

MIRELLA-50-M

~30° medium beam

TECHNICAL SPECIFICATIONS:

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

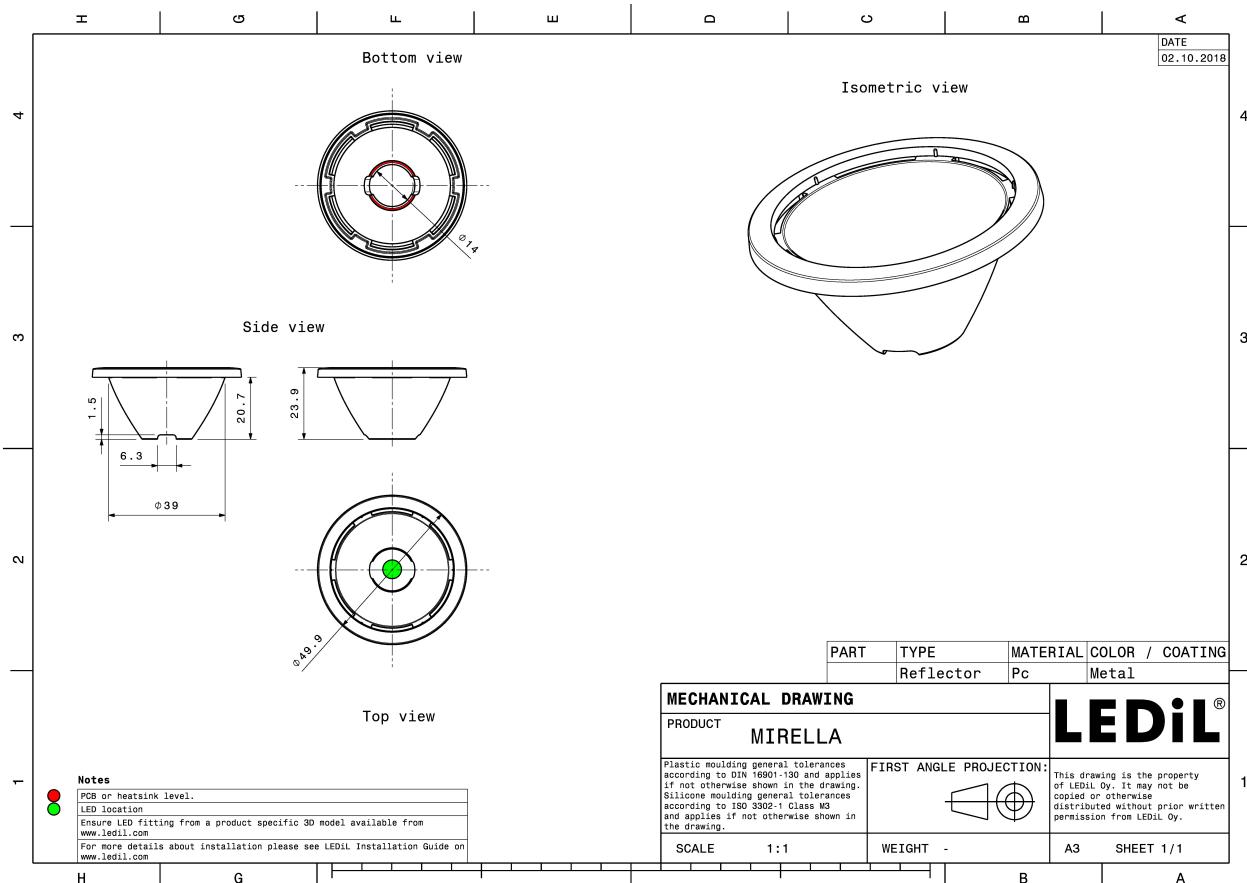


MATERIAL SPECIFICATIONS:

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

ORDERING INFORMATION:

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

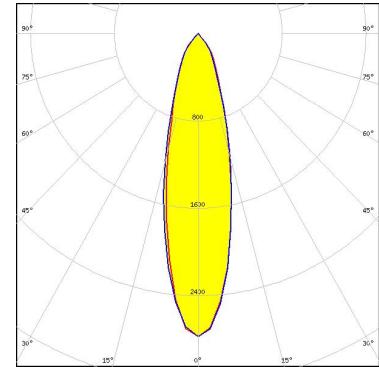
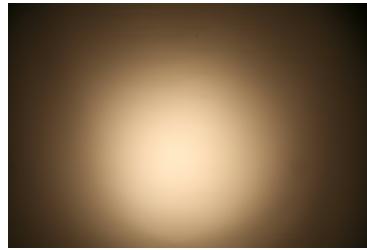


See also our general installation guide: www.ledil.com/installation_guide

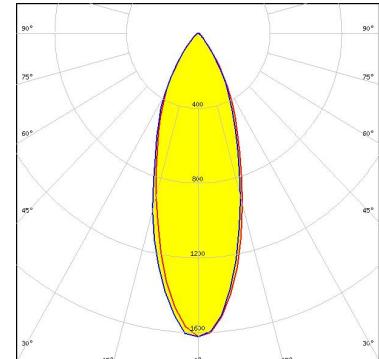
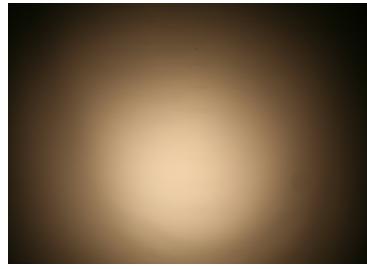
PHOTOMETRIC DATA (MEASURED):



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



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

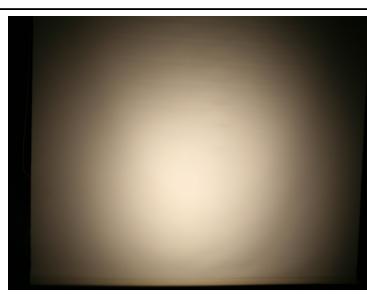


LED BXRA LS
FWHM 27.0°
Efficiency 84 %
Peak intensity 2.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13333_MIRELLA-CL



CITIZEN

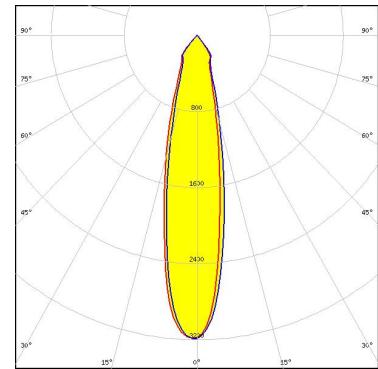
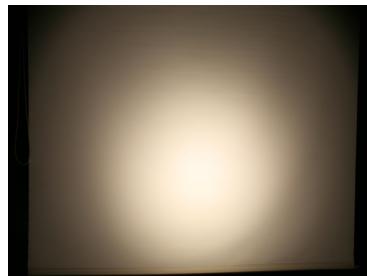
LED CLL01x
FWHM 39.0°
Efficiency %
LEDs/each optic 1
Light colour White
Required components:
C12479_MIRELLA-DL



PHOTOMETRIC DATA (MEASURED):

CITIZEN

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



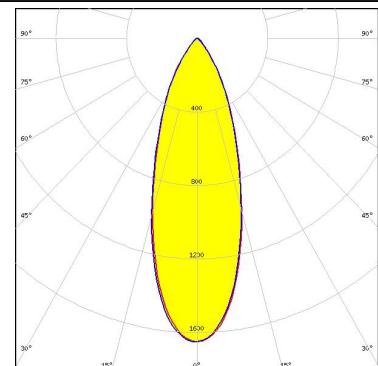
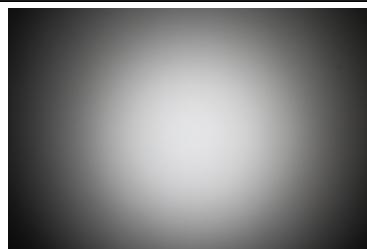
CITIZEN

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



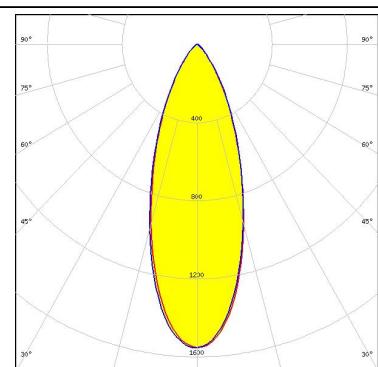
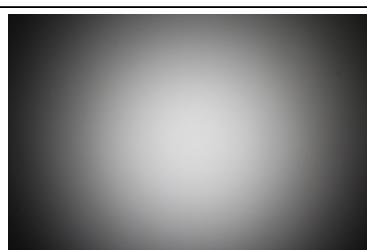
CITIZEN

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



CITIZEN

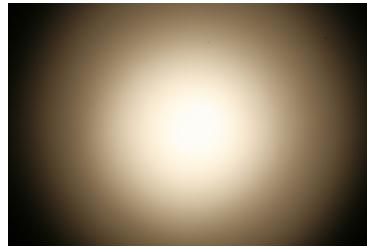
LED CLL02x/CLU02x (LES10)
FWHM 37.0°
Efficiency 82 %
Peak intensity 1.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13723_MIRELLA-RZL



PHOTOMETRIC DATA (MEASURED):

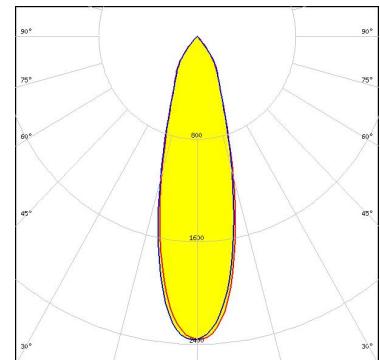
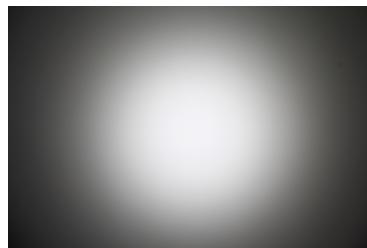
CITIZEN

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



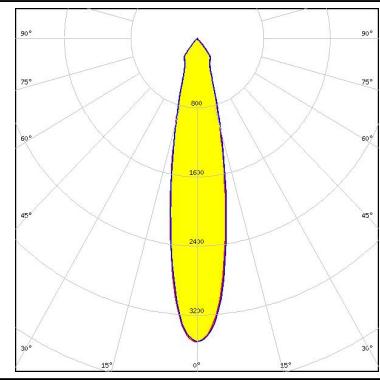
CITIZEN

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



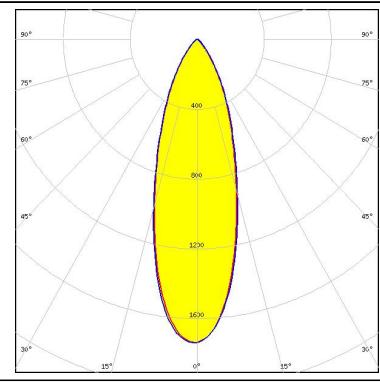
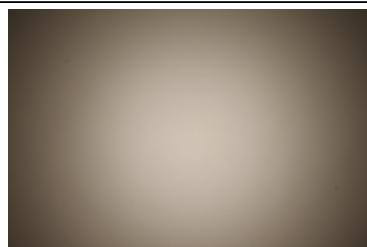
CITIZEN

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



CITIZEN

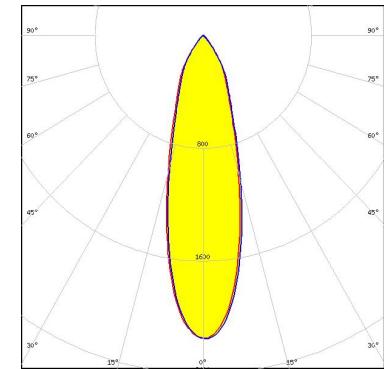
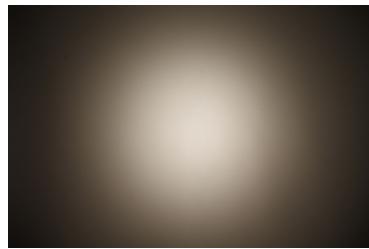
LED CLU700/701/702
 FWHM 33.0°
 Efficiency 82 %
 Peak intensity 1.7 cd/Im
 LEDs/each optic 1
 Light colour White
 Required components:
 C13723_MIRELLA-RZL



PHOTOMETRIC DATA (MEASURED):

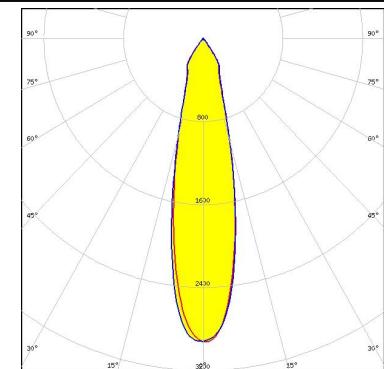
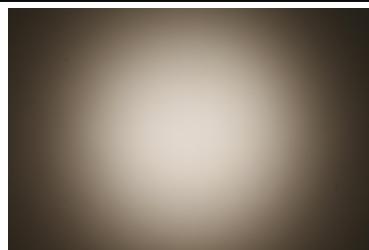
CITIZEN

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



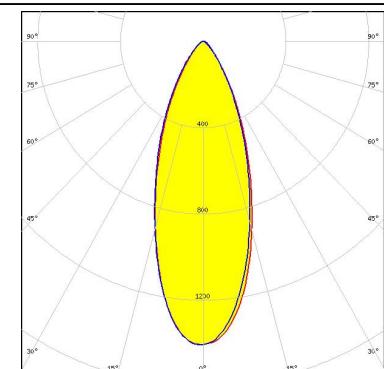
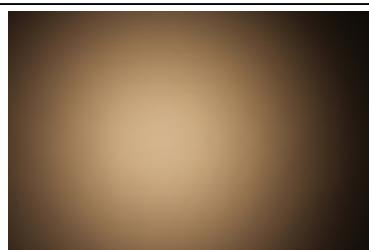
CITIZEN

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



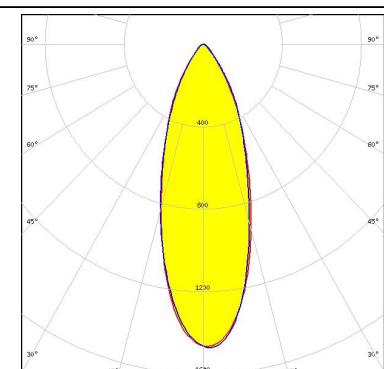
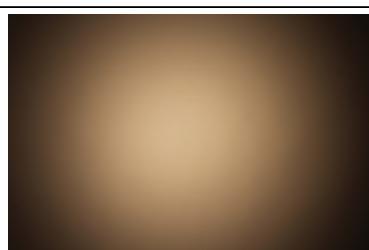
CITIZEN

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



CITIZEN

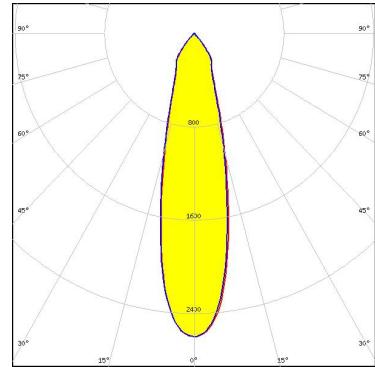
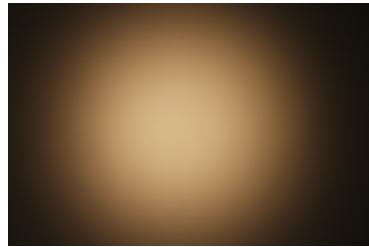
LED CLU710/711
FWHM 35.0°
Efficiency 81 %
Peak intensity 1.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C12479_MIRELLA-DL



PHOTOMETRIC DATA (MEASURED):

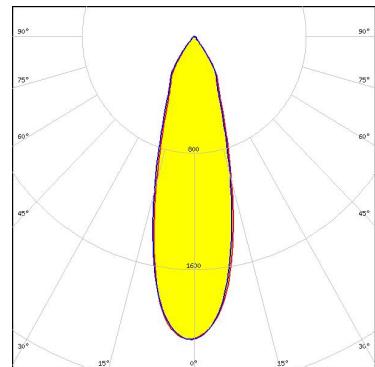
CITIZEN

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



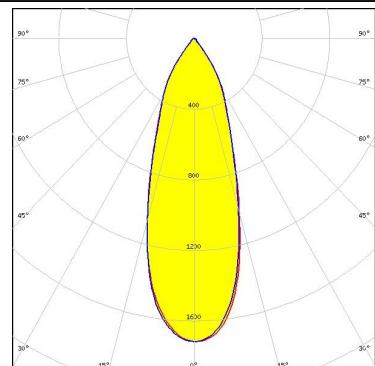
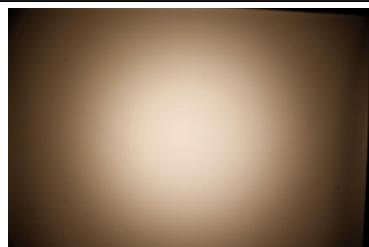
CITIZEN

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



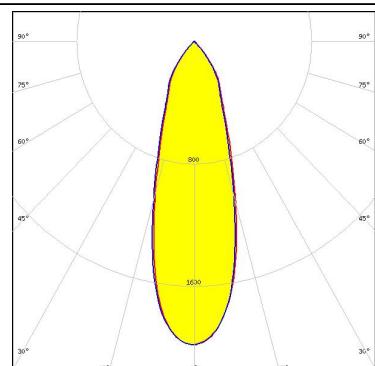
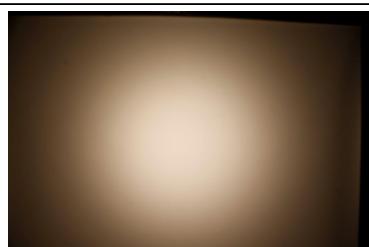
CITIZEN

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



CITIZEN

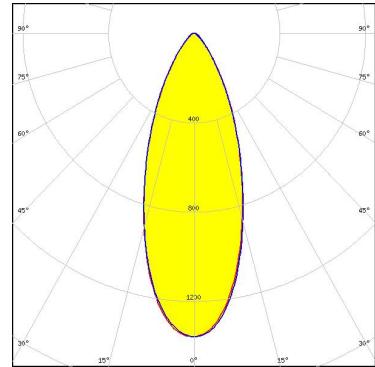
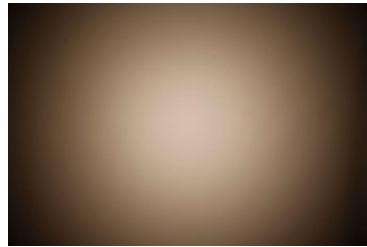
LED CLU720/721
FWHM 31.0°
Efficiency 90 %
Peak intensity 2 cd/Im
LEDs/each optic 1
Light colour White
Required components:



PHOTOMETRIC DATA (MEASURED):

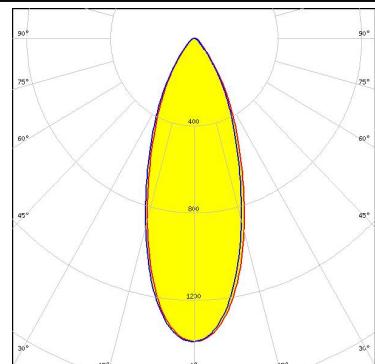
CITIZEN

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



CITIZEN

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



CREE

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



CREE

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



PHOTOMETRIC DATA (MEASURED):

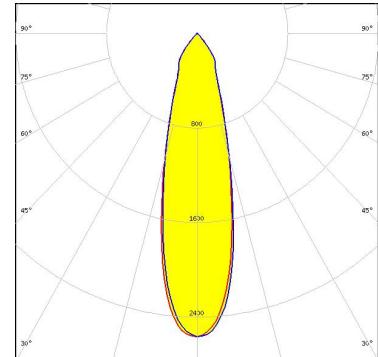
CREE 

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



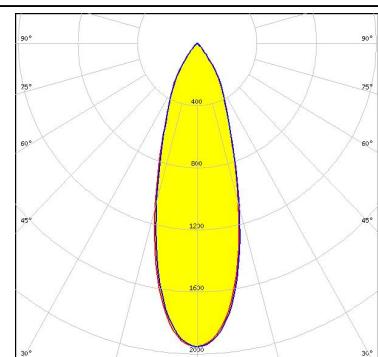
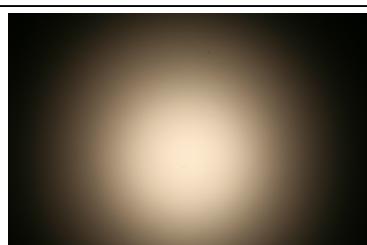
CREE 

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



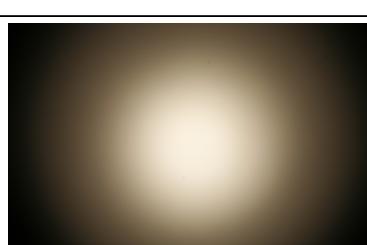
CREE 

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



CREE 

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



PHOTOMETRIC DATA (MEASURED):

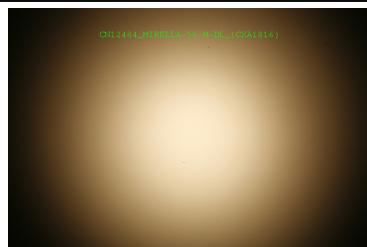
CREE 

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



CREE 

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



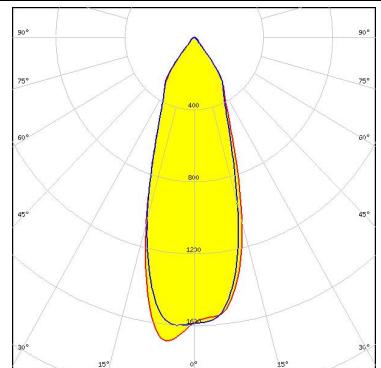
CREE 

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



CREE 

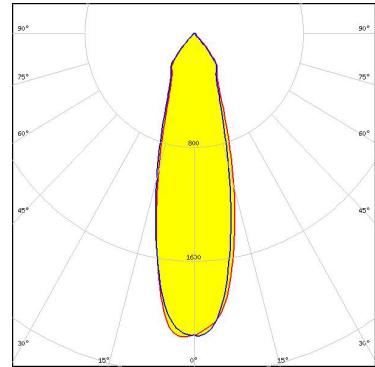
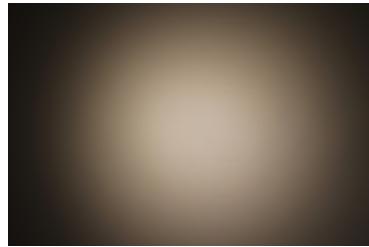
LED MHD-E/G
 FWHM 35.0°
 Efficiency 88 %
 Peak intensity 1.7 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13333_MIRELLA-CL



PHOTOMETRIC DATA (MEASURED):

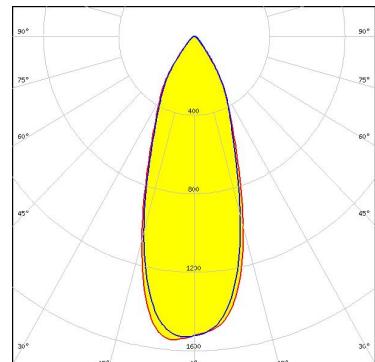
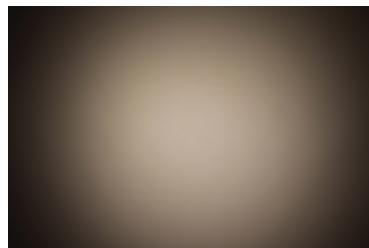
CREE 

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



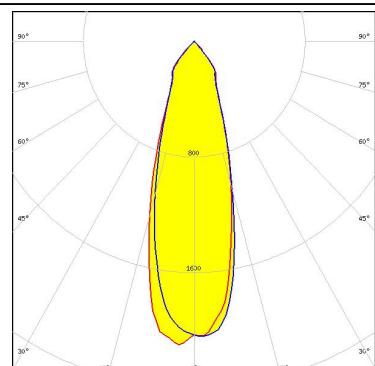
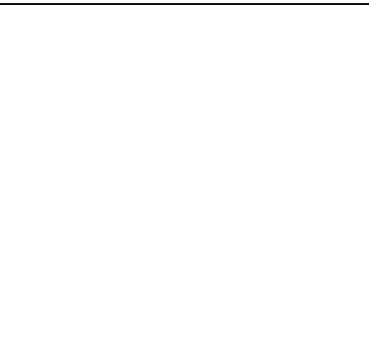
CREE 

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



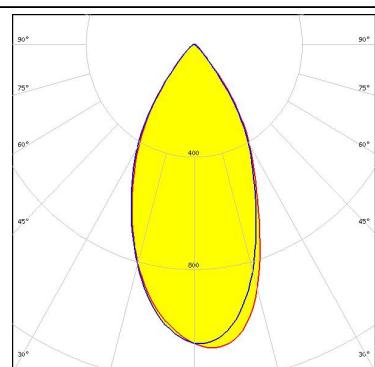
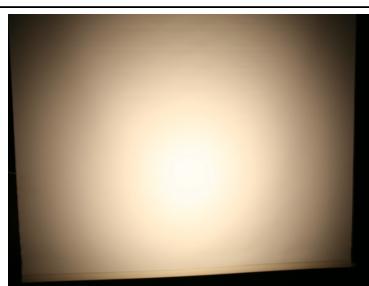
CREE 

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



CREE 

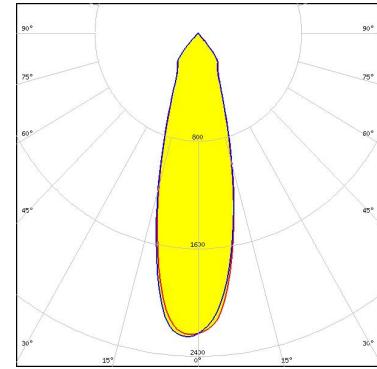
LED MT-G2
FWHM 38.0°
Efficiency 83 %
Peak intensity 1.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C12479_MIRELLA-DL



PHOTOMETRIC DATA (MEASURED):

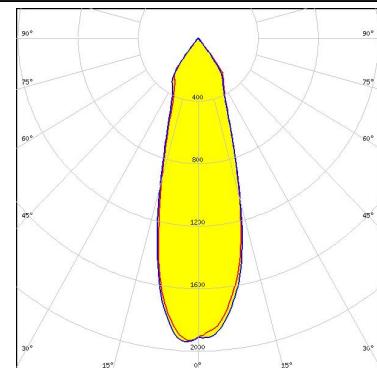
CREE 

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



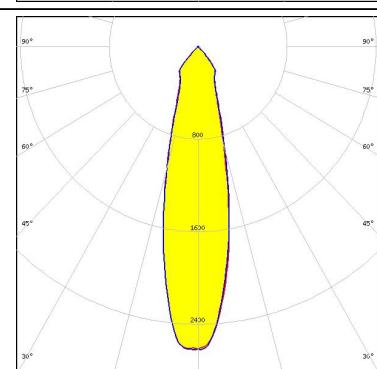
CREE 

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



CREE 

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



CREE 

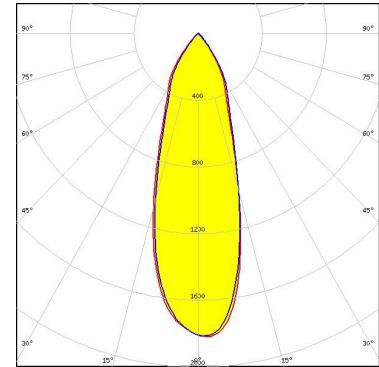
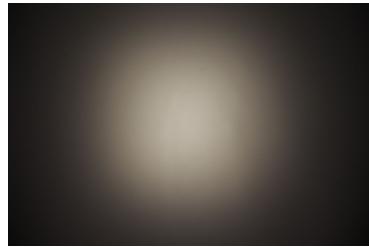
LED XHP50
FWHM 25.0°
Efficiency 91 %
Peak intensity 2.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:



PHOTOMETRIC DATA (MEASURED):

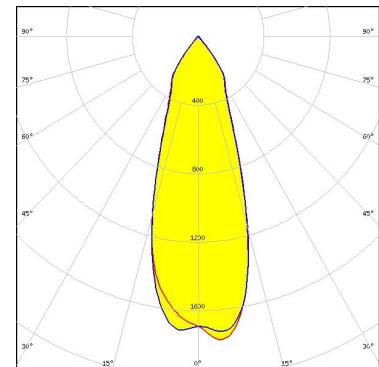
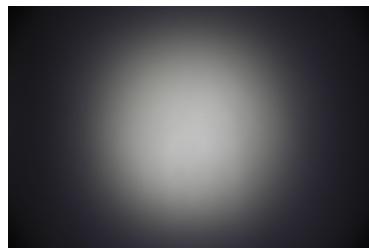
CREE 

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



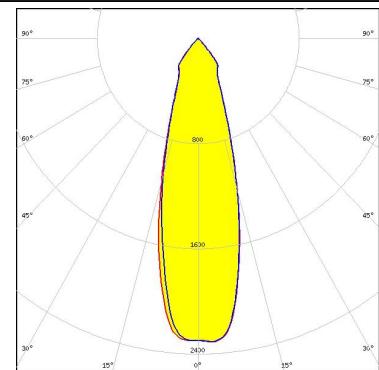
CREE 

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



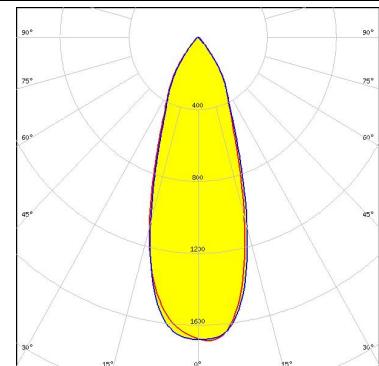
CREE 

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

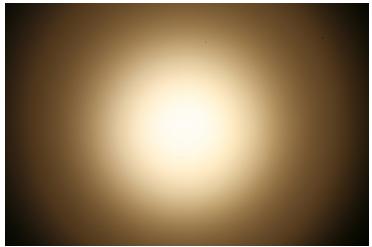
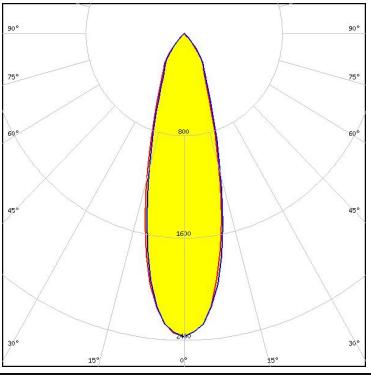
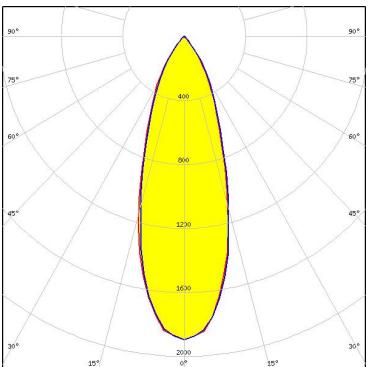
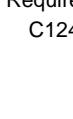
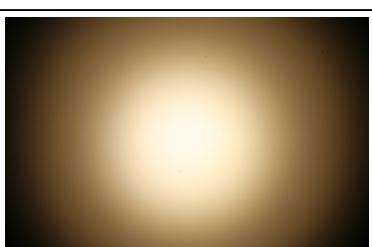
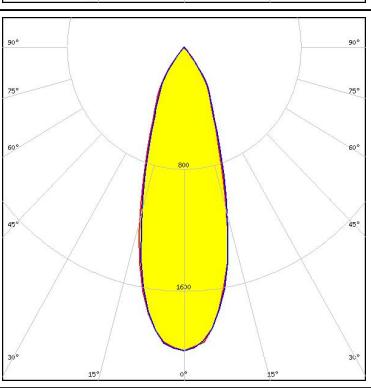
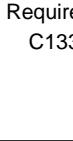


CREE 

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



PHOTOMETRIC DATA (MEASURED):

	LUMILEDS		
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON CoB 1202/1203 29.0° 89 % 2.4 cd/Im 1 White C12477_MIRELLA-50-M		
	LUMILEDS LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required components: C12479_MIRELLA-DL		
	LUMILEDS LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required components: C13333_MIRELLA-CL		

PHOTOMETRIC DATA (MEASURED):



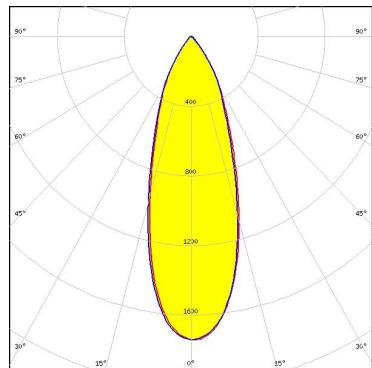
LED LUXEON S1000
 FWHM 22.0°
 Efficiency %
 LEDs/each optic 1
 Light colour White
 Required components:



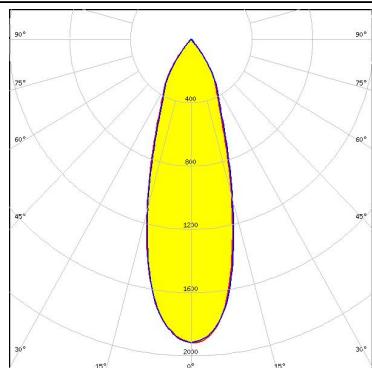
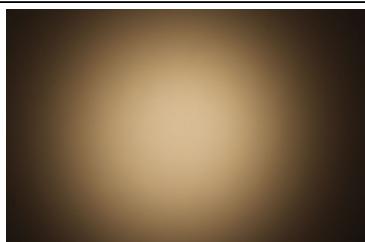
LED LUXEON S1000
 FWHM 28.0°
 Efficiency %
 LEDs/each optic 1
 Light colour White
 Required components:
 C12479_MIRELLA-DL



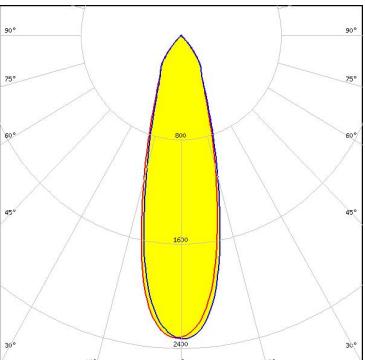
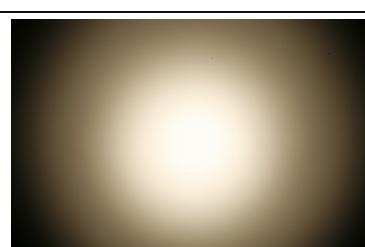
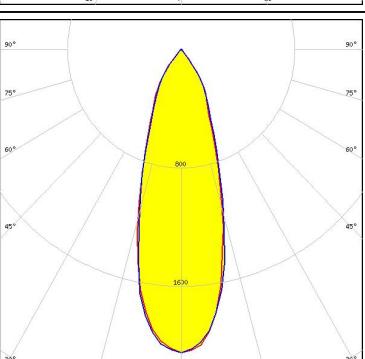
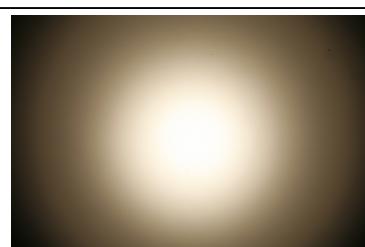
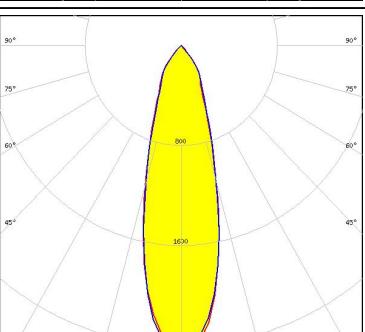
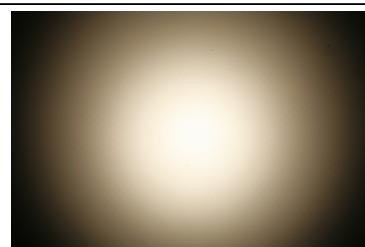
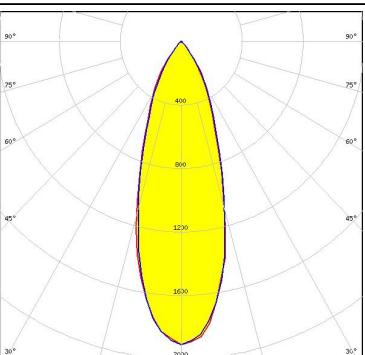
LED CxM-9 (13.5x13.5)
 FWHM 34.0°
 Efficiency 85 %
 Peak intensity 1.7 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C12479_MIRELLA-DL



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

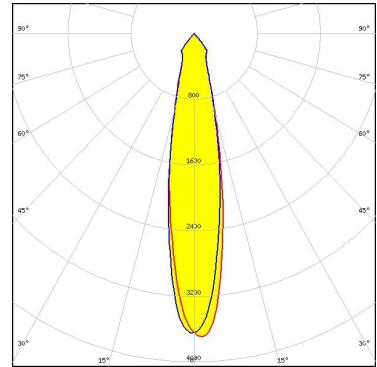


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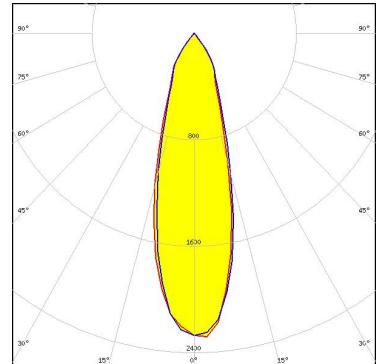
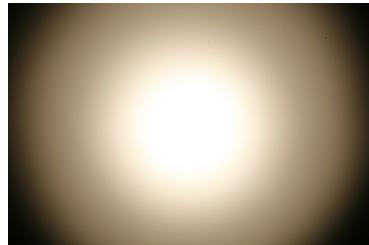
	LUMINUS	<p>LED CxM-9 (13.5x13.5) FWHM 29.0° Efficiency 90 % Peak intensity 2.3 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		
	NICHIA	<p>LED COB L-Type (LES 9) FWHM 33.0° Efficiency 86 % Peak intensity 2.1 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		
	NICHIA	<p>LED COB L-Type (LES 9) FWHM 29.0° Efficiency 90 % Peak intensity 2.4 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		
	NICHIA	<p>LED COB L-Type (LES 9) FWHM 34.0° Efficiency 84 % Peak intensity 1.9 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		

PHOTOMETRIC DATA (MEASURED):

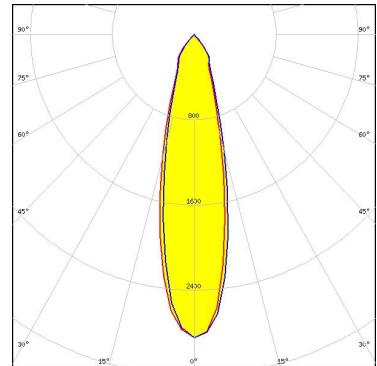
 NICHIA	
LED	NFMW48xA
FWHM	21.0°
Efficiency	82 %
Peak intensity	3.3 cd/Im
LEDs/each optic	1
Light colour	White
Required components:	



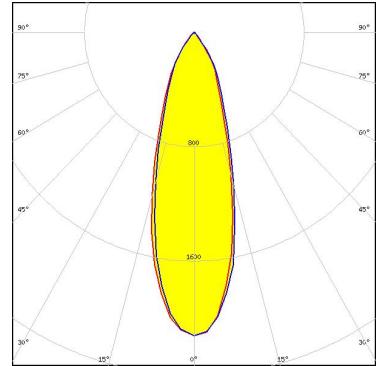
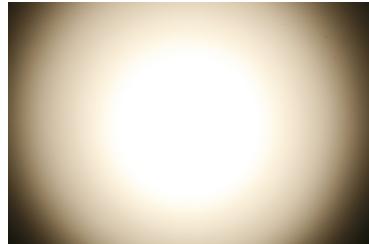
 NICHIA	
LED	NSCxL036A
FWHM	30.0°
Efficiency	85 %
Peak intensity	2.3 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
	C13333_MIRELLA-CL



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



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

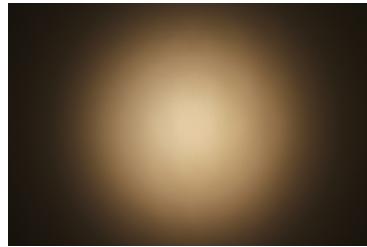


PHOTOMETRIC DATA (MEASURED):

OSRAM

Opto Semiconductors

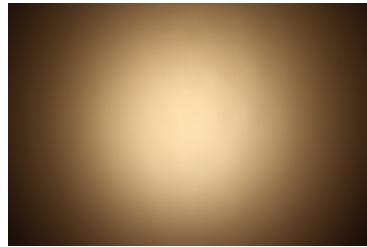
LED Duris S10
FWHM 24.0°
Efficiency 88 %
Peak intensity 3.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:



OSRAM

Opto Semiconductors

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



OSRAM

Opto Semiconductors

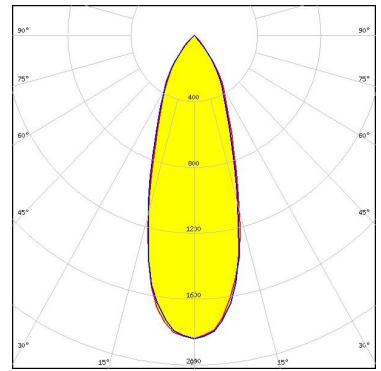
LED Duris S10
FWHM 29.0°
Efficiency 83 %
Peak intensity 2.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13333_MIRELLA-CL



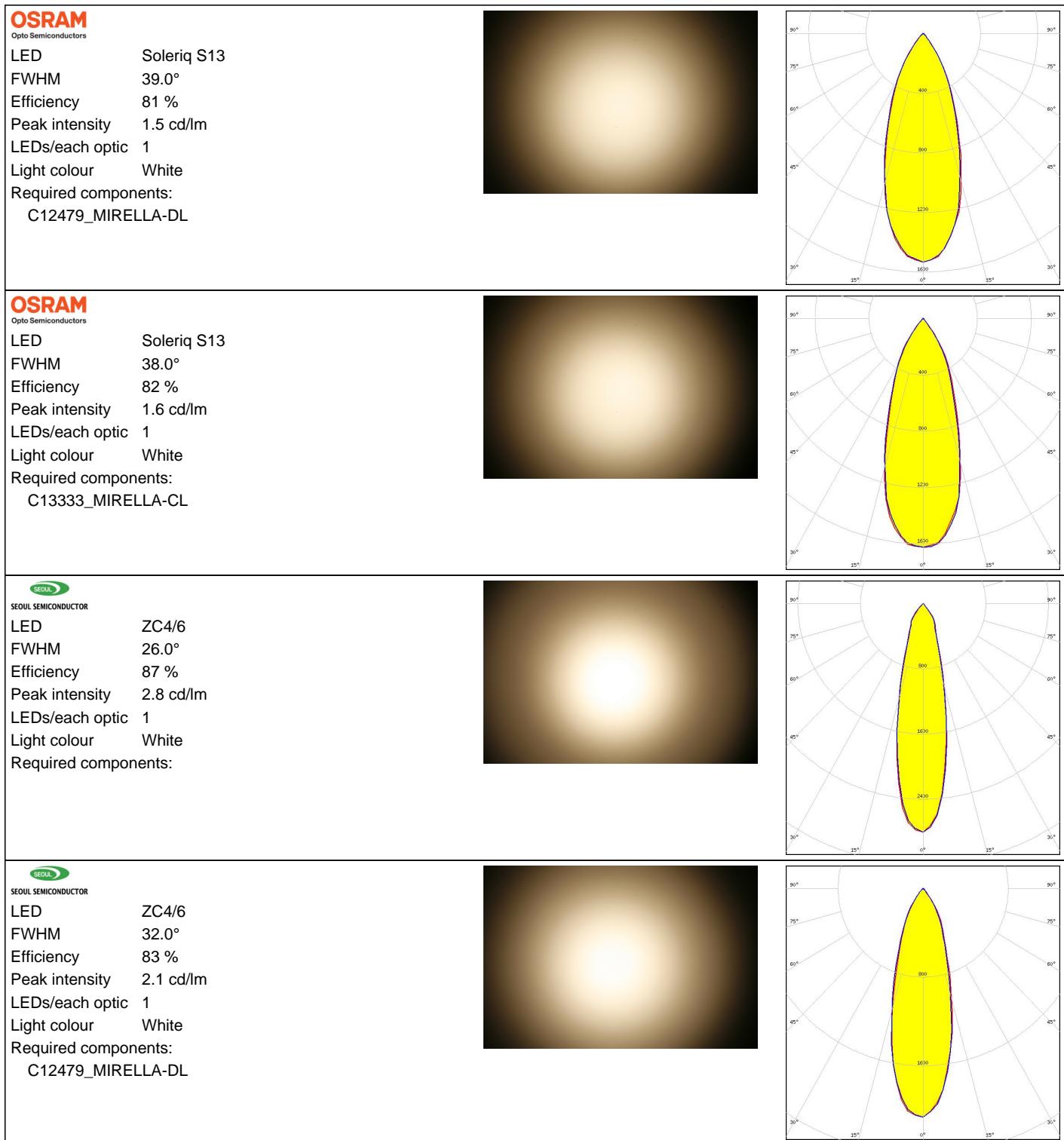
OSRAM

Opto Semiconductors

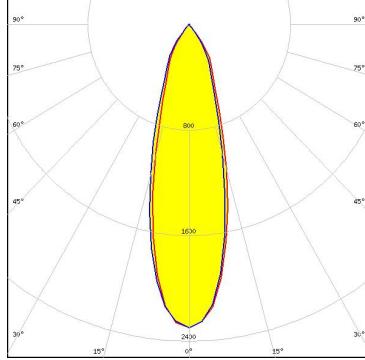
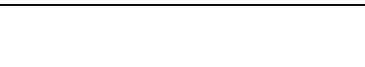
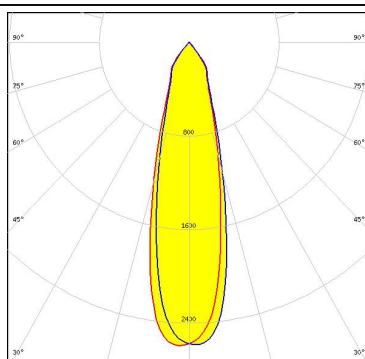
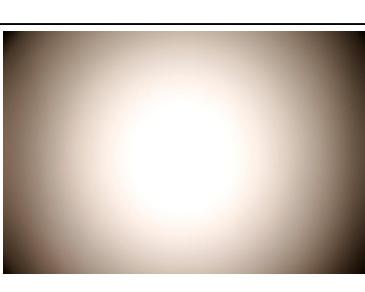
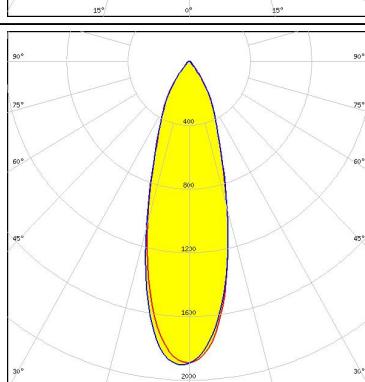
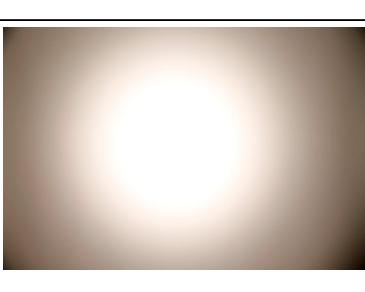
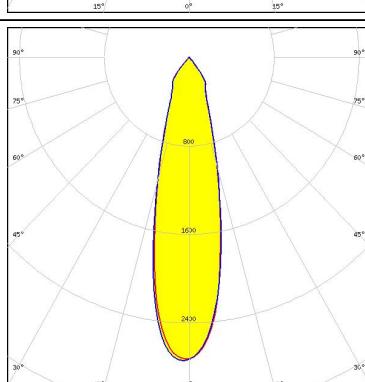
LED Soleriq S13
FWHM 35.0°
Efficiency 87 %
Peak intensity 1.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:



PHOTOMETRIC DATA (MEASURED):



PHOTOMETRIC DATA (MEASURED):

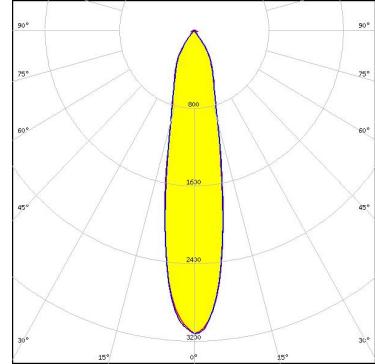
 SEOUL SEMICONDUCTOR	LED ZC4/6 FWHM 30.0° Efficiency 82 % Peak intensity 2.3 cd/lm LEDs/each optic 1 Light colour White Required components: C13333_MIRELLA-CL		
SHARP	LED Mini Zenigata (GW5BM) FWHM 29.0° Efficiency 90 % Peak intensity 2.7 cd/lm LEDs/each optic 1 Light colour White Required components:		
SHARP	LED Mini Zenigata (GW6BM) FWHM 30.0° Efficiency 83 % Peak intensity 1.9 cd/lm LEDs/each optic 1 Light colour White Required components: C12479_MIRELLA-DL		
SHARP	LED Mini Zenigata (GW6BM) FWHM 25.0° Efficiency 90 % Peak intensity 2.7 cd/lm LEDs/each optic 1 Light colour White Required components:		

PHOTOMETRIC DATA (SIMULATED):



LED	Vero SE 10
FWHM	22.0°
Efficiency	91 %
Peak intensity	3.1 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

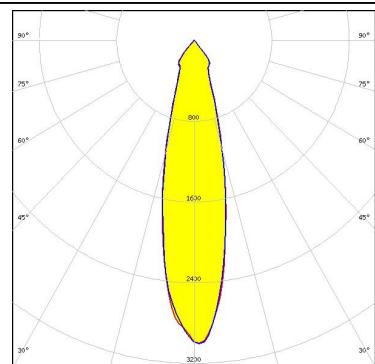


OSRAM

Opto Semiconductors

LED	OSCONIQ P 7070
FWHM	25.0°
Efficiency	91 %
Peak intensity	3 cd/lm
LEDs/each optic	1
Light colour	White

Required components:



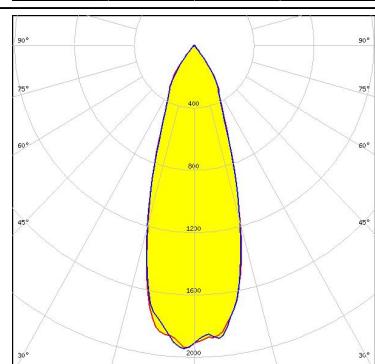
OSRAM

Opto Semiconductors

LED	Soleriq S9
FWHM	34.0°
Efficiency	87 %
Peak intensity	2 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

C13333_MIRELLA-CL



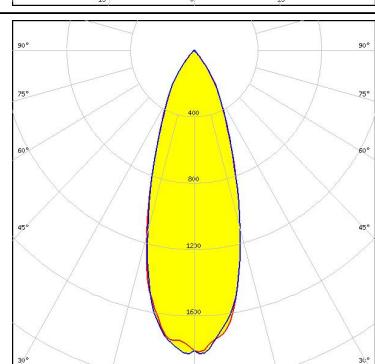
OSRAM

Opto Semiconductors

LED	Soleriq S9
FWHM	35.0°
Efficiency	85 %
Peak intensity	1.9 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

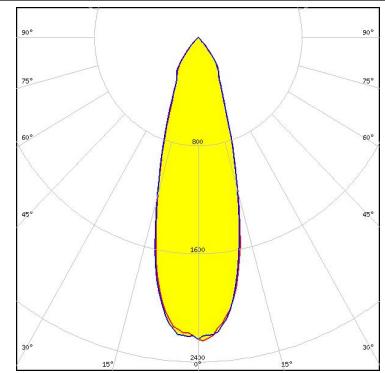
C12479_MIRELLA-DL



PHOTOMETRIC DATA (SIMULATED):

OSRAM
Opto Semiconductors

LED Soleriq S9
FWHM 31.0°
Efficiency 91 %
Peak intensity 2.3 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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