MIRELLA-50-M-PIN

~30° medium beam



SPECIFICATION:

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

MATERIALS:

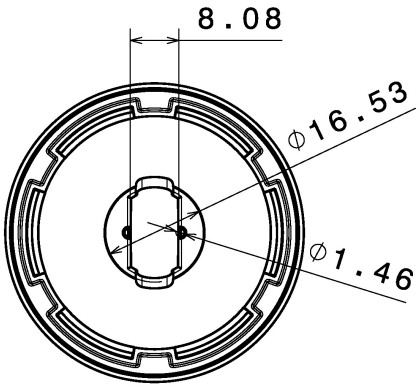
Component	Type	Material	Colour	Finish	Coating
MIRELLA-50-M-PIN	Reflector	PC	metal		lacquer

ORDERING INFORMATION:

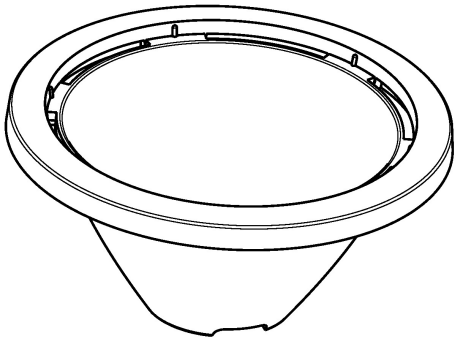
Component	Qty in box	MOQ	MPQ	Box weight (kg)
C12481_MIRELLA-50-M-PIN » Box size: 480 x 280 x 300 mm	336	112	28	3.1

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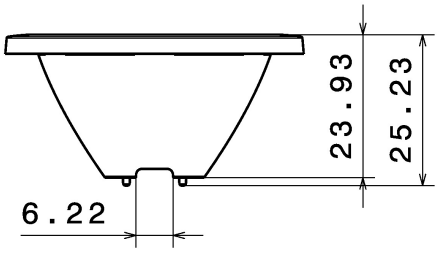
DATE
21.02.2019



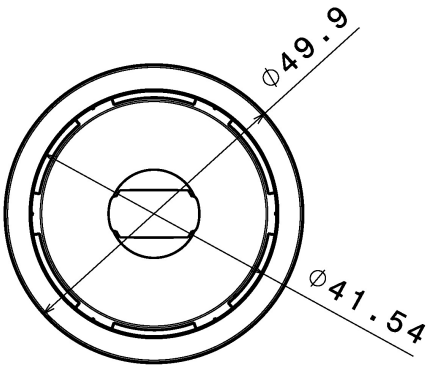
Bottom view



Isometric view
Scale: 3:2



Front view



Top view

PART	TYPE	MATERIAL	COLOR / COATING
C12481_MIRELLA-50-M-PIN		PC	metal

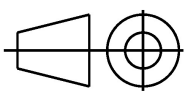
MECHANICAL DRAWING

PRODUCT MIRELLA

LEDiL®

Plastic moulding general tolerances according to DIN 16901-130 and applies if not otherwise shown in the drawing. Silicone moulding general tolerances according to ISO 3302-1 Class M3 and applies if not otherwise shown in the drawing.

FIRST ANGLE PROJECTION:



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SCALE 1:1 | WEIGHT - | A4 SHEET 1/1

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

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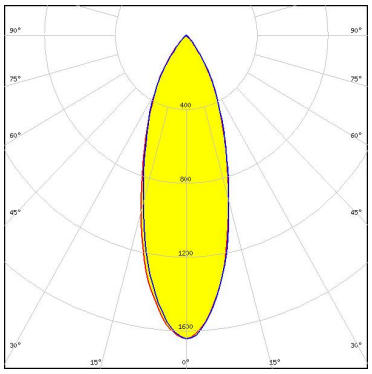
OPTICAL RESULTS (MEASURED):

bridgelux

LED	SM4
FWHM / FWTM	35.0° / 73.0°
Efficiency	78 %
Peak intensity	1.7 cd/lm
LEDs/each optic	1
Light colour/type	White

Required components:
C12479_MIRELLA-DL





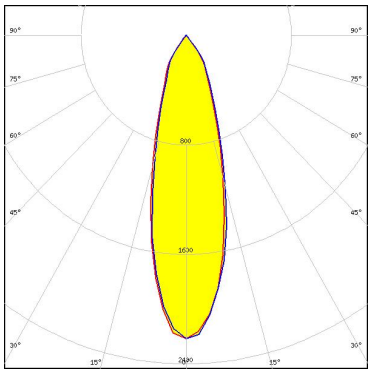
Light distribution files

bridgelux

LED	SM4
FWHM / FWTM	29.0° / 68.0°
Efficiency	80 %
Peak intensity	2.2 cd/lm
LEDs/each optic	1
Light colour/type	White

Required components:
C13333_MIRELLA-CL





Light distribution files

CREE LEDs

LED	MHB-A/B
FWHM / FWTM	34.0° / 78.0°
Efficiency	83 %
Peak intensity	2 cd/lm
LEDs/each optic	1
Light colour/type	White

Required components:
C13333_MIRELLA-CL



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OPTICAL RESULTS (MEASURED):

CREE LEDs

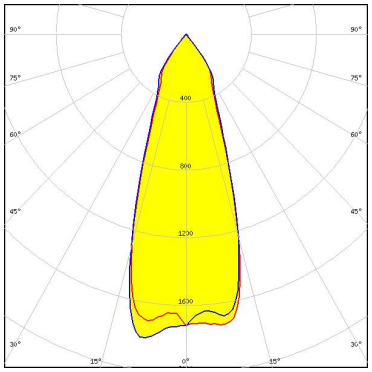
LED	MHB-A/B
FWHM / FWTM	28.0° / 80.0°
Efficiency	88 %
Peak intensity	2.5 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



CREE LEDs

LED	MHB-A/B
FWHM / FWTM	35.0° / 76.0°
Efficiency	83 %
Peak intensity	1.8 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
C12479_MIRELLA-DL	



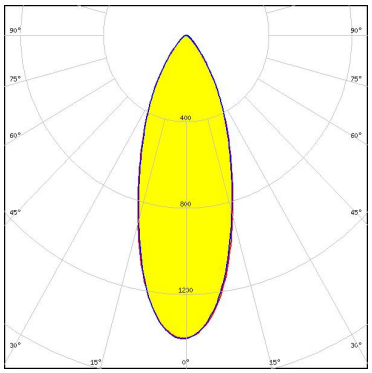


Light distribution files

CREE LEDs

LED	XHP50
FWHM / FWTM	37.0° / 78.0°
Efficiency	83 %
Peak intensity	1.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
C13723_MIRELLA-RZL	





Light distribution files

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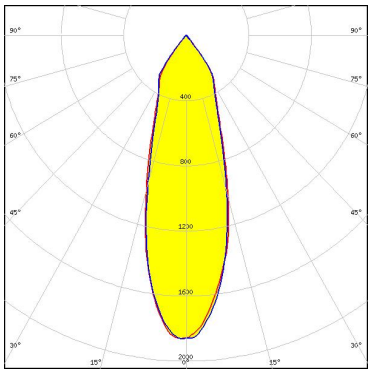
OPTICAL RESULTS (MEASURED):

CREE LEDs

LED	XHP50
FWHM / FWTM	32.0° / 76.0°
Efficiency	85 %
Peak intensity	1.9 cd/lm
LEDs/each optic	1
Light colour/type	White

Required components:
C13333_MIRELLA-CL



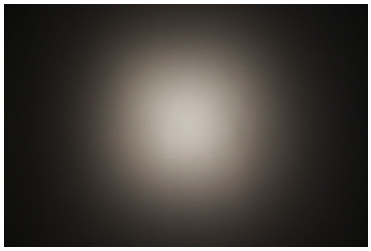


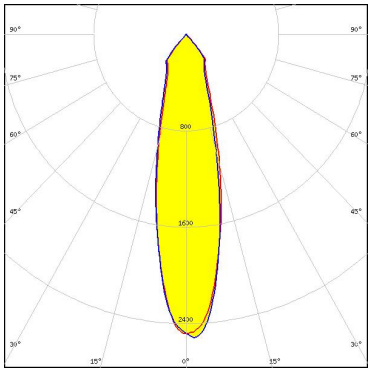
Light distribution files

CREE LEDs

LED	XHP50
FWHM / FWTM	25.0° / 77.0°
Efficiency	90 %
Peak intensity	2.5 cd/lm
LEDs/each optic	1
Light colour/type	White

Required components:





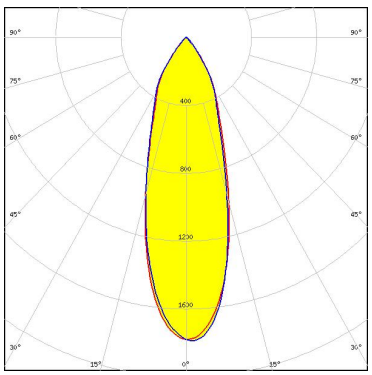
Light distribution files

CREE LEDs

LED	XHP50
FWHM / FWTM	32.0° / 74.0°
Efficiency	86 %
Peak intensity	1.8 cd/lm
LEDs/each optic	1
Light colour/type	White

Required components:
C12479_MIRELLA-DL





Light distribution files

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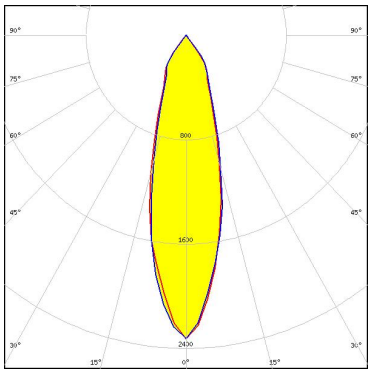
OPTICAL RESULTS (MEASURED):

CREE LEDs

LED	XM-L
FWHM / FWTM	28.0° / 72.0°
Efficiency	84 %
Peak intensity	2.3 cd/lm
LEDs/each optic	1
Light colour/type	White

Required components:
C13333_MIRELLA-CL





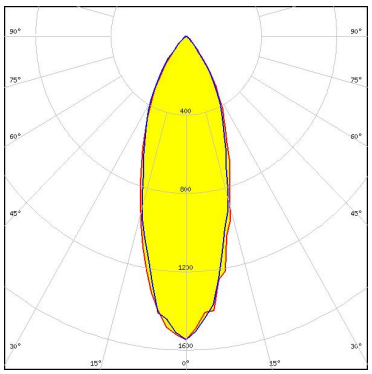
Light distribution files

CREE LEDs

LED	XM-L
FWHM / FWTM	35.0° / 76.0°
Efficiency	80 %
Peak intensity	1.5 cd/lm
LEDs/each optic	1
Light colour/type	White

Required components:
C12479_MIRELLA-DL





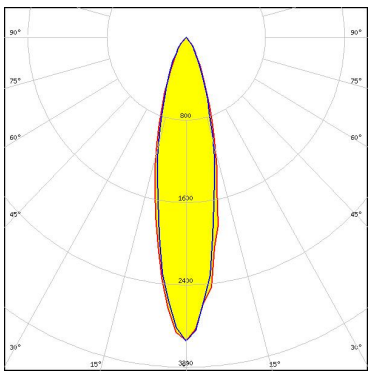
Light distribution files

CREE LEDs

LED	XM-L
FWHM / FWTM	24.0° / 56.0°
Efficiency	89 %
Peak intensity	2.9 cd/lm
LEDs/each optic	1
Light colour/type	White

Required components:





Light distribution files

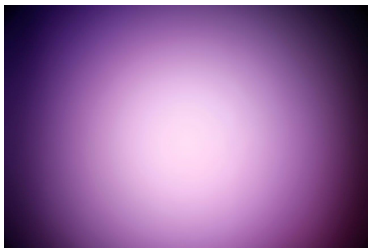
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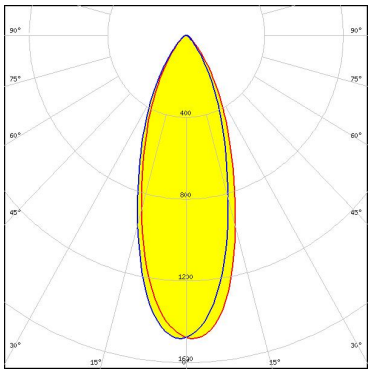
OPTICAL RESULTS (MEASURED):

CREE LEDs

LED	XM-L RGBW (XMLCTW)
FWHM / FWTM	37.0° / 76.0°
Efficiency	83 %
Peak intensity	1.5 cd/lm
LEDs/each optic	1
Light colour/type	White

Required components:
C13723_MIRELLA-RZL





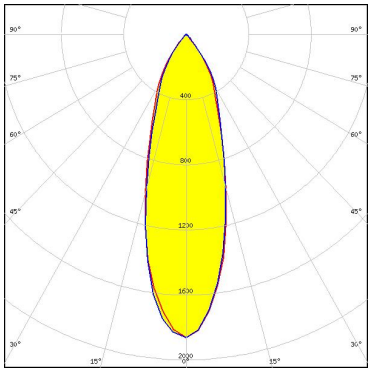
Light distribution files

CREE LEDs

LED	XM-L2
FWHM / FWTM	33.0° / 74.0°
Efficiency	82 %
Peak intensity	1.9 cd/lm
LEDs/each optic	1
Light colour/type	White

Required components:
C12479_MIRELLA-DL



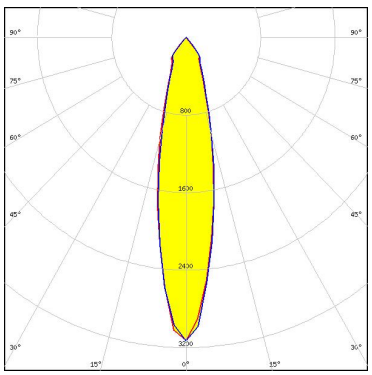


Light distribution files

CREE LEDs

LED	XM-L2
FWHM / FWTM	22.0° / 58.0°
Efficiency	91 %
Peak intensity	3.1 cd/lm
LEDs/each optic	1
Light colour/type	White

Required components:



Light distribution files

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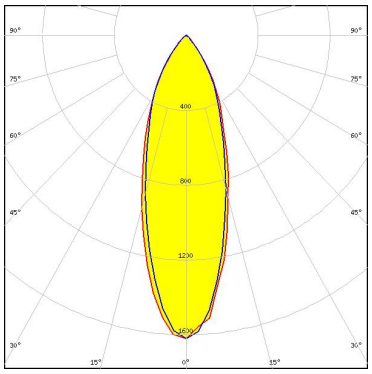
OPTICAL RESULTS (MEASURED):

CREE LEDs

LED	XP-G
FWHM / FWTM	34.0° / 74.0°
Efficiency	81 %
Peak intensity	1.6 cd/lm
LEDs/each optic	1
Light colour/type	White

Required components:
C12479_MIRELLA-DL





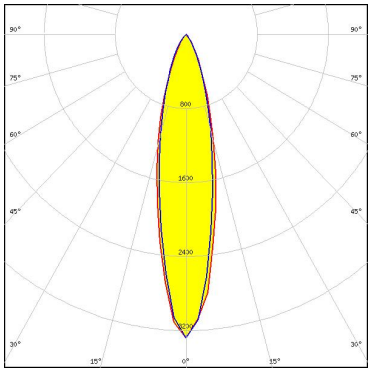
Light distribution files

CREE LEDs

LED	XP-G
FWHM / FWTM	24.0° / 53.0°
Efficiency	86 %
Peak intensity	3.3 cd/lm
LEDs/each optic	1
Light colour/type	White

Required components:



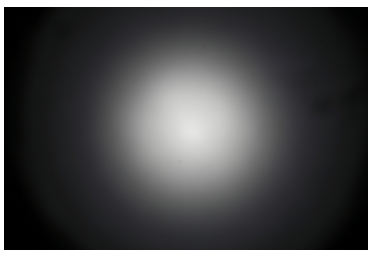


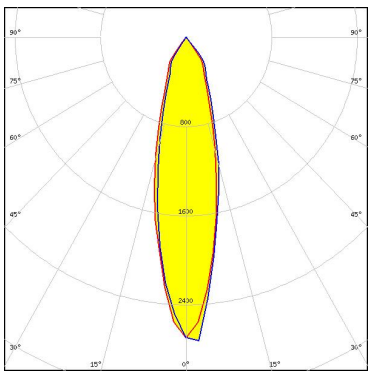
Light distribution files

CREE LEDs

LED	XP-G
FWHM / FWTM	24.0° / 68.0°
Efficiency	83 %
Peak intensity	2.7 cd/lm
LEDs/each optic	1
Light colour/type	White

Required components:
C13333_MIRELLA-CL





Light distribution files

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OPTICAL RESULTS (MEASURED):

CREE LEDs

LED	XP-G2
FWHM / FWTM	30.0° / 74.0°
Efficiency	83 %
Peak intensity	2 cd/lm
LEDs/each optic	1
Light colour/type	White

Required components:
C12479_MIRELLA-DL



Light distribution files

CREE LEDs

LED	XP-G2
FWHM / FWTM	22.0° / 76.0°
Efficiency	88 %
Peak intensity	2.9 cd/lm
LEDs/each optic	1
Light colour/type	White

Required components:



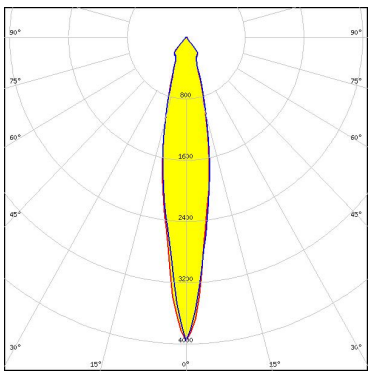
Light distribution files

CREE LEDs

LED	XP-L HI
FWHM / FWTM	17.0° / 48.0°
Efficiency	88 %
Peak intensity	4.5 cd/lm
LEDs/each optic	1
Light colour/type	White

Required components:





Light distribution files

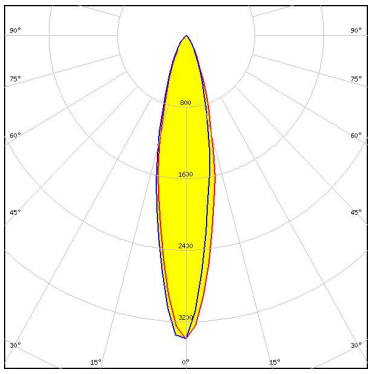
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OPTICAL RESULTS (MEASURED):

CREE LEDs

LED	XT-E
FWHM / FWTM	23.0° / 51.0°
Efficiency	85 %
Peak intensity	3.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



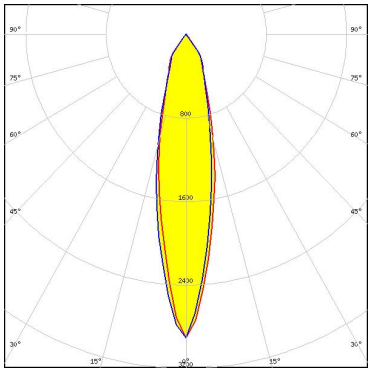


Light distribution files

CREE LEDs

LED	XT-E
FWHM / FWTM	22.0° / 64.0°
Efficiency	81 %
Peak intensity	2.9 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
C13333_MIRELLA-CL	



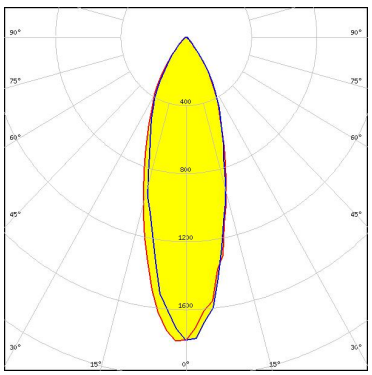


Light distribution files

CREE LEDs

LED	XT-E
FWHM / FWTM	32.0° / 73.0°
Efficiency	78 %
Peak intensity	1.8 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
C12479_MIRELLA-DL	





Light distribution files

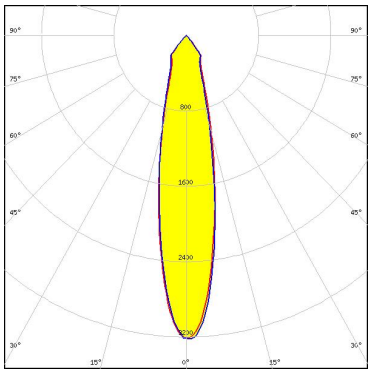
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OPTICAL RESULTS (MEASURED):

LUMILEDS

LED	LUXEON 5050 Round LES
FWHM / FWTM	22.0° / 59.0°
Efficiency	90 %
Peak intensity	3.2 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



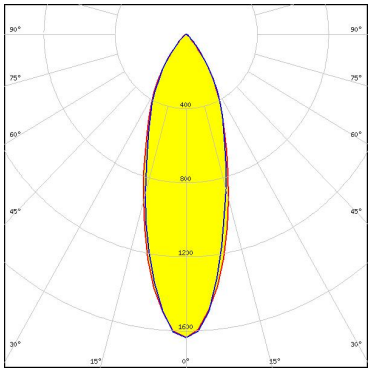


Light distribution files

LUMILEDS

LED	LUXEON A
FWHM / FWTM	34.0° / 75.0°
Efficiency	80 %
Peak intensity	1.6 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
C12479_MIRELLA-DL	



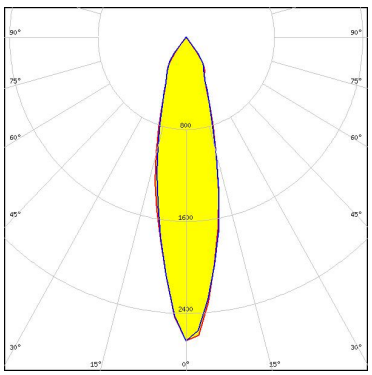


Light distribution files

LUMILEDS

LED	LUXEON A
FWHM / FWTM	24.0° / 69.0°
Efficiency	84 %
Peak intensity	2.6 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
C13333_MIRELLA-CL	





Light distribution files

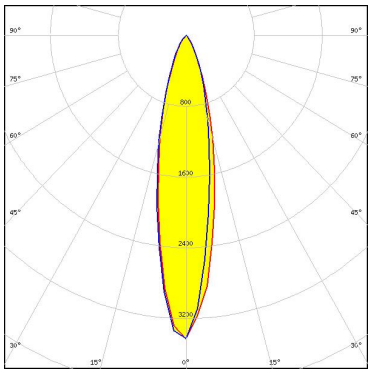
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OPTICAL RESULTS (MEASURED):

LUMILEDS

LED	LUXEON A
FWHM / FWTM	22.0° / 52.0°
Efficiency	87 %
Peak intensity	3.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



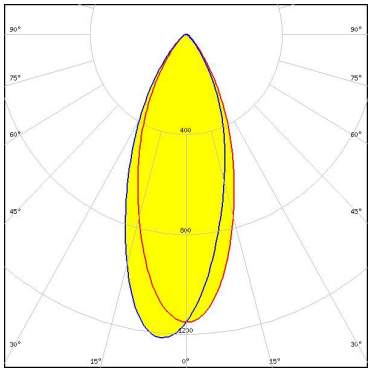


Light distribution files

LUMILEDS

LED	LUXEON C
FWHM / FWTM	39.0° / 79.0°
Efficiency	74 %
Peak intensity	1.2 cd/lm
LEDs/each optic	4
Light colour/type	RGBW
Required components:	
C13723_MIRELLA-RZL	



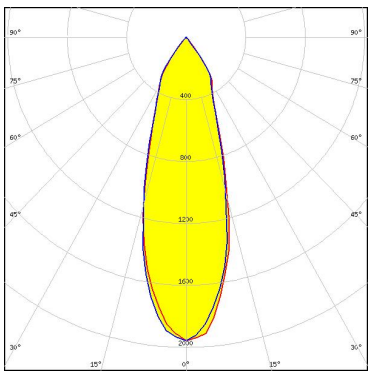


Light distribution files

LUMILEDS

LED	LUXEON M/MX
FWHM / FWTM	33.0° / 74.0°
Efficiency	84 %
Peak intensity	2 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
C13333_MIRELLA-CL	





Light distribution files

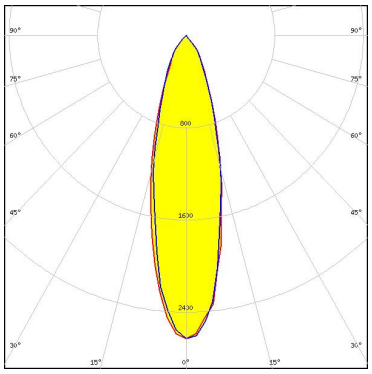
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OPTICAL RESULTS (MEASURED):

LUMILEDS

LED	LUXEON M/MX
FWHM / FWTM	24.0° / 63.0°
Efficiency	87 %
Peak intensity	2.6 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



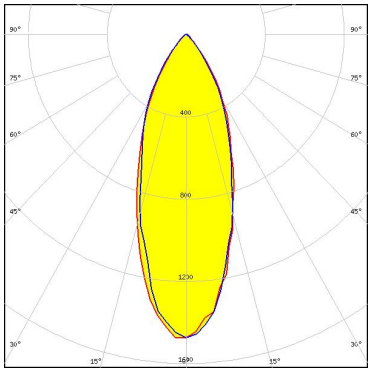


Light distribution files

LUMILEDS

LED	LUXEON M/MX
FWHM / FWTM	38.0° / 78.0°
Efficiency	81 %
Peak intensity	1.5 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
C12479_MIRELLA-DL	



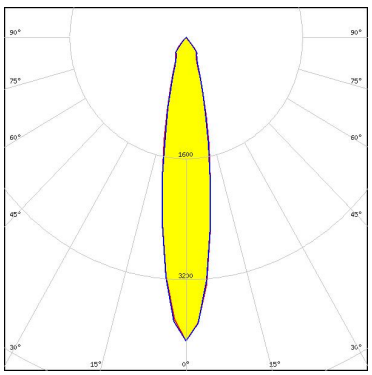


Light distribution files

LUMILEDS

LED	LUXEON MZ
FWHM / FWTM	20.0° / 47.0°
Efficiency	88 %
Peak intensity	4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	





Light distribution files

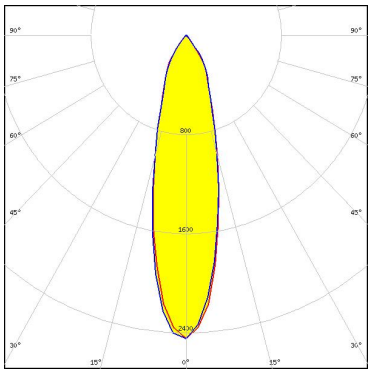
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OPTICAL RESULTS (MEASURED):

LUMILEDS

LED	LUXEON MZ
FWHM / FWTM	27.0° / 69.0°
Efficiency	84 %
Peak intensity	2.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
C12479_MIRELLA-DL	

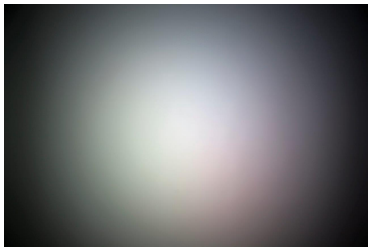


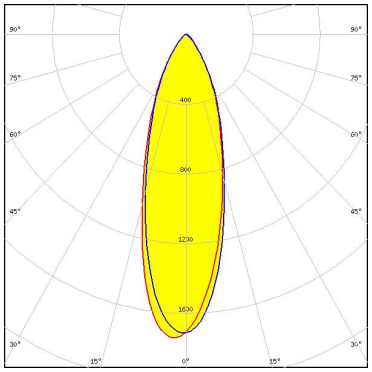


Light distribution files

LUMILEDS

LED	LUXEON Z
FWHM / FWTM	31.0° / 71.0°
Efficiency	83 %
Peak intensity	1.7 cd/lm
LEDs/each optic	4
Light colour/type	RGBW
Required components:	
C13723_MIRELLA-RZL	



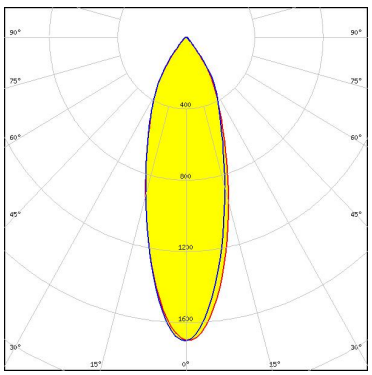


Light distribution files

NICHIA

LED	NS9x383
FWHM / FWTM	32.0° / 74.0°
Efficiency	83 %
Peak intensity	1.7 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
C12479_MIRELLA-DL	





Light distribution files

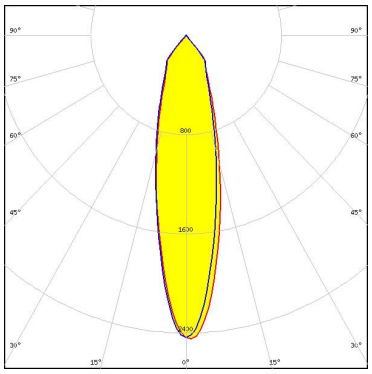
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OPTICAL RESULTS (MEASURED):

NICHIA

LED	NS9x383
FWHM / FWTM	24.0° / 78.0°
Efficiency	88 %
Peak intensity	2.5 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



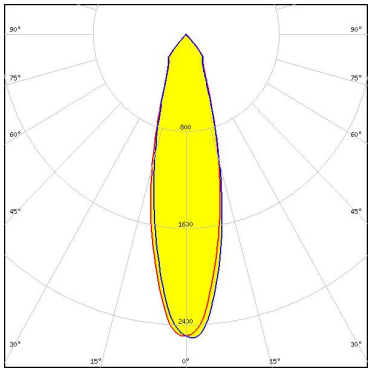


Light distribution files

NICHIA

LED	NV4x144A
FWHM / FWTM	27.0° / 73.0°
Efficiency	89 %
Peak intensity	2.5 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



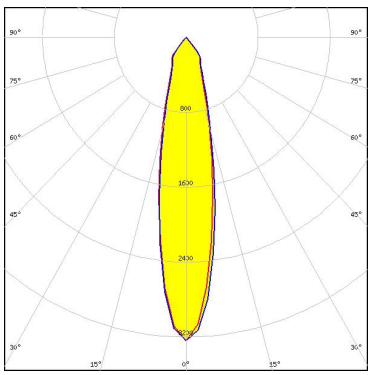


Light distribution files

OSRAM
Opto Semiconductors

LED	Duris S8
FWHM / FWTM	22.0° / 58.0°
Efficiency	88 %
Peak intensity	3.2 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	





Light distribution files

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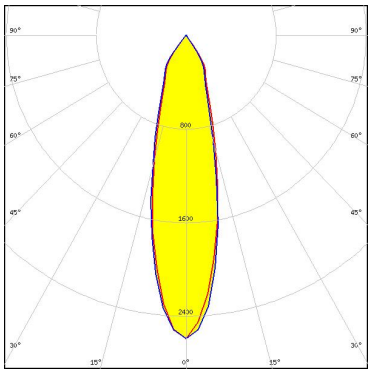
OPTICAL RESULTS (MEASURED):

OSRAM
Opto Semiconductors

LED	Duris S8
FWHM / FWTM	26.0° / 70.0°
Efficiency	84 %
Peak intensity	2.6 cd/lm
LEDs/each optic	1
Light colour/type	White

Required components:
C13333_MIRELLA-CL



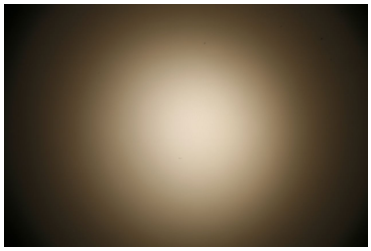


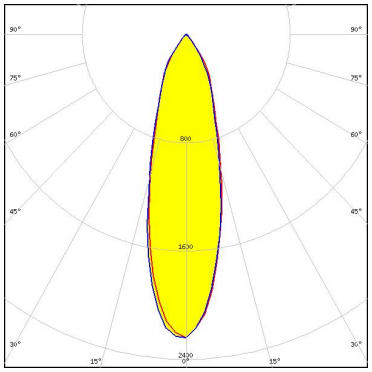
Light distribution files

OSRAM
Opto Semiconductors

LED	Duris S8
FWHM / FWTM	28.0° / 69.0°
Efficiency	84 %
Peak intensity	2.2 cd/lm
LEDs/each optic	1
Light colour/type	White

Required components:
C12479_MIRELLA-DL





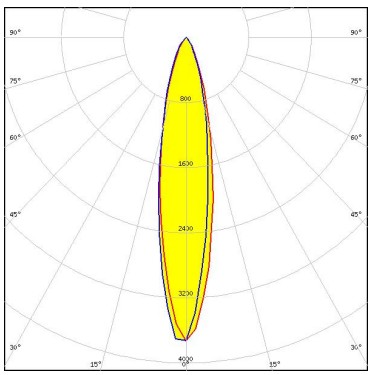
Light distribution files

OSRAM
Opto Semiconductors

LED	OSLON Square EC
FWHM / FWTM	22.0° / 49.0°
Efficiency	84 %
Peak intensity	3.4 cd/lm
LEDs/each optic	1
Light colour/type	White

Required components:





Light distribution files

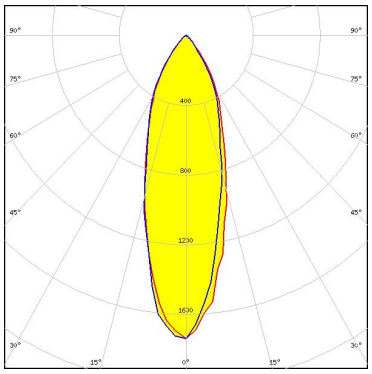
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OPTICAL RESULTS (MEASURED):

OSRAM
Opto Semiconductors

LED	OSLON Square EC
FWHM / FWTM	32.0° / 75.0°
Efficiency	79 %
Peak intensity	1.7 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
C12479_MIRELLA-DL	



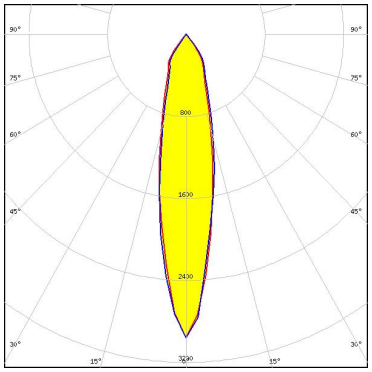


Light distribution files

OSRAM
Opto Semiconductors

LED	OSLON Square EC
FWHM / FWTM	22.0° / 67.0°
Efficiency	83 %
Peak intensity	3 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
C13333_MIRELLA-CL	

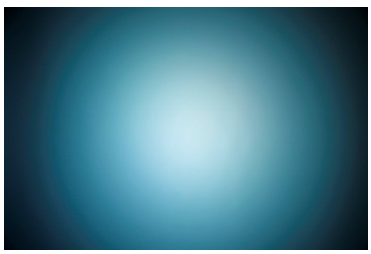


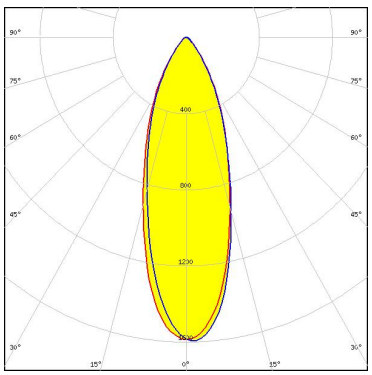


Light distribution files

OSRAM
Opto Semiconductors

LED	Ostar-SMT RGB
FWHM / FWTM	34.0° / 74.0°
Efficiency	83 %
Peak intensity	1.6 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
C13723_MIRELLA-RZL	





Light distribution files

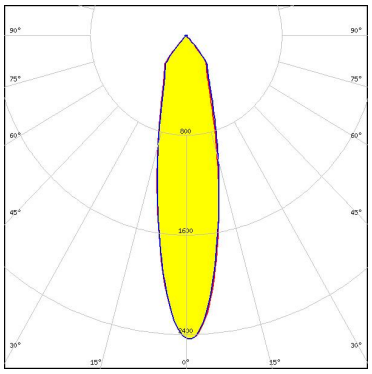
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OPTICAL RESULTS (MEASURED):

SAMSUNG

LED	LH508A
FWHM / FWTM	24.0° / 78.0°
Efficiency	88 %
Peak intensity	2.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	





Light distribution files

SEOUL SEMICONDUCTOR

LED	F50360 (RGB)
FWHM / FWTM	33.0° / 76.0°
Efficiency	82 %
Peak intensity	1.8 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
C13723_MIRELLA-RZL	



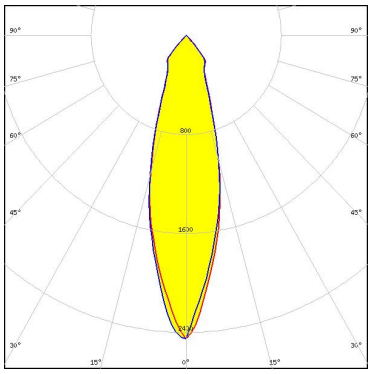
Light distribution files

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OPTICAL RESULTS (SIMULATED):

CREE LEDs

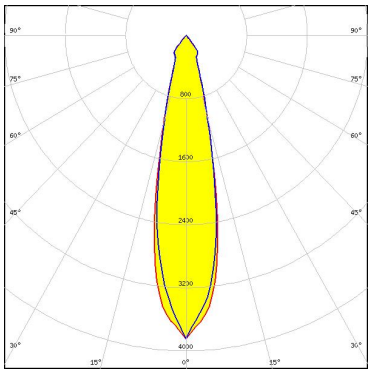
LED	XHP35 HD
FWHM / FWTM	28.0° / 77.0°
Efficiency	92 %
Peak intensity	2.5 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

LUMILEDS

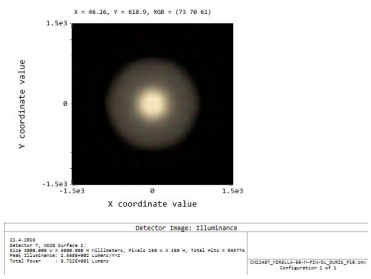
LED	LUXEON 5258
FWHM / FWTM	23.0° / 45.0°
Efficiency	91 %
Peak intensity	3.8 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

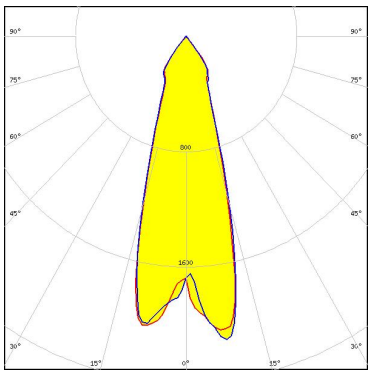


Light distribution files

OSRAM
Opto Semiconductors

LED	OSCONIQ P 7070
FWHM / FWTM	31.0° / 72.0°
Efficiency	88 %
Peak intensity	2.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
C12479_MIRELLA-DL	





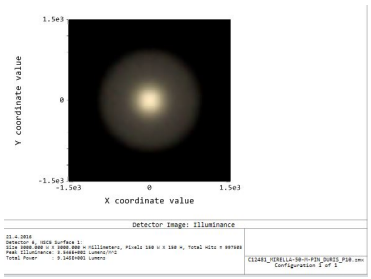
Light distribution files

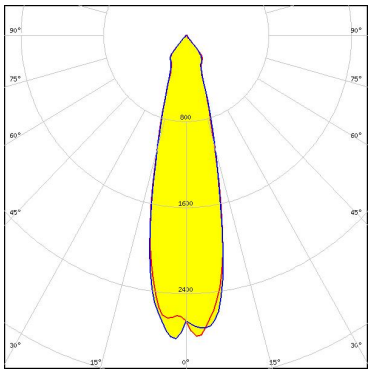
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OPTICAL RESULTS (SIMULATED):

OSRAM
Opto Semiconductors

LED	OSCONIQ P 7070
FWHM / FWTM	26.0° / 63.0°
Efficiency	91 %
Peak intensity	2.9 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

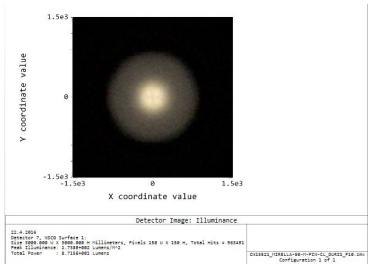


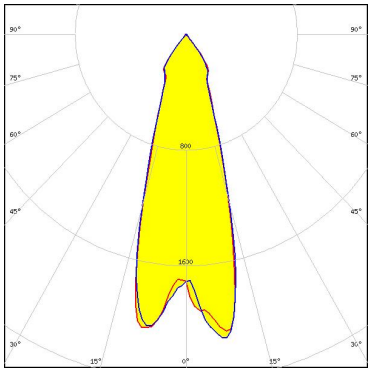


Light distribution files

OSRAM
Opto Semiconductors

LED	OSCONIQ P 7070
FWHM / FWTM	29.0° / 70.0°
Efficiency	87 %
Peak intensity	2.3 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
C13333_MIRELLA-CL	

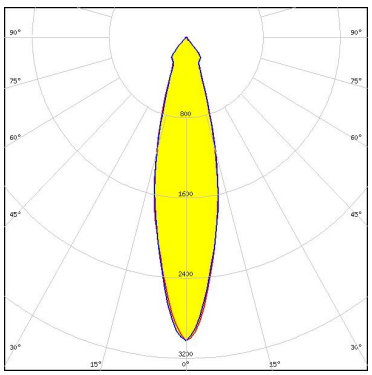




Light distribution files

SAMSUNG

LED	LH351D
FWHM / FWTM	26.0° / 54.0°
Efficiency	90 %
Peak intensity	3 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



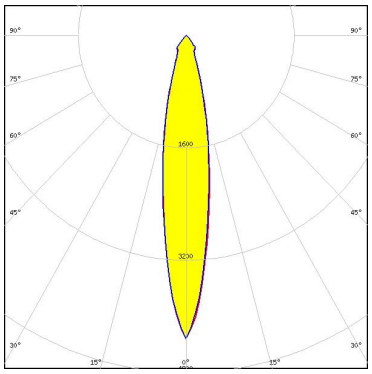
Light distribution files

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OPTICAL RESULTS (SIMULATED):

SEOUL SEMICONDUCTOR

LED	Z8Y22P
FWHM / FWTM	19.0° / 44.0°
Efficiency	89 %
Peak intensity	4.3 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

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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.

MATERIALS:

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