

MIRELLA-50-S

~15° spot beam



TECHNICAL SPECIFICATIONS:

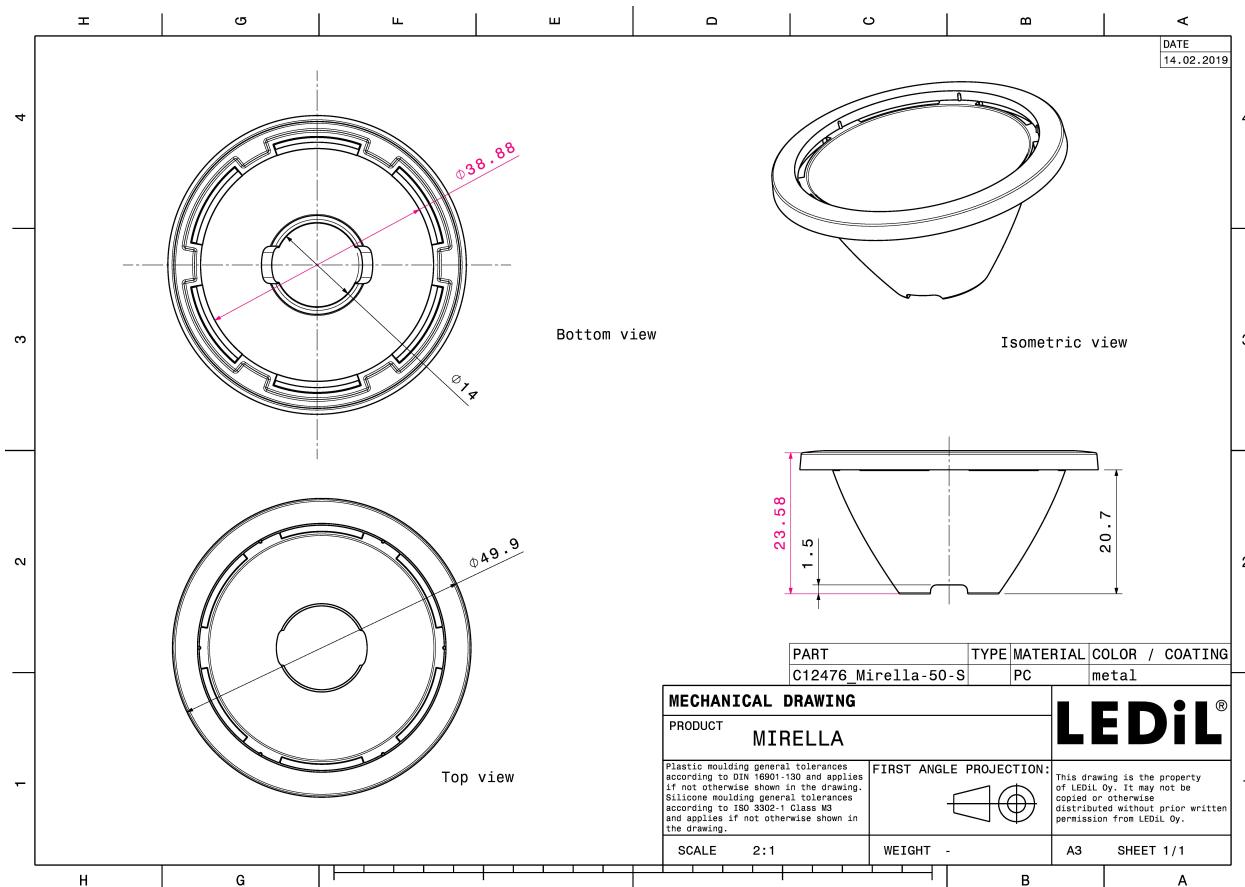
Dimensions	Ø 49.9 mm
Height	24 mm
Fastening	glue
ROHS compliant	yes

MATERIAL SPECIFICATIONS:

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

ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
C12476_MIRELLA-50-S	336	112	28	3.0
» Box size: 480 x 280 x 300 mm				

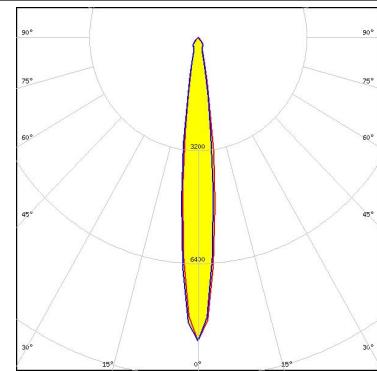


See also our general installation guide: www.ledil.com/installation_guide

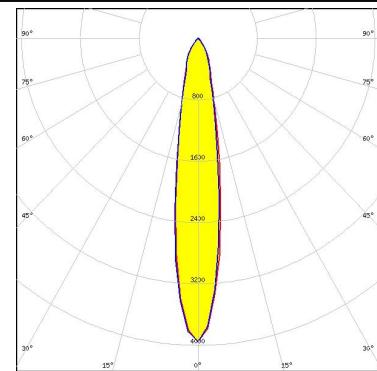
PHOTOMETRIC DATA (MEASURED):



LED BXRA LS
FWHM 13.0°
Efficiency 89 %
Peak intensity 8.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED BXRA LS
FWHM 18.0°
Efficiency 83 %
Peak intensity 4 cd/lm
LEDs/each optic 1
Light colour White
Required components:
 C12479_MIRELLA-DL



LED BXRA LS
FWHM 14.0°
Efficiency 84 %
Peak intensity 6.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:
 C13333_MIRELLA-CL



CITIZEN

LED CLL01x
FWHM 17.0°
Efficiency 84 %
Peak intensity 5.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:
 C13333_MIRELLA-CL



PHOTOMETRIC DATA (MEASURED):

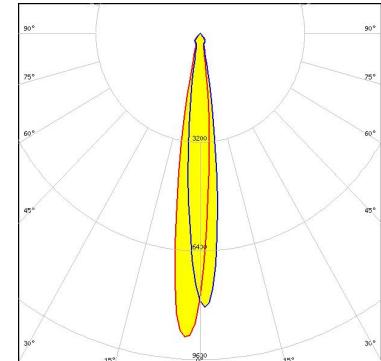
CITIZEN

LED CLL01x
 FWHM 20.0°
 Efficiency %
 LEDs/each optic 1
 Light colour White
 Required components:
 C12479_MIRELLA-DL



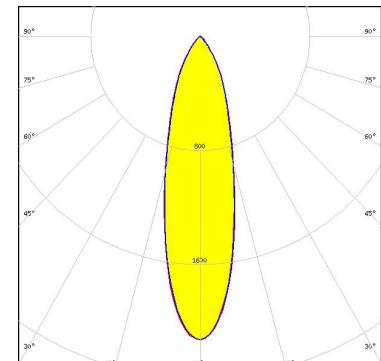
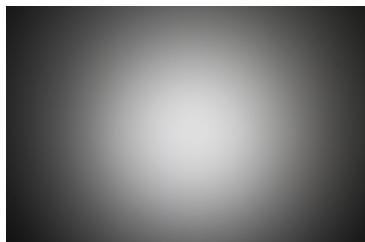
CITIZEN

LED CLL01x
 FWHM 14.0°
 Efficiency %
 LEDs/each optic 1
 Light colour White
 Required components:



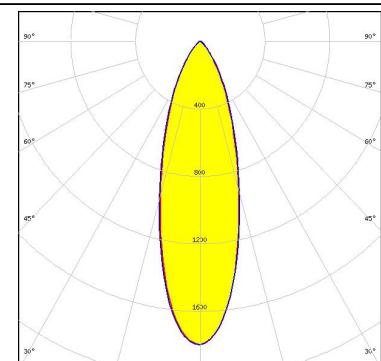
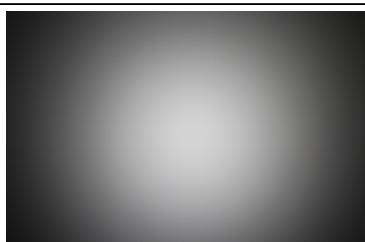
CITIZEN

LED CLL02x/CLU02x (LES10)
 FWHM 28.0°
 Efficiency 82 %
 Peak intensity 2.1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C12479_MIRELLA-DL



CITIZEN

LED CLL02x/CLU02x (LES10)
 FWHM 32.0°
 Efficiency 81 %
 Peak intensity 1.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13723_MIRELLA-RZL



PHOTOMETRIC DATA (MEASURED):

CITIZEN

LED CLL02x/CLU02x (LES10)
 FWHM 20.0°
 Efficiency 93 %
 LEDs/each optic 1
 Light colour White
 Required components:



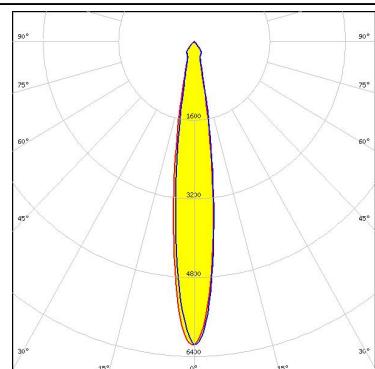
CITIZEN

LED CLL02x/CLU02x (LES10)
 FWHM 19.0°
 Efficiency 84 %
 Peak intensity 3.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13333_MIRELLA-CL



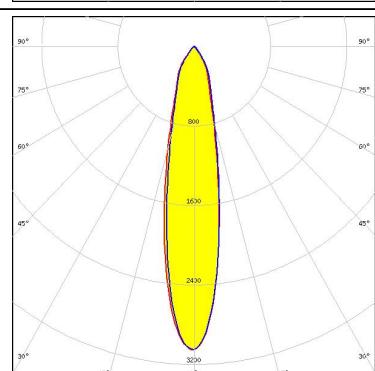
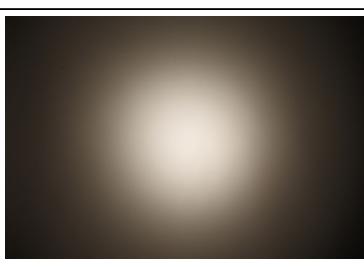
CITIZEN

LED CLU700/701/702
 FWHM 15.0°
 Efficiency 90 %
 Peak intensity 6.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



CITIZEN

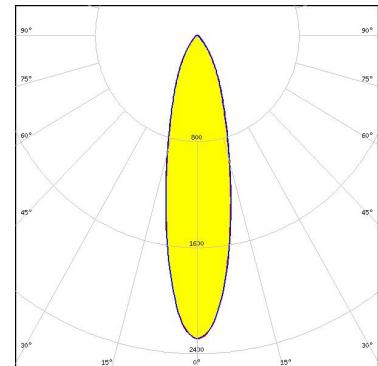
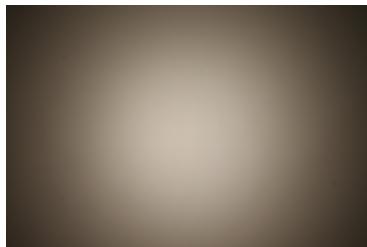
LED CLU700/701/702
 FWHM 21.0°
 Efficiency 84 %
 Peak intensity 3.1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C12479_MIRELLA-DL



PHOTOMETRIC DATA (MEASURED):

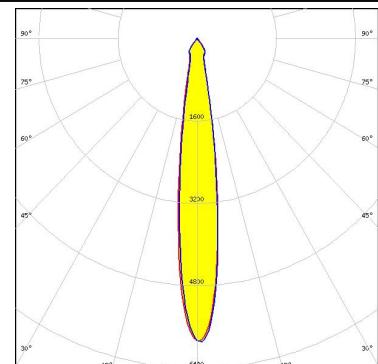
CITIZEN

LED CLU700/701/702
 FWHM 26.0°
 Efficiency 83 %
 Peak intensity 2.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13723_MIRELLA-RZL



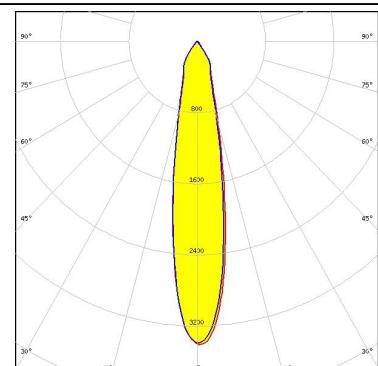
CITIZEN

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



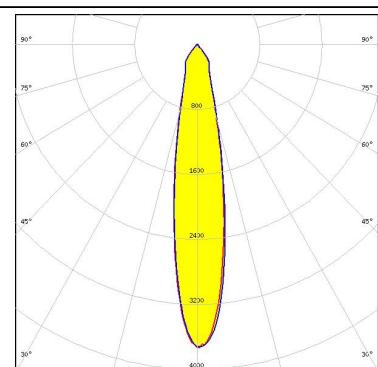
CITIZEN

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



CITIZEN

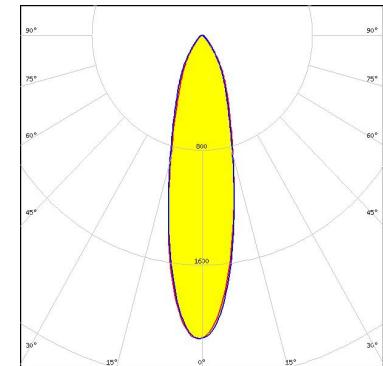
LED CLU710/711
 FWHM 20.0°
 Efficiency 90 %
 Peak intensity 3.7 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



PHOTOMETRIC DATA (MEASURED):

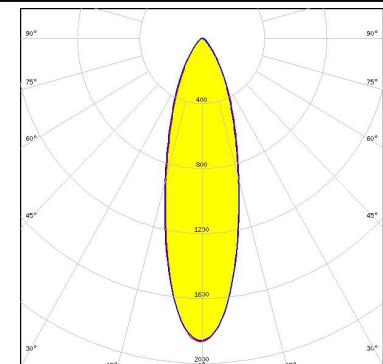
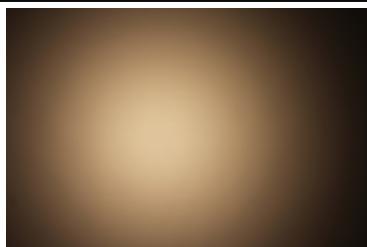
CITIZEN

LED CLU710/711
 FWHM 26.0°
 Efficiency 83 %
 Peak intensity 2.1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C12479_MIRELLA-DL



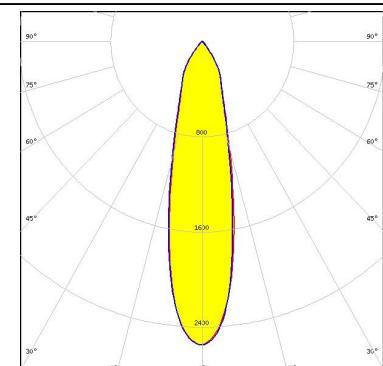
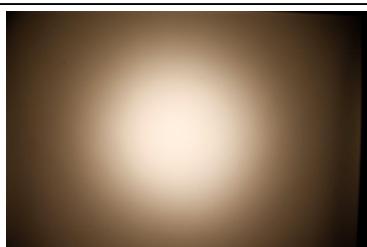
CITIZEN

LED CLU710/711
 FWHM 29.0°
 Efficiency 83 %
 Peak intensity 1.9 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13723_MIRELLA-RZL



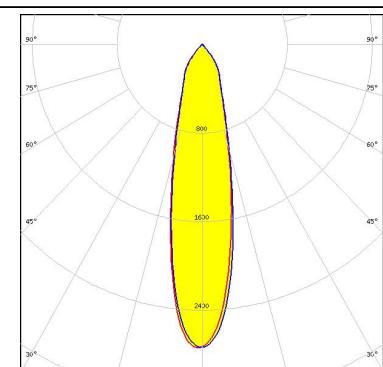
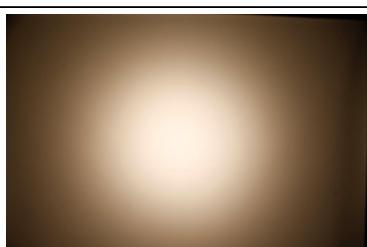
CITIZEN

LED CLU720/721
 FWHM 25.0°
 Efficiency 85 %
 Peak intensity 2.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13333_MIRELLA-CL



CITIZEN

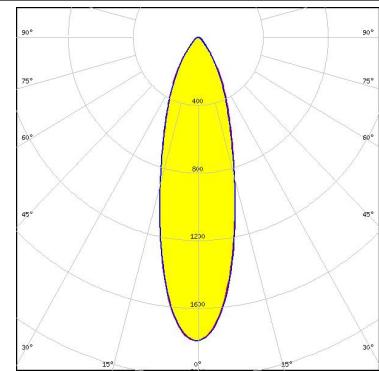
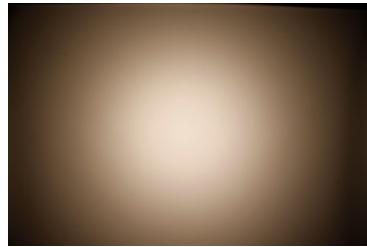
LED CLU720/721
 FWHM 24.0°
 Efficiency 90 %
 Peak intensity 2.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



PHOTOMETRIC DATA (MEASURED):

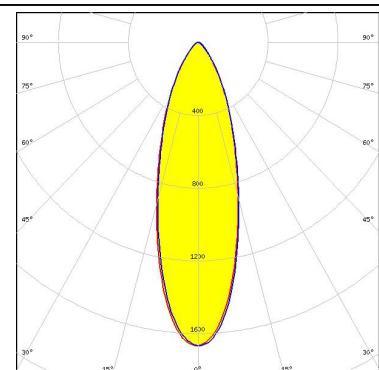
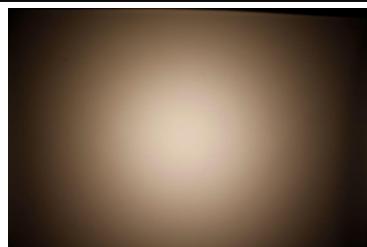
CITIZEN

LED CLU720/721
 FWHM 30.0°
 Efficiency 82 %
 Peak intensity 1.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C12479_MIRELLA-DL



CITIZEN

LED CLU720/721
 FWHM 32.0°
 Efficiency 83 %
 Peak intensity 1.7 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13723_MIRELLA-RZL



CREE

LED CXA/B 13xx
 FWHM 12.0°
 Efficiency 87 %
 Peak intensity 9.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



CREE

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



PHOTOMETRIC DATA (MEASURED):

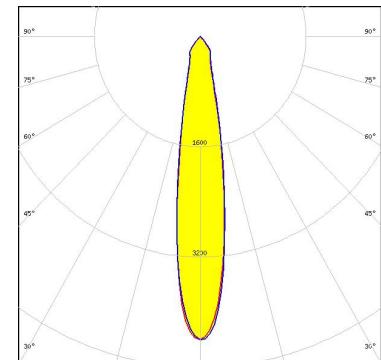
CREE 

LED CXA/B 13xx
 FWHM 12.0°
 Efficiency 82 %
 Peak intensity 8.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13333_MIRELLA-CL



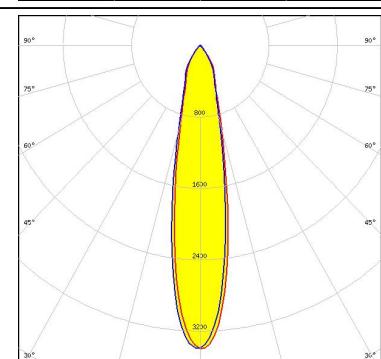
CREE 

LED CXA/B 15xx
 FWHM 16.0°
 Efficiency 93 %
 Peak intensity 5.1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



CREE 

LED CXA/B 15xx
 FWHM 20.0°
 Efficiency 90 %
 Peak intensity 3.1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C12479_MIRELLA-DL



CREE 

LED CXA/B 15xx
 FWHM 19.0°
 Efficiency 84 %
 Peak intensity 4.3 cd/lm
 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 23.0°
 Efficiency 89 %
 Peak intensity 3.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



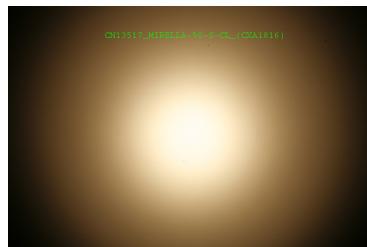
CREE 

LED CXA/B 1816 & CXA/B 1820 & CXA 1850
 FWHM 26.0°
 Efficiency 83 %
 Peak intensity 2.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C12479_MIRELLA-DL



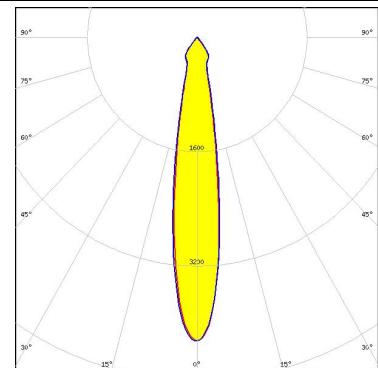
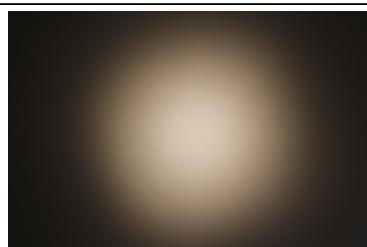
CREE 

LED CXA/B 1816 & CXA/B 1820 & CXA 1850
 FWHM 25.0°
 Efficiency 83 %
 Peak intensity 2.9 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13333_MIRELLA-CL



CREE 

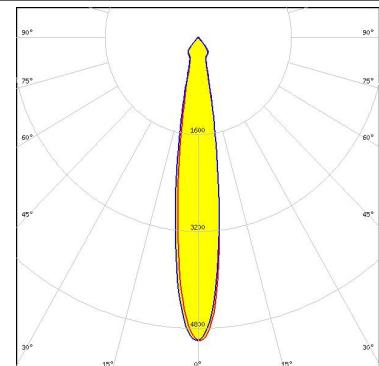
LED MHD-E/G
 FWHM 18.0°
 Efficiency 89 %
 Peak intensity 4.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13333_MIRELLA-CL



PHOTOMETRIC DATA (MEASURED):

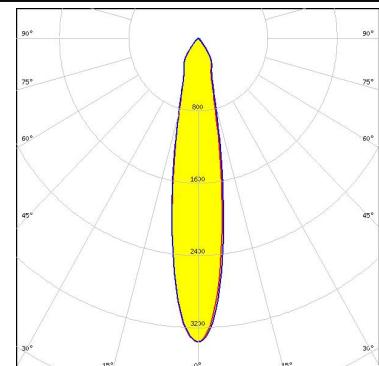
CREE 

LED MHD-E/G
FWHM 16.0°
Efficiency 94 %
Peak intensity 5 cd/lm
LEDs/each optic 1
Light colour White
Required components:



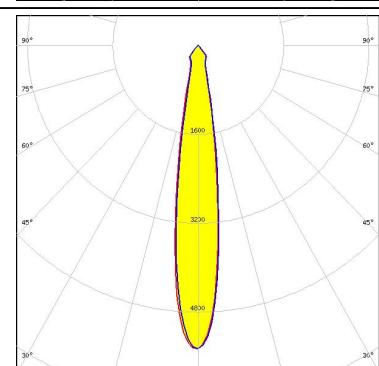
CREE 

LED MHD-E/G
FWHM 20.0°
Efficiency 88 %
Peak intensity 3.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C12479_MIRELLA-DL



CREE 

LED MT-G2
FWHM 17.0°
Efficiency 92 %
Peak intensity 5.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:



CREE 

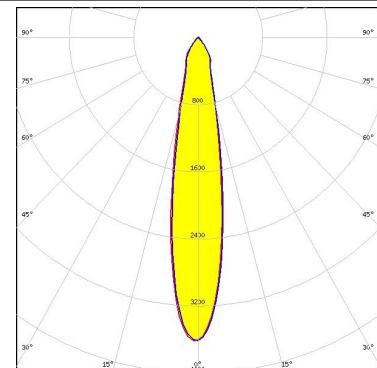
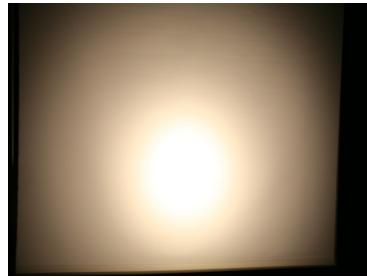
LED MT-G2
FWHM 18.0°
Efficiency 85 %
Peak intensity 4.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13333_MIRELLA-CL



PHOTOMETRIC DATA (MEASURED):

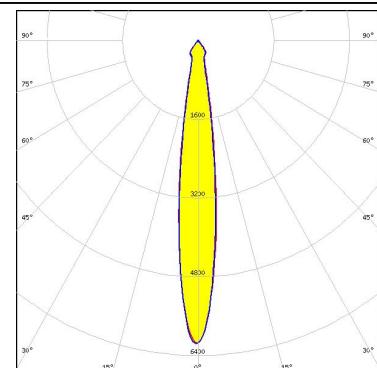
CREE

LED MT-G2
FWHM 20.0°
Efficiency 85 %
Peak intensity 3.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C12479_MIRELLA-DL



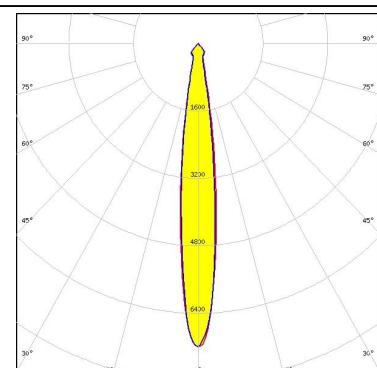
CREE

LED XHP50
FWHM 14.0°
Efficiency 86 %
Peak intensity 6.2 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13333_MIRELLA-CL



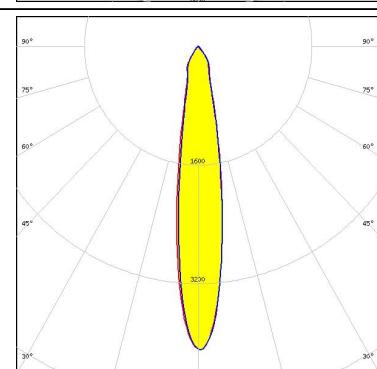
CREE

LED XHP50
FWHM 14.0°
Efficiency 92 %
Peak intensity 7.2 cd/lm
LEDs/each optic 1
Light colour White
Required components:



CREE

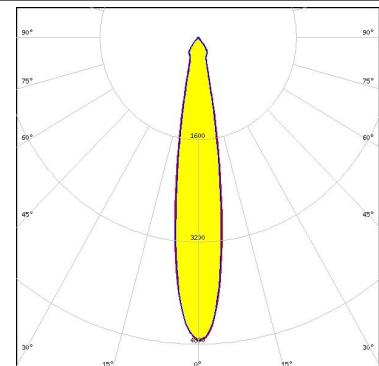
LED XHP50
FWHM 17.0°
Efficiency 85 %
Peak intensity 4.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C12479_MIRELLA-DL



PHOTOMETRIC DATA (MEASURED):

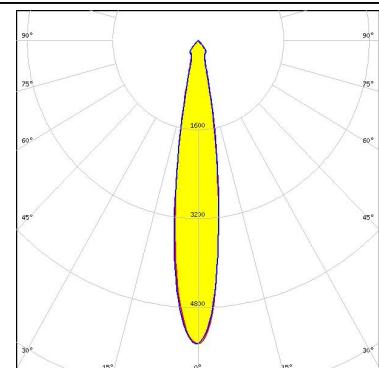
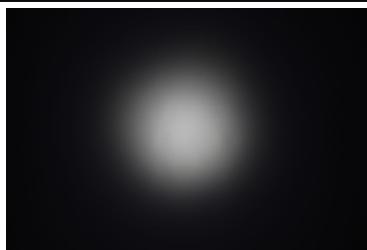
CREE

LED XHP70
FWHM 18.0°
Efficiency 86 %
Peak intensity 4.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13333_MIRELLA-CL



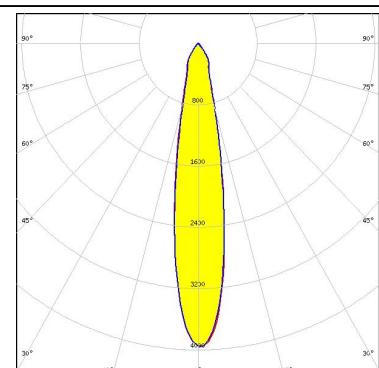
CREE

LED XHP70
FWHM 17.0°
Efficiency 90 %
Peak intensity 5.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:



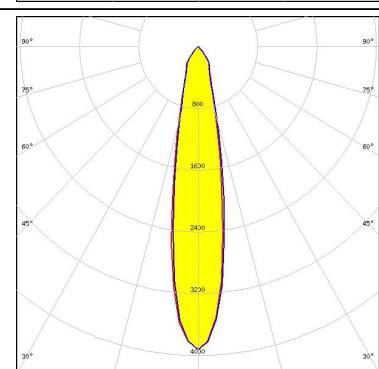
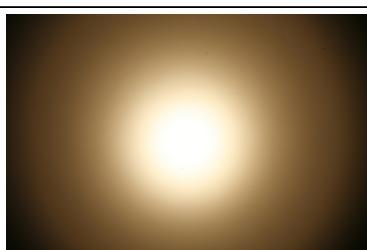
CREE

LED XHP70
FWHM 19.0°
Efficiency 86 %
Peak intensity 4 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C12479_MIRELLA-DL



LUMILEDS

LED LUXEON CoB 1202/1203
FWHM 20.0°
Efficiency 89 %
Peak intensity 3.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:



PHOTOMETRIC DATA (MEASURED):

	LUMILEDS		
LED	LUXEON CoB 1202/1203		
FWHM	23.0°		
Efficiency	85 %		
Peak intensity	3.1 cd/lm		
LEDs/each optic	1		
Light colour	White		
Required components:	C12479_MIRELLA-DL		
	LUMILEDS		
LED	LUXEON S1000		
FWHM	14.0°		
Efficiency	84 %		
Peak intensity	5.5 cd/lm		
LEDs/each optic	1		
Light colour	White		
Required components:	C13333_MIRELLA-CL		
	LUMILEDS		
LED	LUXEON S1000		
FWHM	21.0°		
Efficiency	%		
LEDs/each optic	1		
Light colour	White		
Required components:	C12479_MIRELLA-DL		

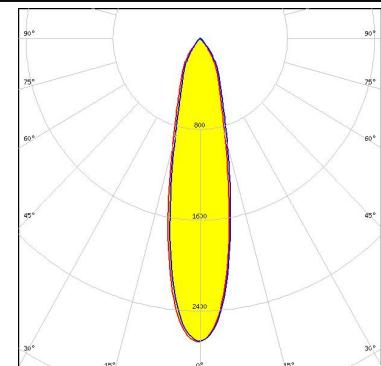
PHOTOMETRIC DATA (MEASURED):



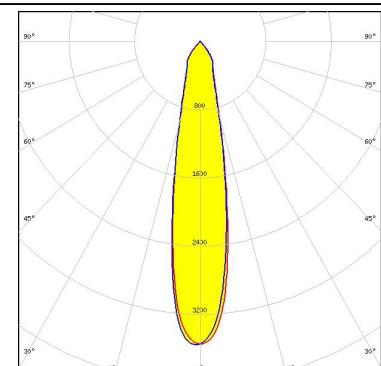
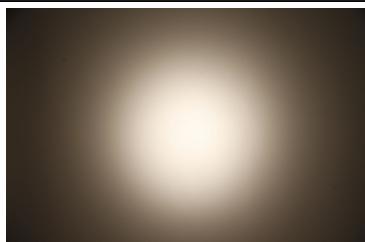
LED LUXEON S1000
FWHM 17.0°
Efficiency %
LEDs/each optic 1
Light colour White
Required components:



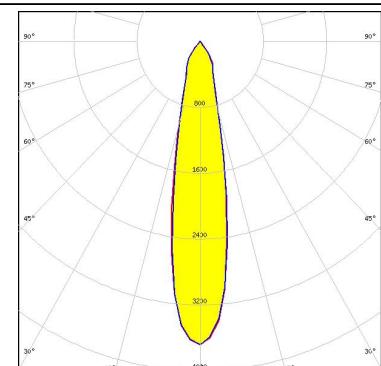
LED CxM-9 (13.5x13.5)
FWHM 24.0°
Efficiency 84 %
Peak intensity 2.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C12479_MIRELLA-DL



LED CxM-9 (13.5x13.5)
FWHM 21.0°
Efficiency 90 %
Peak intensity 3.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:



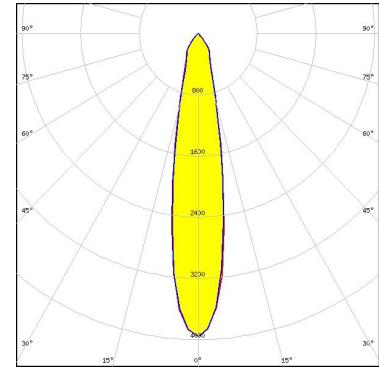
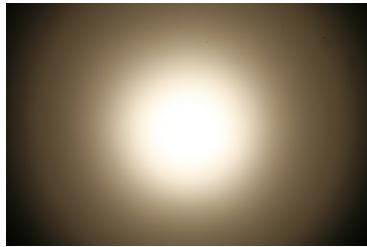
LED COB L-Type (LES 9)
FWHM 22.0°
Efficiency 87 %
Peak intensity 3.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13333_MIRELLA-CL



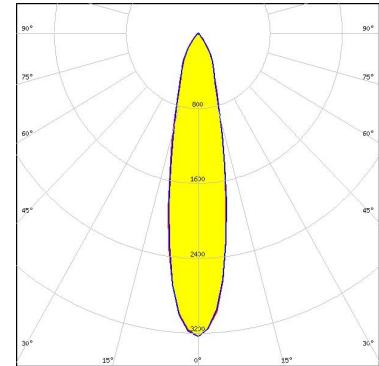
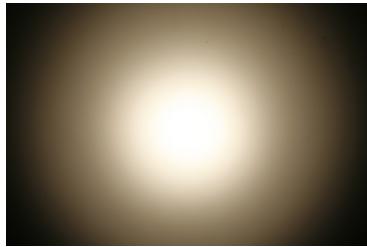
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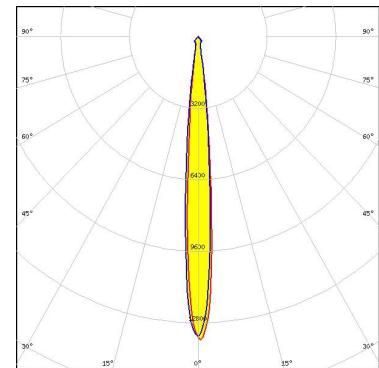
LED COB L-Type (LES 9)
 FWHM 20.0°
 Efficiency 90 %
 Peak intensity 4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



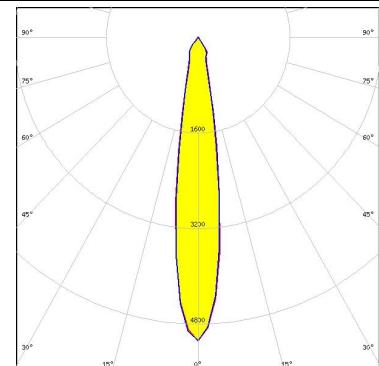
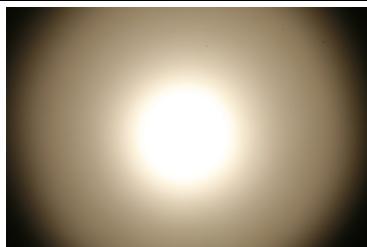
LED COB L-Type (LES 9)
 FWHM 23.0°
 Efficiency 86 %
 Peak intensity 3.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C12479_MIRELLA-DL



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



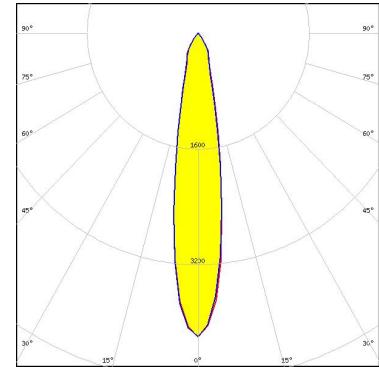
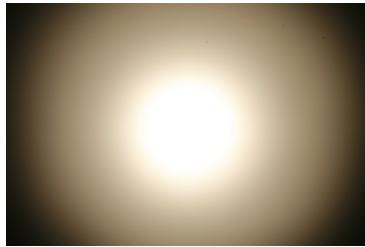
LED NSCxL036A
 FWHM 17.0°
 Efficiency 84 %
 Peak intensity 5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13333_MIRELLA-CL



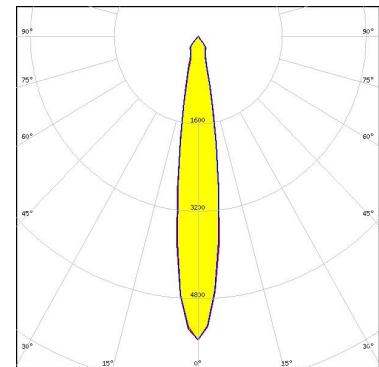
PHOTOMETRIC DATA (MEASURED):



LED NSCxL036A
 FWHM 19.0°
 Efficiency 84 %
 Peak intensity 4.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C12479_MIRELLA-DL



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



Opto Semiconductors
 LED Duris S10
 FWHM 15.0°
 Efficiency 89 %
 Peak intensity 6.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



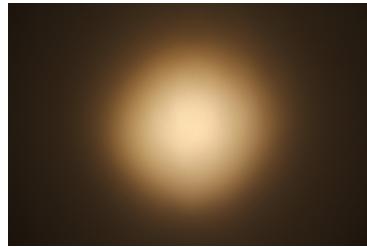
Opto Semiconductors
 LED Duris S10
 FWHM 20.0°
 Efficiency 81 %
 Peak intensity 3.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C12479_MIRELLA-DL



PHOTOMETRIC DATA (MEASURED):

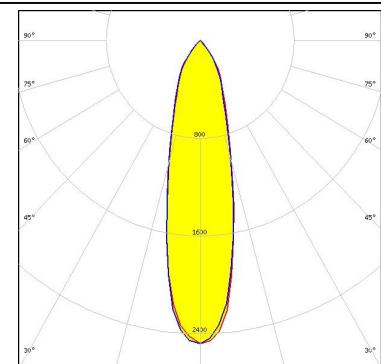
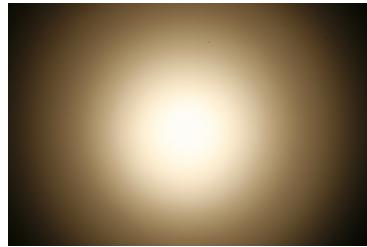
OSRAM
Opto Semiconductors

LED Duris S10
FWHM 15.0°
Efficiency 83 %
Peak intensity 6.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13333_MIRELLA-CL



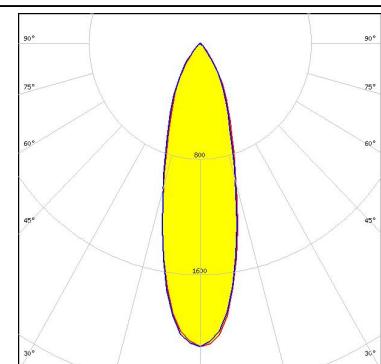
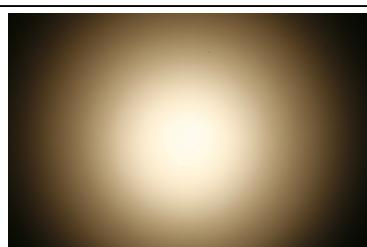
OSRAM
Opto Semiconductors

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



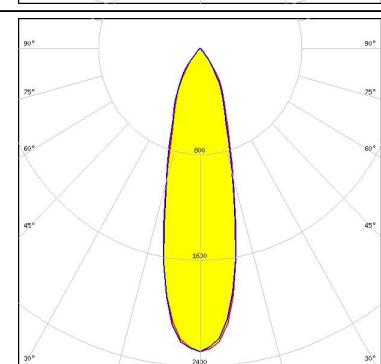
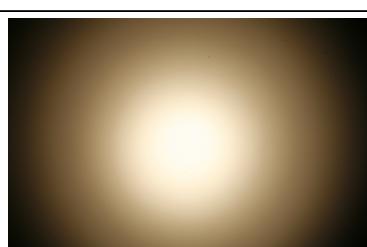
OSRAM
Opto Semiconductors

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

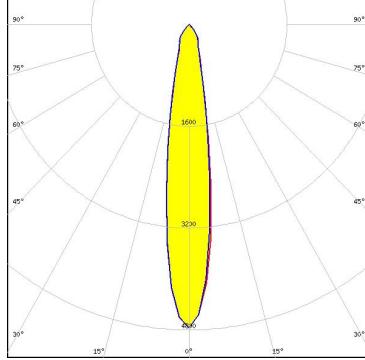
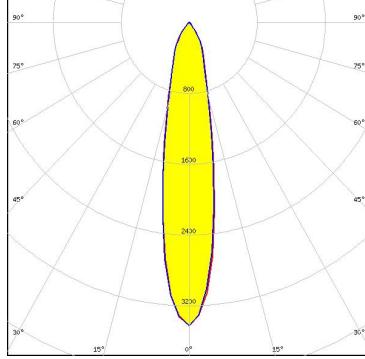
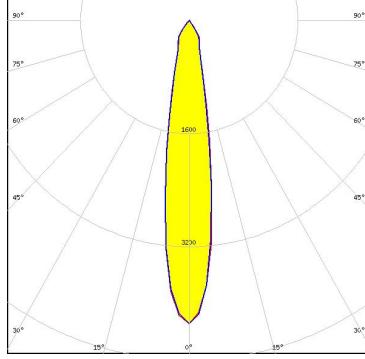
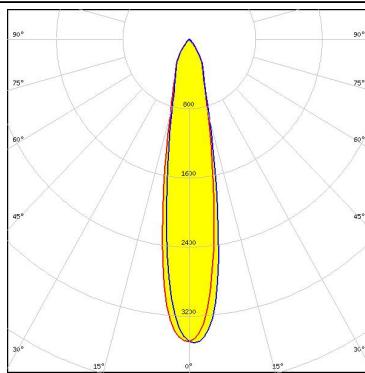


OSRAM
Opto Semiconductors

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



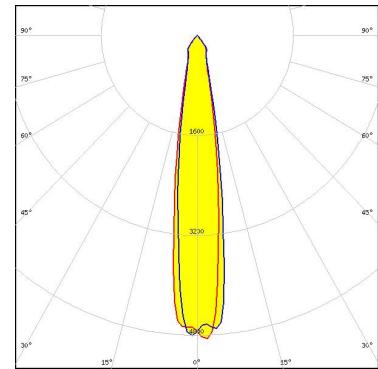
PHOTOMETRIC DATA (MEASURED):

 SEOUL SEMICONDUCTOR	LED ZC4/6 FWHM 18.0° Efficiency 88 % Peak intensity 4.8 cd/lm LEDs/each optic 1 Light colour White Required components:		
 SEOUL SEMICONDUCTOR	LED ZC4/6 FWHM 21.0° Efficiency 83 % Peak intensity 3.4 cd/lm LEDs/each optic 1 Light colour White Required components: C12479_MIRELLA-DL		
 SEOUL SEMICONDUCTOR	LED ZC4/6 FWHM 19.0° Efficiency 82 % Peak intensity 4.3 cd/lm LEDs/each optic 1 Light colour White Required components: C13333_MIRELLA-CL		
 SHARP	LED Mini Zenigata (GW5BM) FWHM 20.0° Efficiency 86 % Peak intensity 3.5 cd/lm LEDs/each optic 1 Light colour White Required components: C12479_MIRELLA-DL		

PHOTOMETRIC DATA (MEASURED):

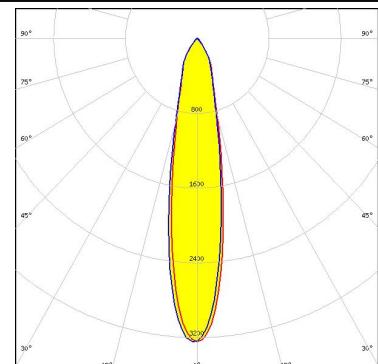
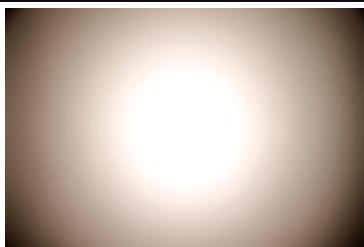
SHARP

LED Mini Zenigata (GW5BM)
 FWHM 17.0°
 Efficiency 92 %
 Peak intensity 4.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



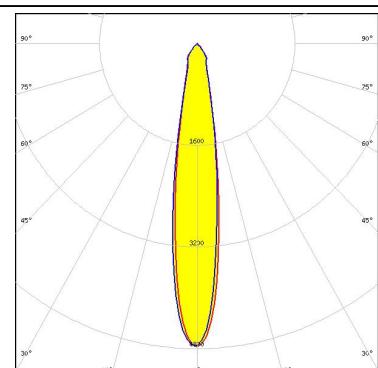
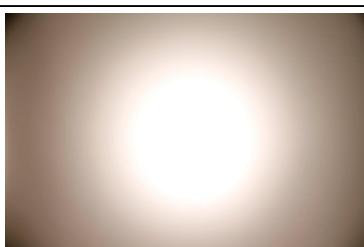
SHARP

LED Mini Zenigata (GW6BM)
 FWHM 20.0°
 Efficiency 84 %
 Peak intensity 3.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C12479_MIRELLA-DL



SHARP

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

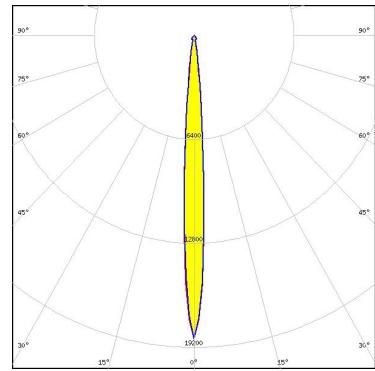


PHOTOMETRIC DATA (SIMULATED):



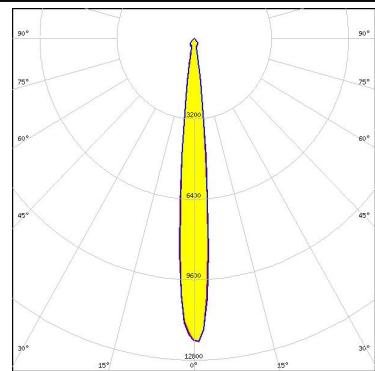
LED	LUXEON V
FWHM	7.7°
Efficiency	89 %
Peak intensity	18.7 cd/lm
LEDs/each optic	1
Light colour	White

Required components:



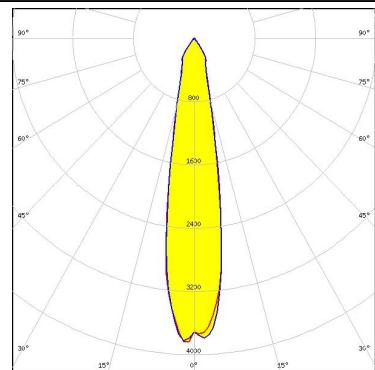
LED	OSCONIQ P 7070
FWHM	11.0°
Efficiency	91 %
Peak intensity	12.2 cd/lm
LEDs/each optic	1
Light colour	White

Required components:



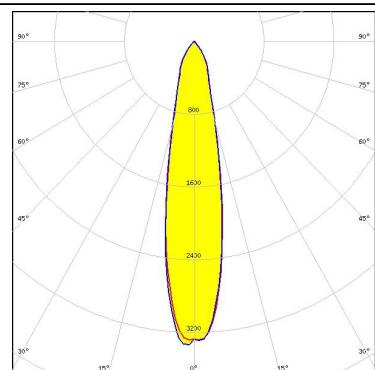
LED	Soleriq S9
FWHM	20.0°
Efficiency	87 %
Peak intensity	3.9 cd/lm
LEDs/each optic	1
Light colour	White

Required components:



LED	Soleriq S9
FWHM	21.0°
Efficiency	86 %
Peak intensity	3.4 cd/lm
LEDs/each optic	1
Light colour	White

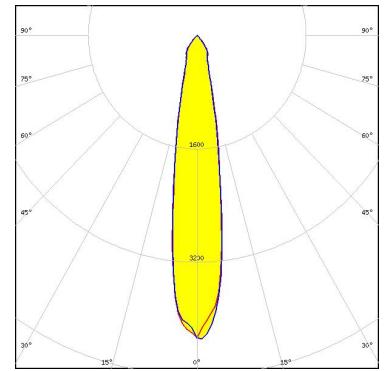
Required components:



PHOTOMETRIC DATA (SIMULATED):

OSRAM
Opto Semiconductors

LED Soleriq S9
FWHM 19.0°
Efficiency 91 %
Peak intensity 4.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:



GENERAL INFORMATION:

NOTE: The typical beam angle will be changed by different color, chip size and chip position tolerance. The typical total beam angle is the full angle measured where the luminous intensity is half of the peak value.

Due to use of high power COB's with this product, special attention to proper thermal design is highly recommended. LEDiL has no liability for direct, indirect or consecutive damages arising from the LEDiL products being used outside of the recommended temperature range.

MATERIALS:

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

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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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