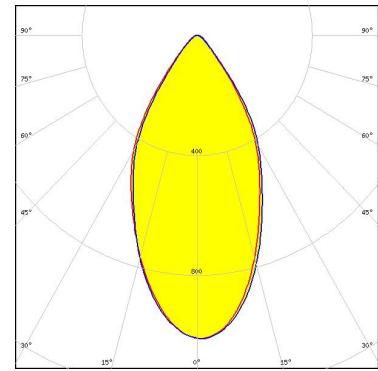
LED CXA/B 1816 & CXA/B 1820 & CXA 1850
 FWHM 56.0°
 Efficiency 82 %
 Peak intensity 1.1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13333_MIRELLA-CL



PHOTOMETRIC DATA (MEASURED):

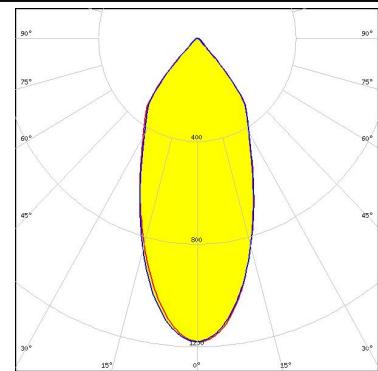
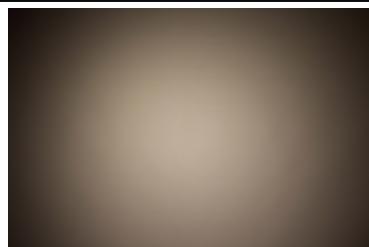
CREE 

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



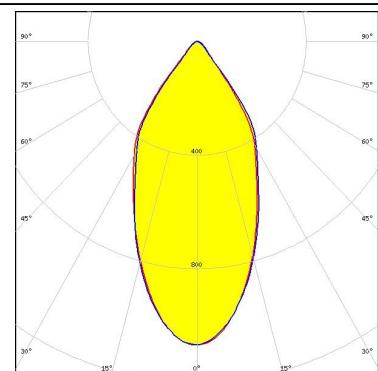
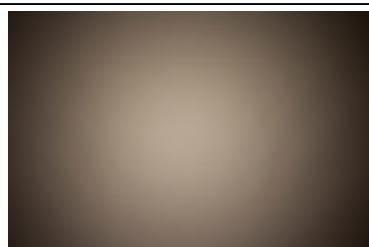
CREE 

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



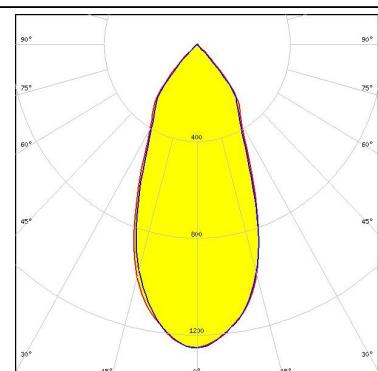
CREE 

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



CREE 

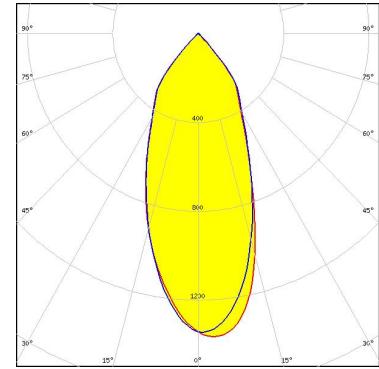
LED MT-G
FWHM 46.0°
Efficiency 90 %
Peak intensity 1.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:



PHOTOMETRIC DATA (MEASURED):

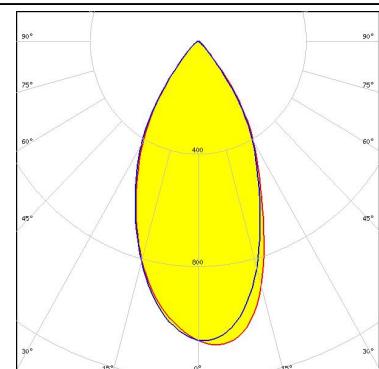
CREE

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



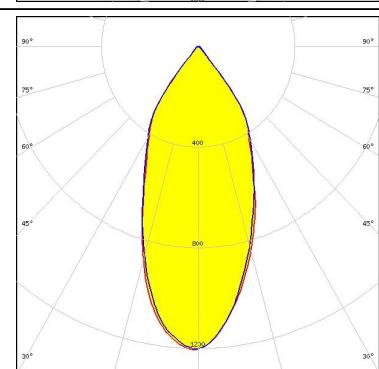
CREE

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



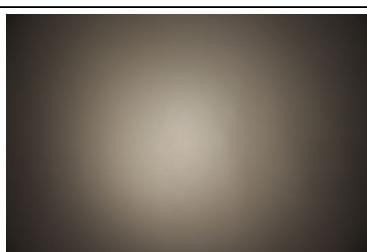
CREE

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



CREE

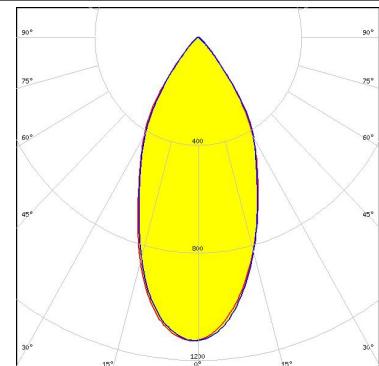
LED XHP50
FWHM 45.0°
Efficiency 84 %
Peak intensity 1.2 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13333_MIRELLA-CL



PHOTOMETRIC DATA (MEASURED):

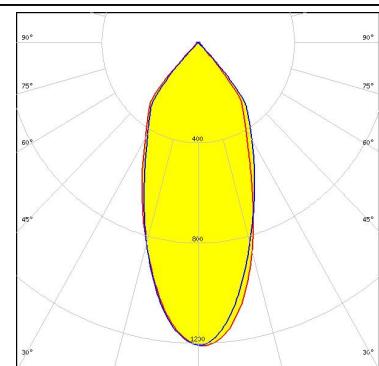
CREE 

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



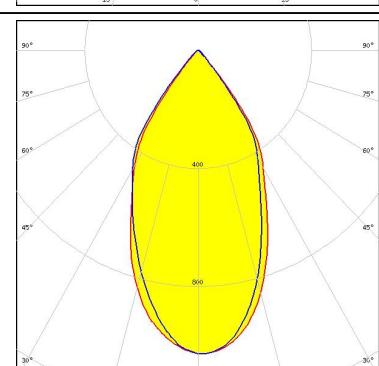
CREE 

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



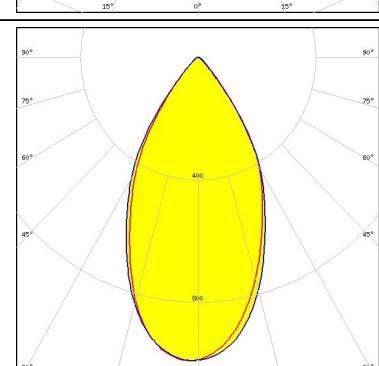
CREE 

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



CREE 

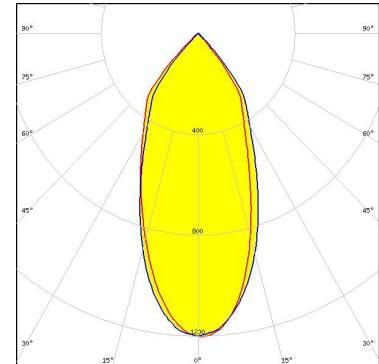
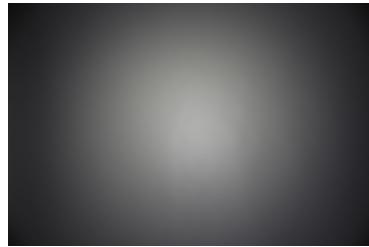
LED XHP70
FWHM 54.0°
Efficiency 84 %
Peak intensity 1 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C12479_MIRELLA-DL



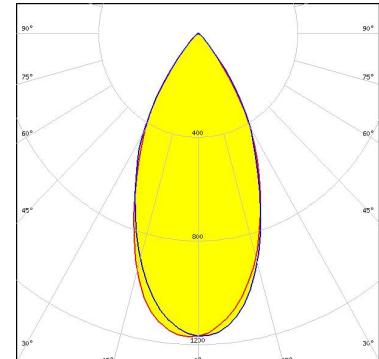
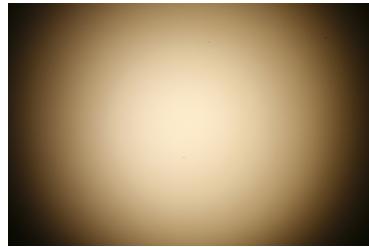
PHOTOMETRIC DATA (MEASURED):



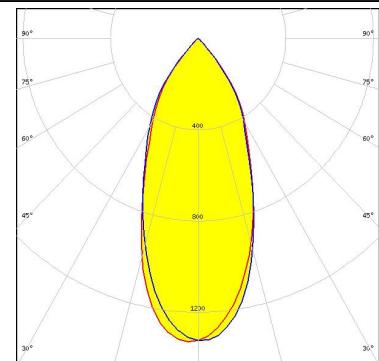
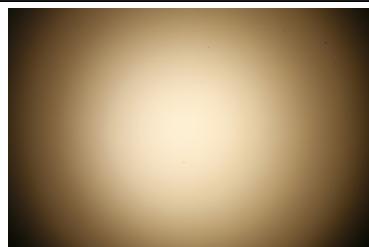
LED XHP70
FWHM 45.0°
Efficiency 89 %
Peak intensity 1.2 cd/lm
LEDs/each optic 1
Light colour White
Required components:



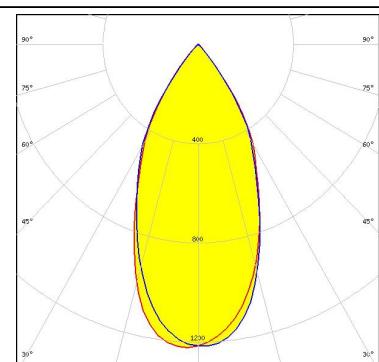
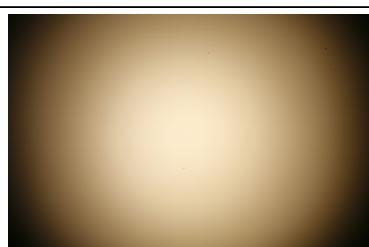
LED LUXEON CoB 1202/1203
FWHM 50.0°
Efficiency 84 %
Peak intensity 1.2 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C12479_MIRELLA-DL



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



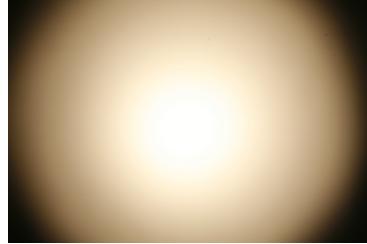
LED LUXEON CoB 1202/1203
FWHM 49.0°
Efficiency 84 %
Peak intensity 1.2 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13333_MIRELLA-CL



PHOTOMETRIC DATA (MEASURED):



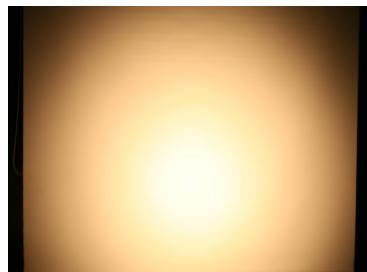
LED LUXEON S1000
 FWHM 34.0°
 Efficiency 84 %
 Peak intensity 1.7 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13333_MIRELLA-CL



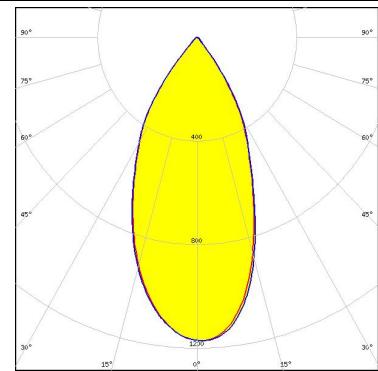
LED LUXEON S1000
 FWHM 34.0°
 Efficiency %
 LEDs/each optic 1
 Light colour White
 Required components:



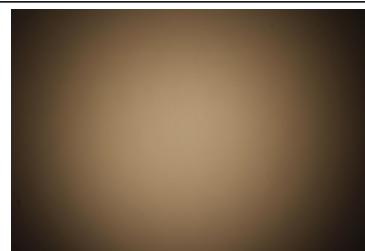
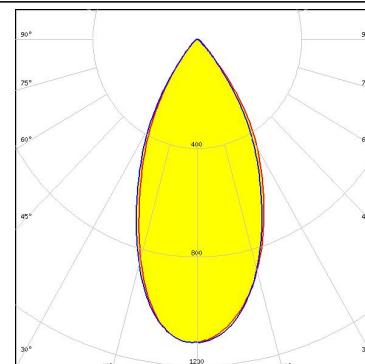
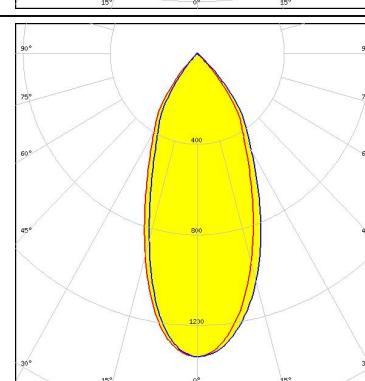
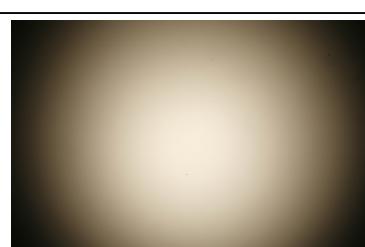
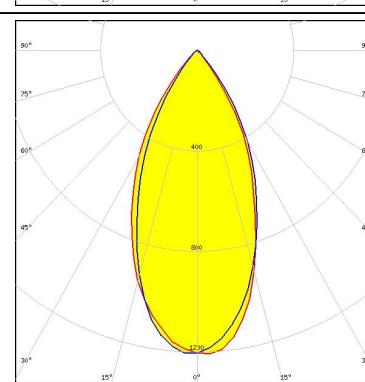
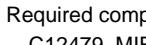
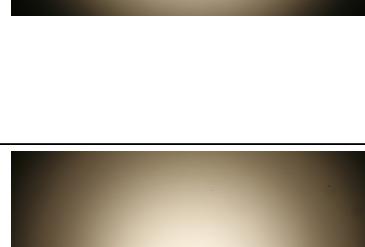
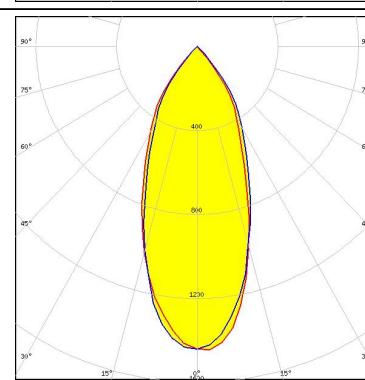
LED LUXEON S1000
 FWHM 41.0°
 Efficiency %
 LEDs/each optic 1
 Light colour White
 Required components:
 C12479_MIRELLA-DL



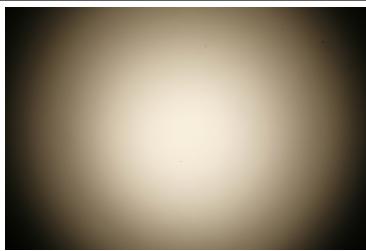
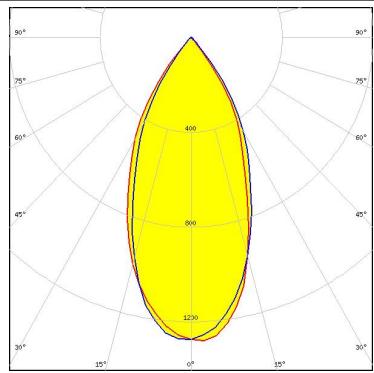
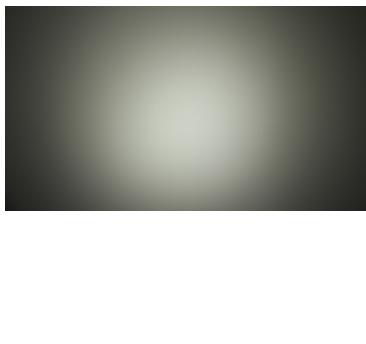
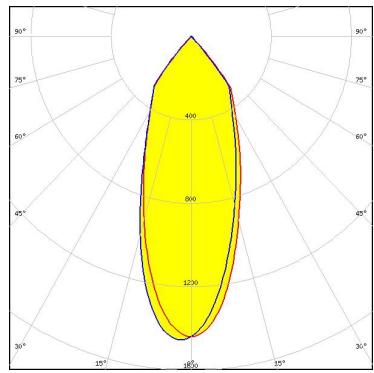
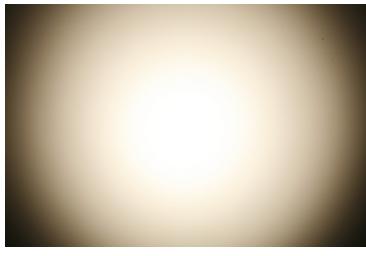
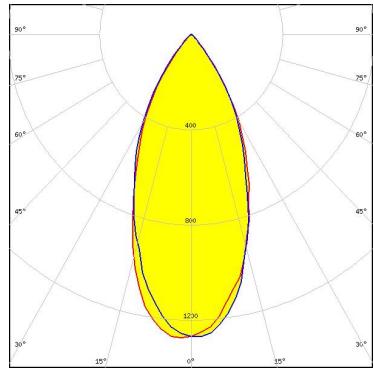
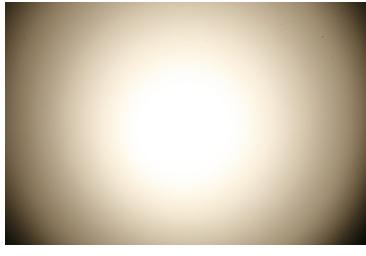
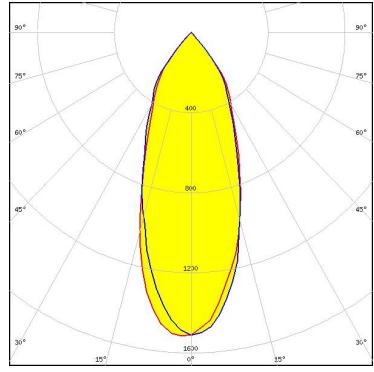
LED CxM-9 (13.5x13.5)
 FWHM 48.0°
 Efficiency 83 %
 Peak intensity 1.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13333_MIRELLA-CL



PHOTOMETRIC DATA (MEASURED):

	LUMINUS		
LUMINUS	LED CxM-9 (13.5x13.5) FWHM 49.0° Efficiency 83 % Peak intensity 1.1 cd/lm LEDs/each optic 1 Light colour White Required components: C12479_MIRELLA-DL		
	NICHIA		
	LED COB L-Type (LES 9) FWHM 48.0° Efficiency 83 % Peak intensity 1.2 cd/lm LEDs/each optic 1 Light colour White Required components: C12479_MIRELLA-DL		
	LED COB L-Type (LES 9) FWHM 42.0° Efficiency 89 % Peak intensity 1.4 cd/lm LEDs/each optic 1 Light colour White Required components:		

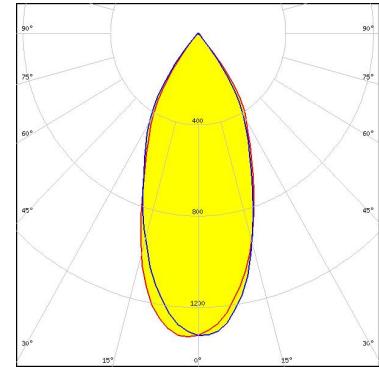
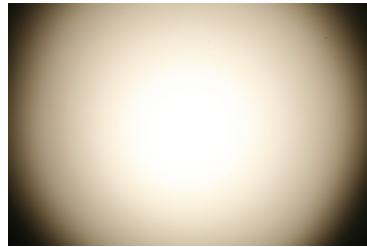
PHOTOMETRIC DATA (MEASURED):

	LED COB L-Type (LES 9)		
	LED NFMW48xA		
	LED NSCxL036A		
	LED NSCxL036A		

PHOTOMETRIC DATA (MEASURED):



LED NSCxL036A
 FWHM 44.0°
 Efficiency 83 %
 Peak intensity 1.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13333_MIRELLA-CL



OSRAM

Opto Semiconductors

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



OSRAM

Opto Semiconductors

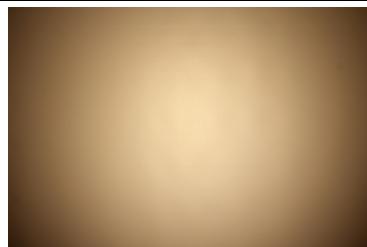
LED Duris S10
 FWHM 40.0°
 Efficiency 87 %
 Peak intensity 1.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



OSRAM

Opto Semiconductors

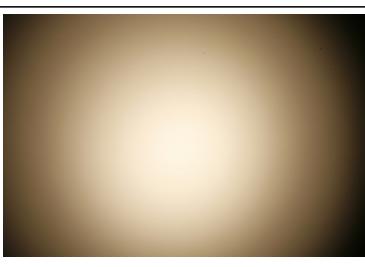
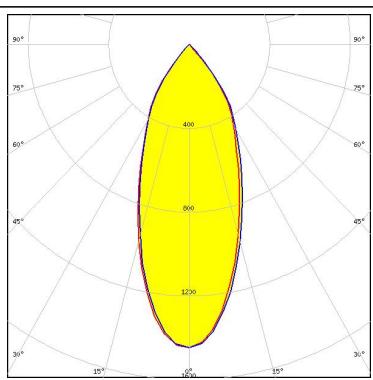
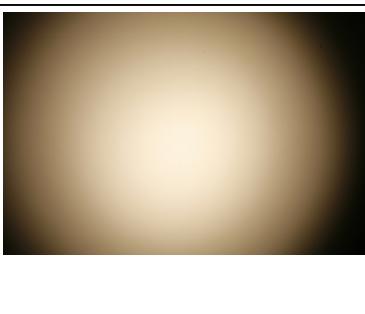
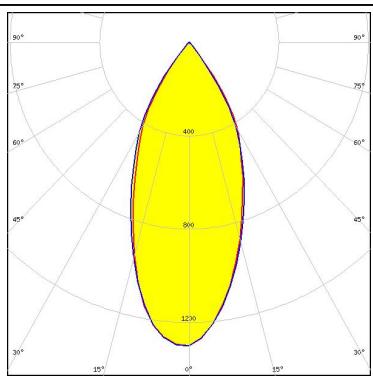
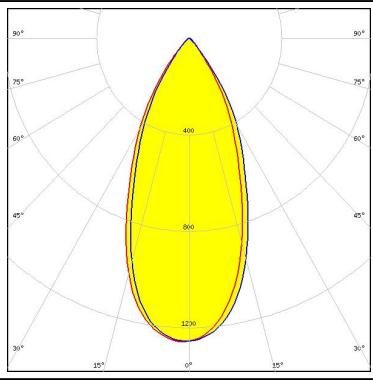
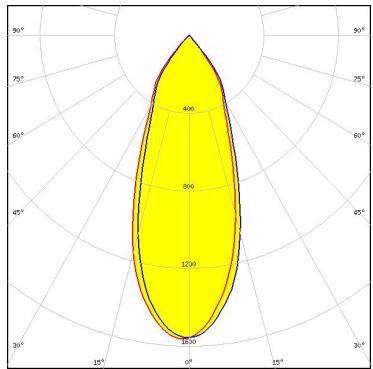
LED Duris S10
 FWHM 49.0°
 Efficiency 79 %
 Peak intensity 1.1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C12479_MIRELLA-DL



PHOTOMETRIC DATA (MEASURED):

OSRAM <small>Opto Semiconductors</small>	LED Soleriq S13 FWHM 57.0° Efficiency 80 % Peak intensity 1 cd/lm LEDs/each optic 1 Light colour White Required components: C13333_MIRELLA-CL		
OSRAM <small>Opto Semiconductors</small>	LED Soleriq S13 FWHM 57.0° Efficiency 81 % Peak intensity 1 cd/lm LEDs/each optic 1 Light colour White Required components: C12479_MIRELLA-DL		
OSRAM <small>Opto Semiconductors</small>	LED Soleriq S13 FWHM 55.0° Efficiency 85 % Peak intensity 1 cd/lm LEDs/each optic 1 Light colour White Required components:		
SEOUL SEMICONDUCTOR	LED ZC4/6 FWHM 48.0° Efficiency 81 % Peak intensity 1.2 cd/lm LEDs/each optic 1 Light colour White Required components: C12479_MIRELLA-DL		

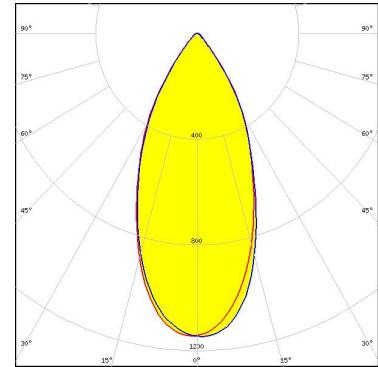
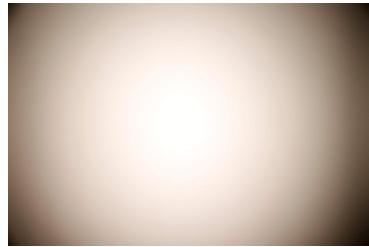
PHOTOMETRIC DATA (MEASURED):

 SEOUL SEMICONDUCTOR	LED ZC4/6 FWHM 42.0° Efficiency 86 % Peak intensity 1.4 cd/lm LEDs/each optic 1 Light colour White Required components:		
 SEOUL SEMICONDUCTOR	LED ZC4/6 FWHM 46.0° Efficiency 80 % Peak intensity 1.3 cd/lm LEDs/each optic 1 Light colour White Required components:		
	LED Mini Zenigata (GW5BM) FWHM 45.0° Efficiency 84 % Peak intensity 1.3 cd/lm LEDs/each optic 1 Light colour White Required components:		
	LED Mini Zenigata (GW5BM) FWHM 39.0° Efficiency 89 % Peak intensity 1.5 cd/lm LEDs/each optic 1 Light colour White Required components:		

PHOTOMETRIC DATA (MEASURED):

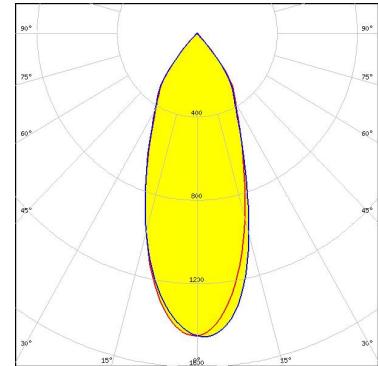
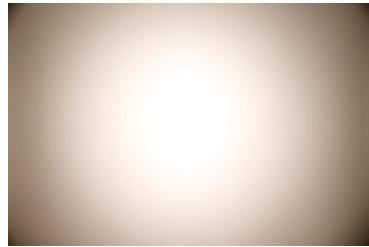
SHARP

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



SHARP

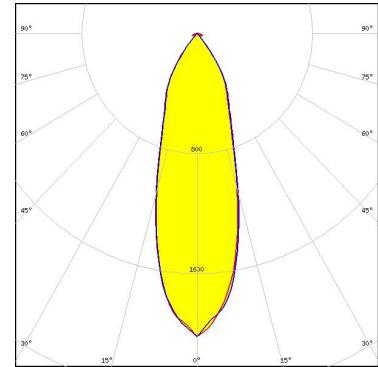
LED Mini Zenigata (GW6BM)
FWHM 38.0°
Efficiency 88 %
Peak intensity 1.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:



PHOTOMETRIC DATA (SIMULATED):



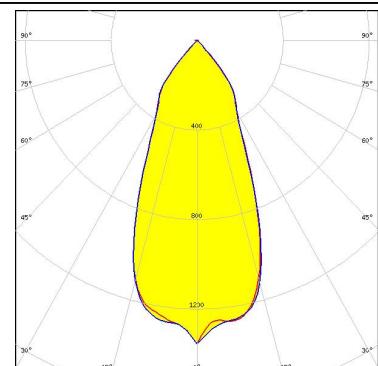
LED Vero SE 10
FWHM 32.0°
Efficiency 91 %
Peak intensity 2 cd/lm
LEDs/each optic 1
Light colour White
Required components:



OSRAM

Opto Semiconductors

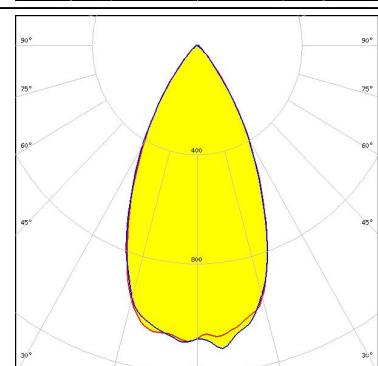
LED OSCONIQ P 7070
FWHM 45.0°
Efficiency 91 %
Peak intensity 1.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:



OSRAM

Opto Semiconductors

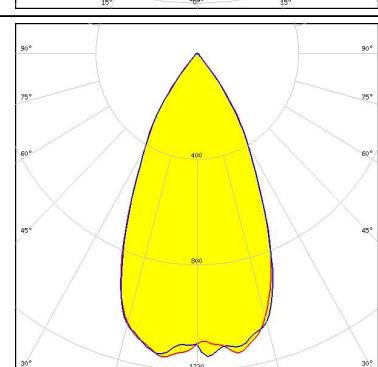
LED Soleriq S9
FWHM 51.0°
Efficiency 85 %
Peak intensity 1.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:
 C13723_MIRELLA-RZL



OSRAM

Opto Semiconductors

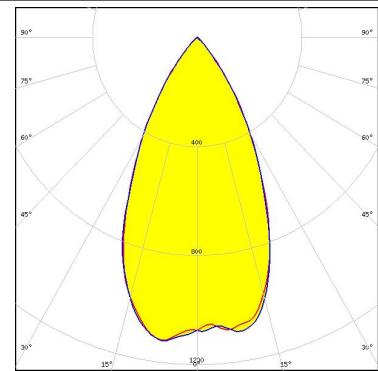
LED Soleriq S9
FWHM 50.0°
Efficiency 87 %
Peak intensity 1.2 cd/lm
LEDs/each optic 1
Light colour White
Required components:
 C13333_MIRELLA-CL



PHOTOMETRIC DATA (SIMULATED):

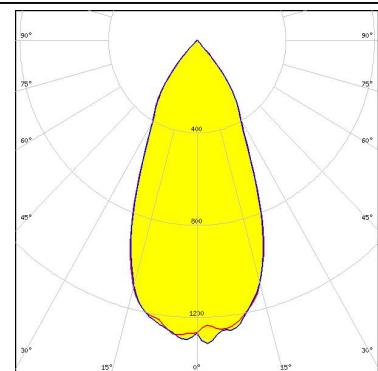
OSRAM
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LED Soleriq S9
FWHM 51.0°
Efficiency 85 %
Peak intensity 1.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C12479_MIRELLA-DL



OSRAM
Opto Semiconductors

LED Soleriq S9
FWHM 47.0°
Efficiency 91 %
Peak intensity 1.3 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.

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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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C12478_MIRELLA-50-W