GABRIELLA-MIDI-M

~25° spot beam with holder and installation tape

SPECIFICATION:

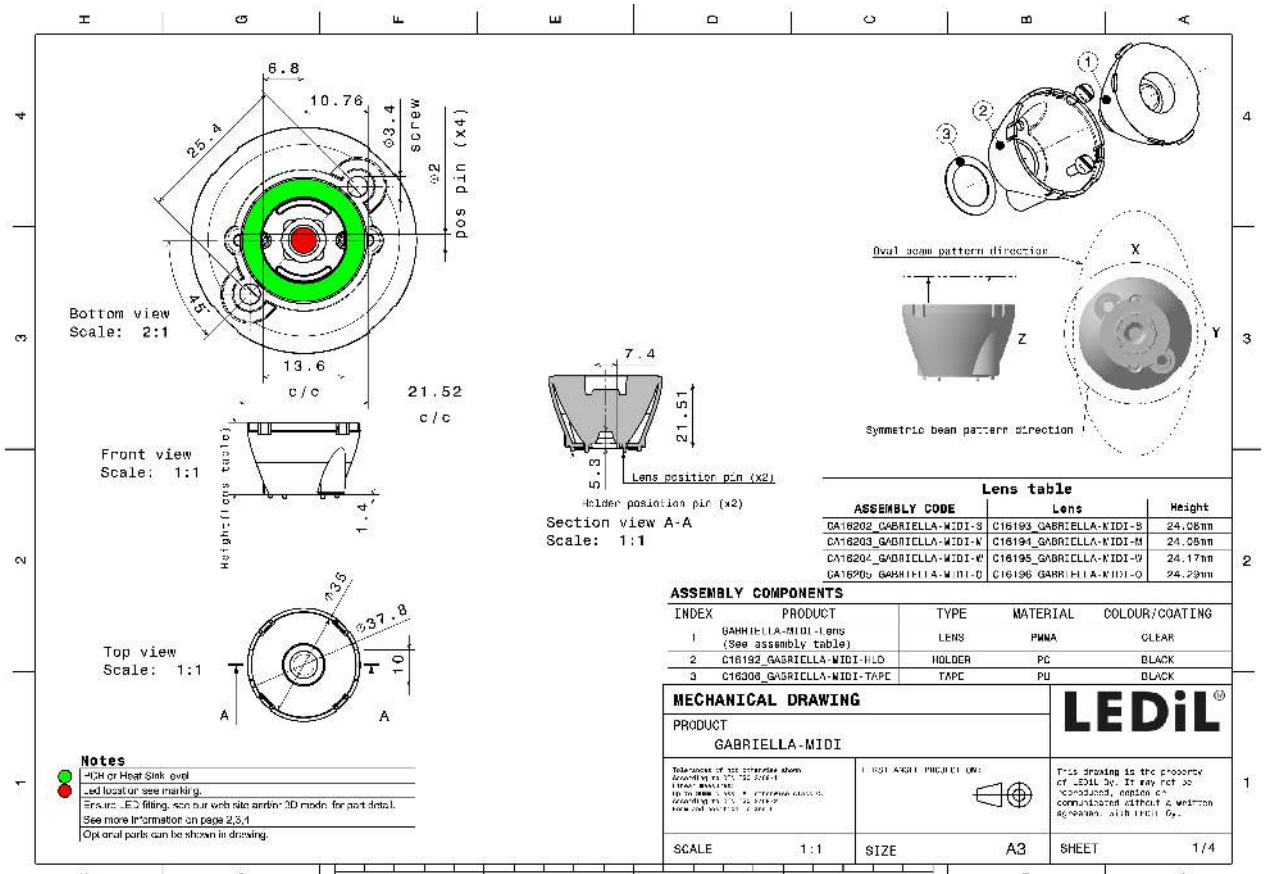
Dimensions	Ø 37.8 mm
Height	24.1 mm
Fastening	tape, pin
ROHS compliant	yes

MATERIALS:

Component	Type	Material	Colour	Finish
GABRIELLA-MIDI-M	Single lens	PMMA	clear	
GABRIELLA-MIDI-HLD	Assembly	PC	black	

ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
CA16203_GABRIELLA-MIDI-M » Box size: 476 x 273 x 292 mm	Single lens	500	100	50	11.5



Lens table

ASSEMBLY CODE	Lens	Height
CA16202_GABRIELLA-MIDI-S	C16193_GABRIELLA-MIDI-S	24.06mm
CA16203_GABRIELLA-MIDI-M	C16194_GABRIELLA-MIDI-M	24.06mm
CA16204_GABRIELLA-MIDI-W	C16195_GABRIELLA-MIDI-W	24.17mm
CA16205_GABRIELLA-MIDI-O	C16196_GABRIELLA-MIDI-O	24.28mm

ASSEMBLY COMPONENTS

INDEX	PRODUCT	TYPE	MATERIAL	COLOUR/COATING
1	GABRIELLA-MIDI-Lens (See assembly table)	LENS	PMMA	CLEAR
2	C16192_GABRIELLA-MIDI-HLD	HOLDER	PC	BLACK
3	C16308_GABRIELLA-MIDI-TAPE	TAPE	PU	BLACK

MECHANICAL DRAWING

PRODUCT
GABRIELLA-MIDI

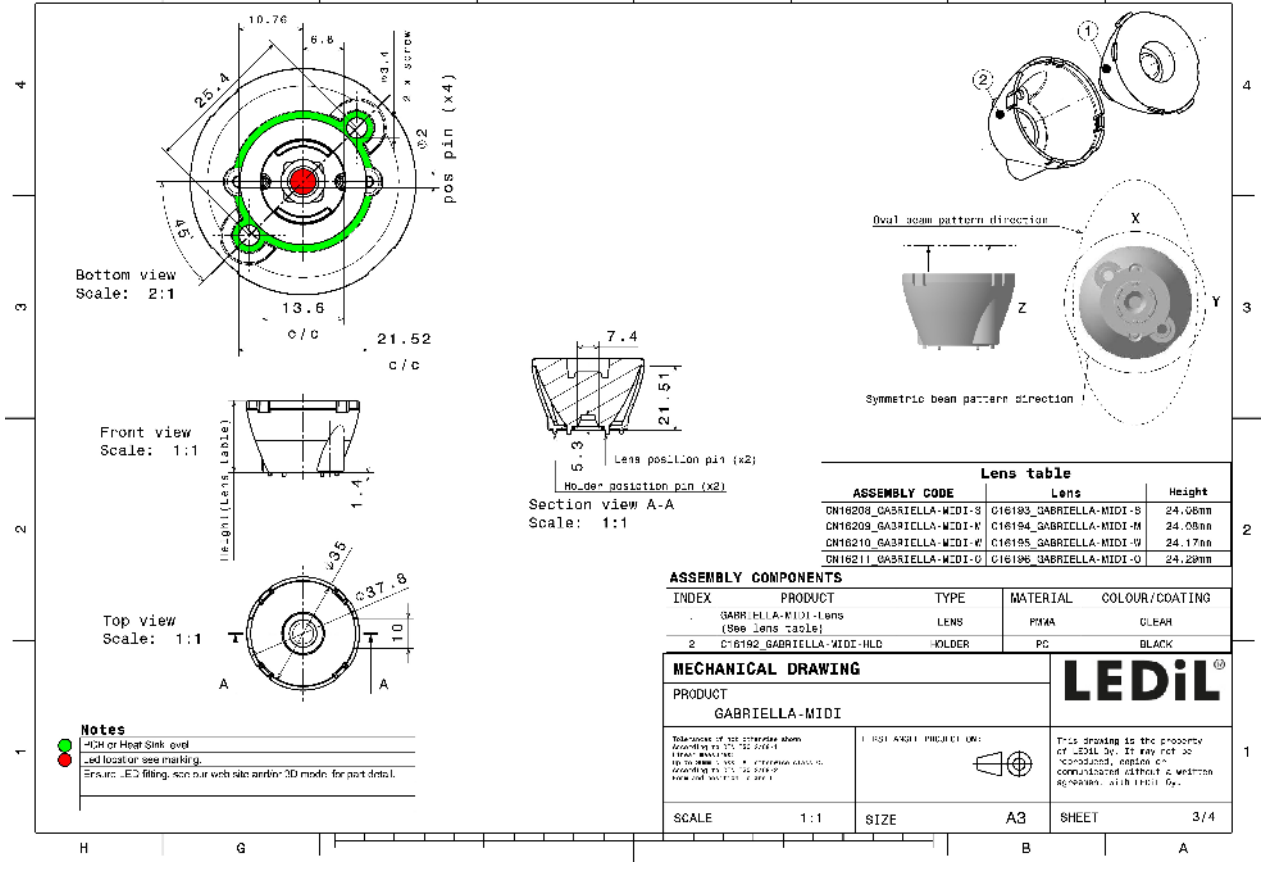
LEDiL

FIRST ANGLE PROJECTION

SCALE 1:1 | SIZE A3 | SHEET 1/4

Notes

- HDH or Heat Sink eyel
- Led locator see marking.
- Ensure LED filling, see our web site and/or 3D model for part detail.
- See more information on page 2,3,4
- Optional parts can be shown in drawing.



Lens table

ASSEMBLY CODE	Lens	Height
CA16208_GABRIELLA-MIDI-S	C16193_GABRIELLA-MIDI-S	24.06mm
CA16209_GABRIELLA-MIDI-M	C16194_GABRIELLA-MIDI-M	24.06mm
CA16210_GABRIELLA-MIDI-W	C16195_GABRIELLA-MIDI-W	24.17mm
CA16211_GABRIELLA-MIDI-O	C16196_GABRIELLA-MIDI-O	24.28mm

ASSEMBLY COMPONENTS

INDEX	PRODUCT	TYPE	MATERIAL	COLOUR/COATING
-	GABRIELLA-MIDI-Lens (See lens table)	LENS	PMMA	CLEAR
2	C16192_GABRIELLA-MIDI-HLD	HOLDER	PC	BLACK

MECHANICAL DRAWING

PRODUCT
GABRIELLA-MIDI

LEDiL

FIRST ANGLE PROJECTION

SCALE 1:1 | SIZE A3 | SHEET 3/4

Notes

- HDH or Heat Sink eyel
- Led locator see marking.
- Ensure LED filling, see our web site and/or 3D model for part detail.

Lens table

Lens	Height
C-6193_GABRIELLA-MIDI-S	24.08mm
C-6194_GABRIELLA-MIDI-W	24.08mm
C-6195_GABRIELLA-MIDI-A	24.17mm
C-6196_GABRIELLA-MIDI-O	24.29mm

COMPONENTS

INDEX	PRODUCT	TYPE	MATERIAL	COLOUR/COATING
1	GABRIELLA-MIDI-Lens (See assembly table)	LENS	PMMA	CLEAR

Notes

- HGH or Heat Sink oval
- Led location see marking.
- Ensure LED filling, see our web site online 3D model for part detail.

MECHANICAL DRAWING

PRODUCT
GABRIELLA-MIDI

FIRST ANGLE PROJECTION

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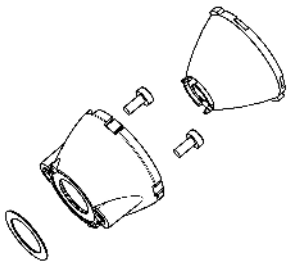
SCALE 1:1 | SIZE A3 | SHEET 2/4



1. Place holder on PCB using the holder location pins as guide elements. Holder is fixed either by with on-board PU-tape or M3 screw with max 0.6Nm torgue.

2. Place lens support features into relative holes in the holder, please note that the location pins on the lens goes through the PCB.

3.Press optic until 4 clips each locked.

MECHANICAL DRAWING

PRODUCT
GABRIELLA-MIDI

FIRST ANGLE PROJECTION

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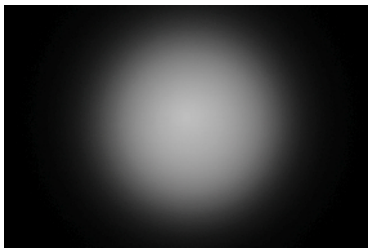
SCALE 1:1 | SIZE A3 | SHEET 4/4

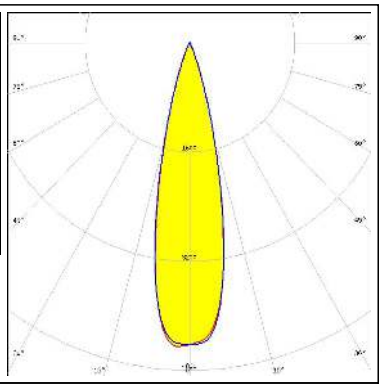
See also our general installation guide: www.ledil.com/installation_guide

OPTICAL RESULTS (MEASURED):

CREE LED

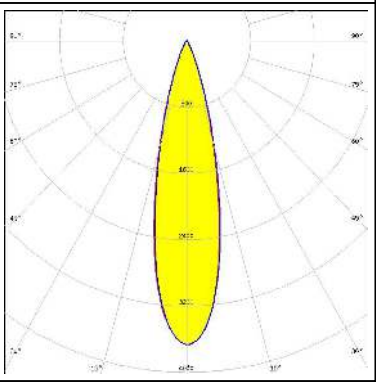
LED	XHP35 HI
FWHM / FWTM	25.0° / 41.0°
Efficiency	89 %
Peak intensity	4.5 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	





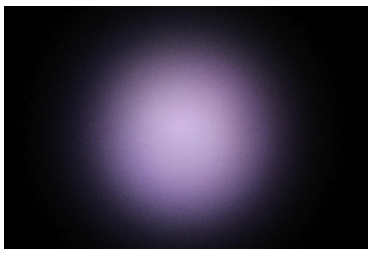
CREE LED

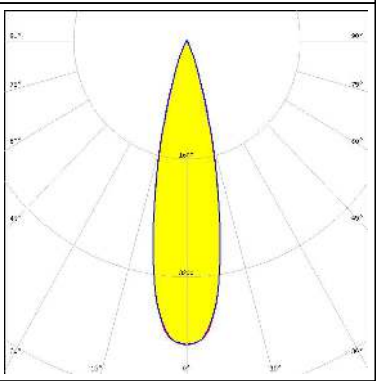
LED	XHP50.2
FWHM / FWTM	25.0° / 45.0°
Efficiency	85 %
Peak intensity	3.7 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



CREE LED

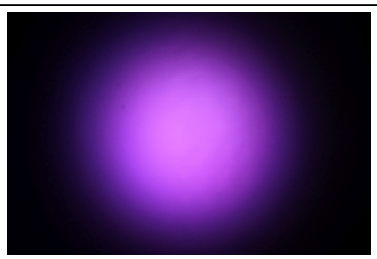
LED	XM-L RGBW (XMLDCL HI)
FWHM / FWTM	25.0° / 42.0°
Efficiency	87 %
Peak intensity	4.1 cd/lm
LEDs/each optic	1
Light colour	RGBW
Required components:	

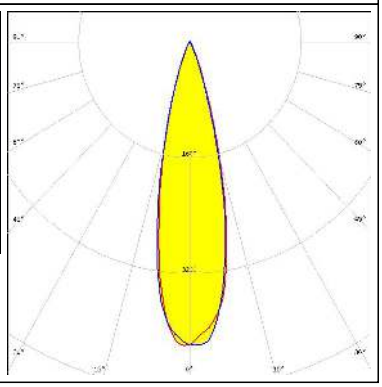




OSRAM
Opto Semiconductors

LED	OSTAR Stage (S2WP)
FWHM / FWTM	25.0° / 42.0°
Efficiency	88 %
Peak intensity	4.2 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



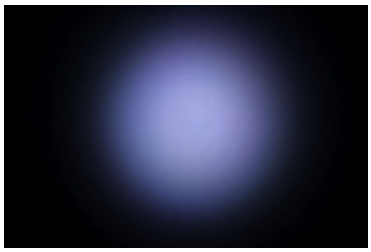


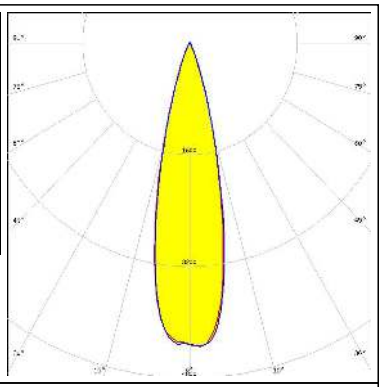
OPTICAL RESULTS (MEASURED):

SEOUL SEMICONDUCTOR

LED	SPF05F0A
FWHM / FWTM	25.0° / 41.0°
Efficiency	88 %
Peak intensity	4.4 cd/lm
LEDs/each optic	1
Light colour	RGBW

Required components:

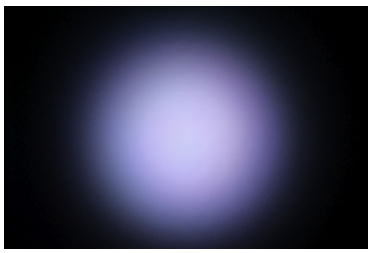


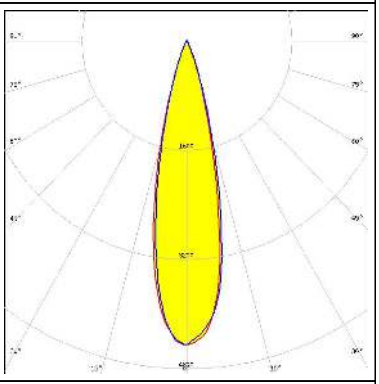


SEOUL SEMICONDUCTOR

LED	SPF05F0B
FWHM / FWTM	25.0° / 42.0°
Efficiency	88 %
Peak intensity	4.4 cd/lm
LEDs/each optic	1
Light colour	RGBW

Required components:

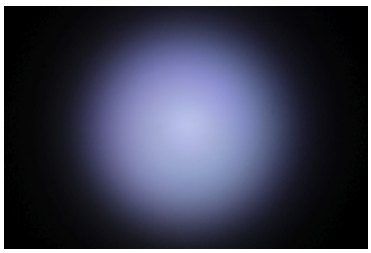


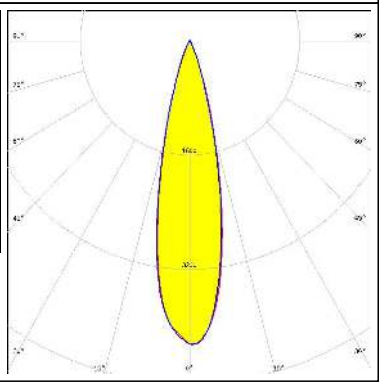


SEOUL SEMICONDUCTOR

LED	SPF05F0C
FWHM / FWTM	24.0° / 42.0°
Efficiency	87 %
Peak intensity	4.3 cd/lm
LEDs/each optic	1
Light colour	RGBW

Required components:

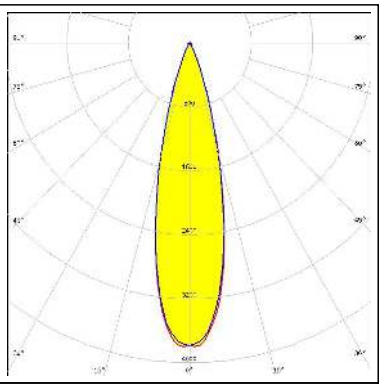




OPTICAL RESULTS (SIMULATED):

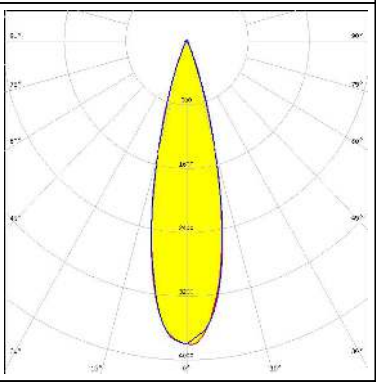
CREE LED

LED	J Series 5050 Round LES
FWHM / FWTM	26.0° / 44.0°
Efficiency	88 %
Peak intensity	3.8 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



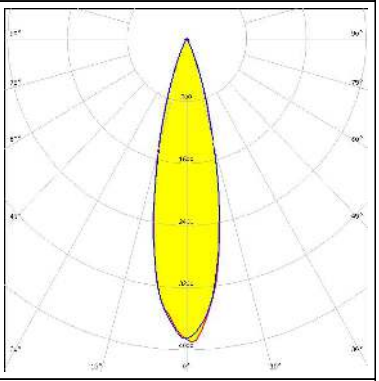
CREE LED

LED	XHP35.2 HD
FWHM / FWTM	26.0° / 44.0°
Efficiency	85 %
Peak intensity	3.8 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



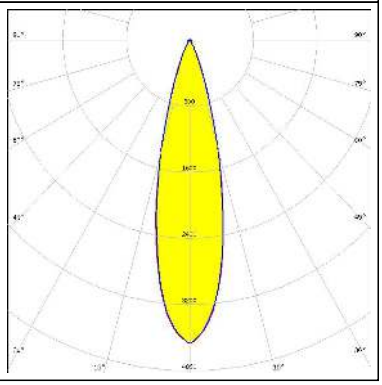
CREE LED

LED	XHP50
FWHM / FWTM	26.0° / 44.0°
Efficiency	87 %
Peak intensity	4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



CREE LED

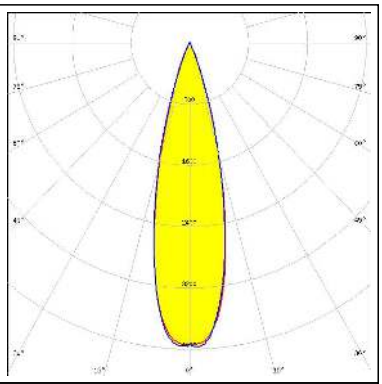
LED	XHP70.3 HI
FWHM / FWTM	26.0° / 46.0°
Efficiency	87 %
Peak intensity	3.7 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



OPTICAL RESULTS (SIMULATED):

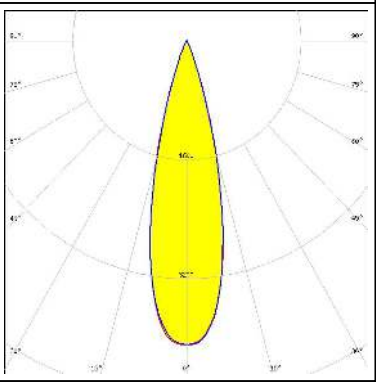
CREE LED

LED	XM-L RGBW (XMLCTW)
FWHM / FWTM	26.0° / 44.0°
Efficiency	88 %
Peak intensity	4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



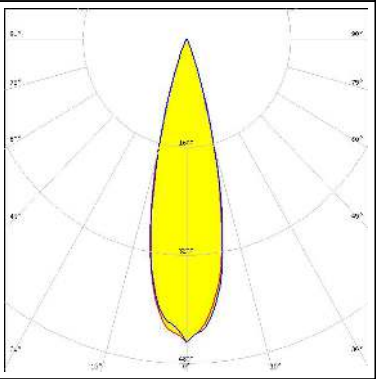
CREE LED

LED	XM-L2
FWHM / FWTM	27.0° / 43.0°
Efficiency	88 %
Peak intensity	4.1 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



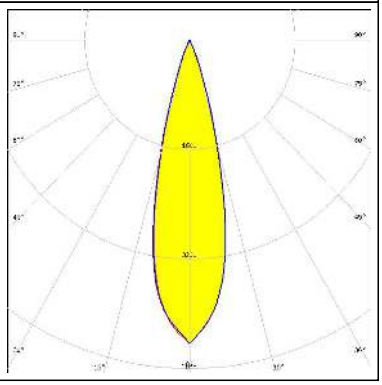
CREE LED

LED	XP-E2
FWHM / FWTM	26.0° / 41.0°
Efficiency	90 %
Peak intensity	4.6 cd/lm
LEDs/each optic	1
Light colour	Amber
Required components:	



CREE LED

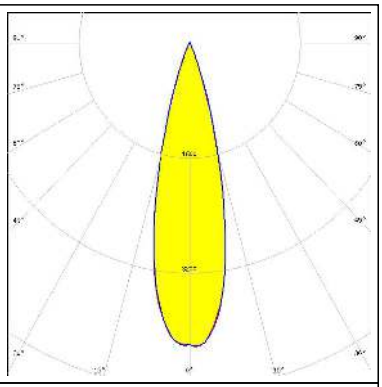
LED	XP-G2
FWHM / FWTM	26.0° / 42.0°
Efficiency	89 %
Peak intensity	4.4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



OPTICAL RESULTS (SIMULATED):

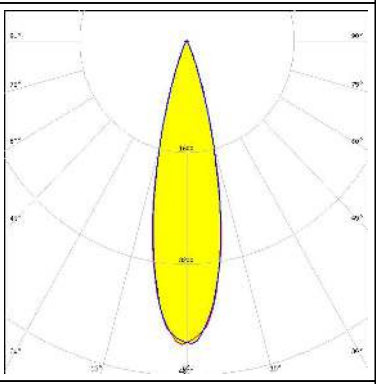
CREE LED

LED	XP-G2 HE
FWHM / FWTM	26.0° / 42.0°
Efficiency	88 %
Peak intensity	4.3 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



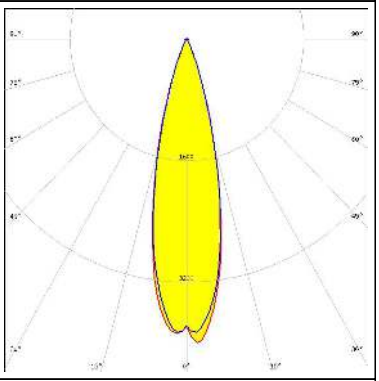
LED ENGIN

LED	LZ7 Plus (LZ7-04M2PD)
FWHM / FWTM	25.0° / 42.0°
Efficiency	90 %
Peak intensity	4.4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



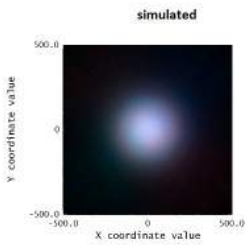
LUMILEDS

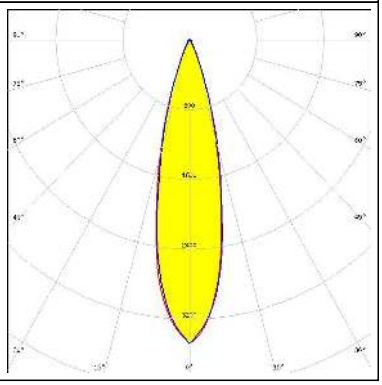
LED	LUXEON 5050 Round LES
FWHM / FWTM	26.0° / 44.0°
Efficiency	89 %
Peak intensity	4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



LUMILEDS

LED	LUXEON C
FWHM / FWTM	24.0 + °
Efficiency	83 %
Peak intensity	3.5 cd/lm
LEDs/each optic	4
Light colour	RGBW
Required components:	

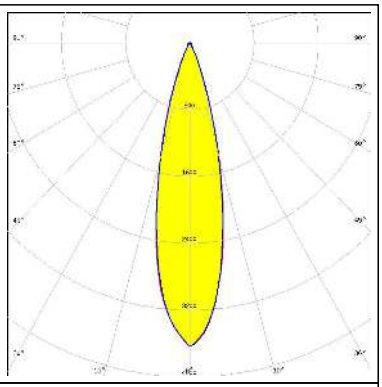




OPTICAL RESULTS (SIMULATED):

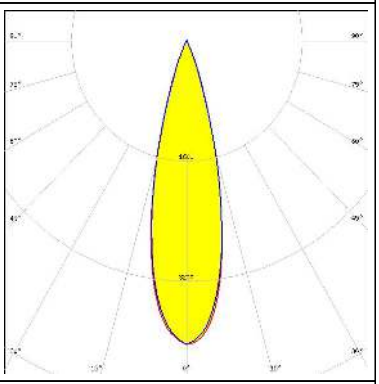
LUMILEDS

LED	LUXEON M/MX
FWHM / FWTM	25.0° / 46.0°
Efficiency	86 %
Peak intensity	3.6 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



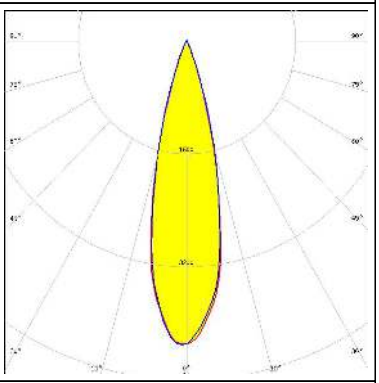
LUMILEDS

LED	LUXEON MZ
FWHM / FWTM	26.0° / 43.0°
Efficiency	88 %
Peak intensity	4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



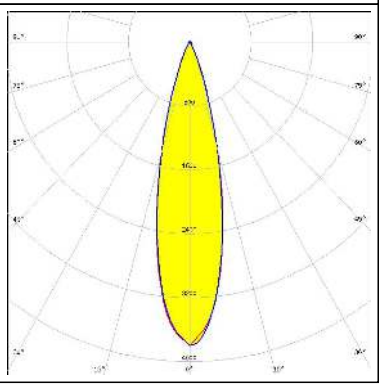
LUMILEDS

LED	LUXEON Rubix
FWHM / FWTM	26.0° / 42.0°
Efficiency	89 %
Peak intensity	4.3 cd/lm
LEDs/each optic	4
Light colour	RGBW
Required components:	



NICHIA

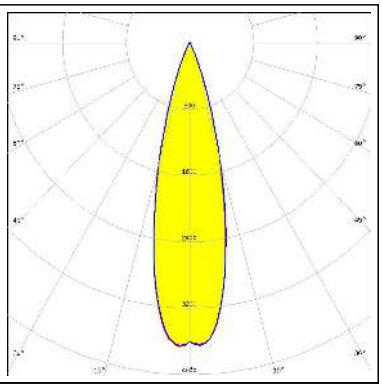
LED	NV4x144A
FWHM / FWTM	26.0° / 44.0°
Efficiency	86 %
Peak intensity	3.8 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



OPTICAL RESULTS (SIMULATED):

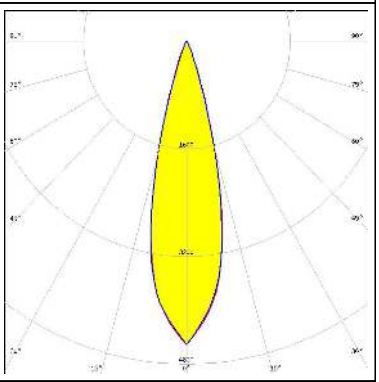
OSRAM Opto Semiconductors

LED	Duris S8
FWHM / FWTM	27.0° / 45.0°
Efficiency	87 %
Peak intensity	3.7 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



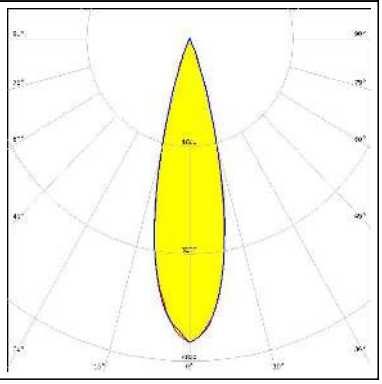
OSRAM Opto Semiconductors

LED	OSLON Square EC
FWHM / FWTM	26.0° / 41.0°
Efficiency	89 %
Peak intensity	4.5 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



SAMSUNG

LED	LM28xB Series
FWHM / FWTM	26.0° / 42.0°
Efficiency	90 %
Peak intensity	4.5 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.

MATERIALS:

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

PRODUCT DATA USER AGREEMENT AND DISCLAIMER:

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