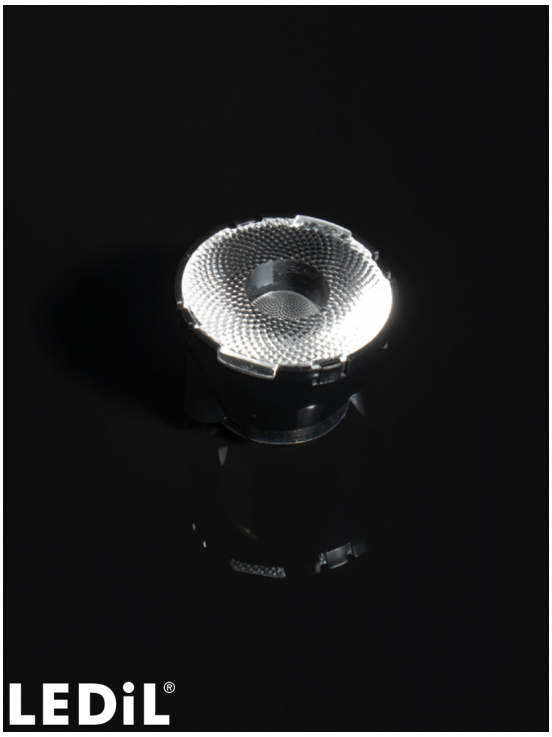
GABRIELLA-MIDI-W

~35° spot beam with holder and installation tape



SPECIFICATION:

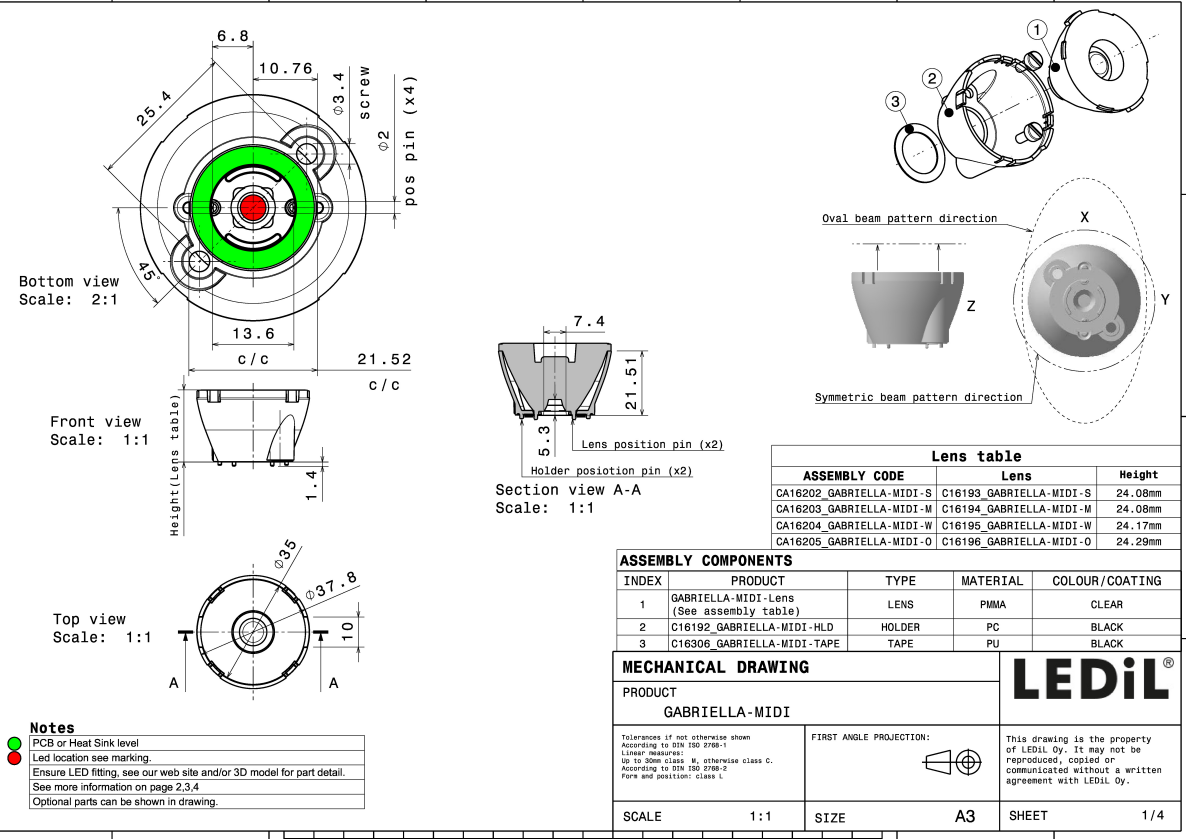
Dimensions	Ø 37.5 mm
Height	24.2 mm
Fastening	tape, pin
ROHS compliant	yes

MATERIALS:

Component	Type	Material	Colour	Finish	Length
GABRIELLA-MIDI-W	Single lens	PMMA	clear		37.5
GABRIELLA-MIDI-HLD	Assembly	PC	black		

ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
CA16204_GABRIELLA-MIDI-W » Box size: 476 x 273 x 292 mm	500	100	50	11.5



Lens table

ASSEMBLY CODE	Lens	Height
CA16202_GABRIELLA-MIDI-S	C16193_GABRIELLA-MIDI-S	24.08mm
CA16203_GABRIELLA-MIDI-M	C16194_GABRIELLA-MIDI-M	24.08mm
CA16204_GABRIELLA-MIDI-W	C16195_GABRIELLA-MIDI-W	24.17mm
CA16205_GABRIELLA-MIDI-O	C16196_GABRIELLA-MIDI-O	24.29mm

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	C16306_GABRIELLA-MIDI-TAPE	TAPE	PU	BLACK

Notes

PCB or Heat Sink level
Led location see marking.
Ensure LED fitting, 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.

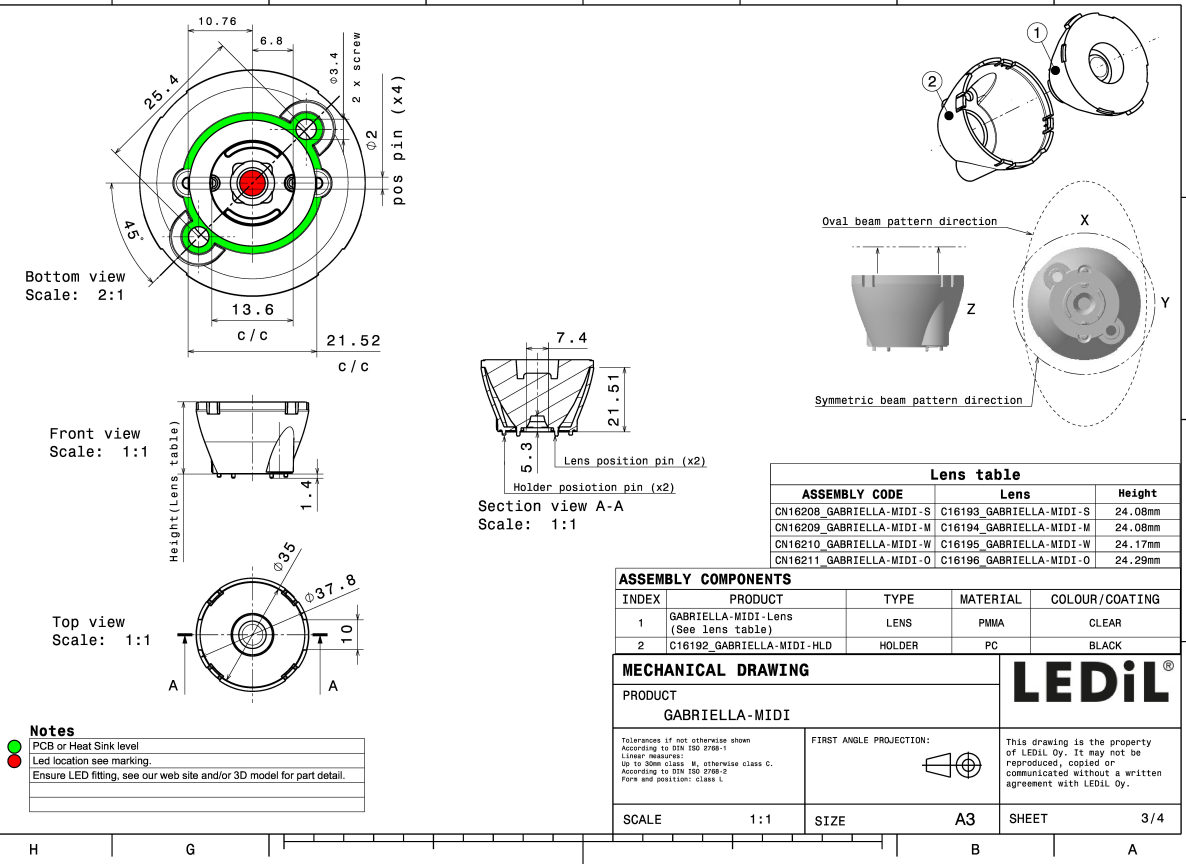
MECHANICAL DRAWING

PRODUCT
GABRIELLA-MIDI

Tolerances if not otherwise shown
According to DIN ISO 2768-1
Linear measures:
Up to 30mm class M, otherwise class C.
According to DIN ISO 2768-2
Form and position: class L

FIRST ANGLE PROJECTION:

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



Lens table

ASSEMBLY CODE	Lens	Height
CN16208_GABRIELLA-MIDI-S	C16193_GABRIELLA-MIDI-S	24.08mm
CN16209_GABRIELLA-MIDI-M	C16194_GABRIELLA-MIDI-M	24.08mm
CN16210_GABRIELLA-MIDI-W	C16195_GABRIELLA-MIDI-W	24.17mm
CN16211_GABRIELLA-MIDI-O	C16196_GABRIELLA-MIDI-O	24.29mm

ASSEMBLY COMPONENTS

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

Notes

PCB or Heat Sink level
Led location see marking.
Ensure LED fitting, see our web site and/or 3D model for part detail.

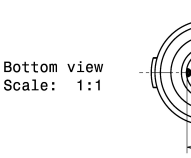
MECHANICAL DRAWING

PRODUCT
GABRIELLA-MIDI

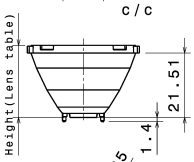
Tolerances if not otherwise shown
According to DIN ISO 2768-1
Linear measures:
Up to 30mm class M, otherwise class C.
According to DIN ISO 2768-2
Form and position: class L

FIRST ANGLE PROJECTION:

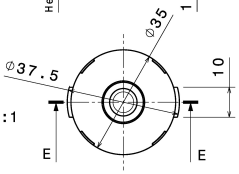
SCALE 1:1 | SIZE A3 | SHEET 3/4



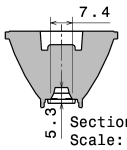
Bottom view
Scale: 1:1



Front view
Scale: 1:1



Top view
Scale: 1:1



Section view E-E
Scale: 1:1

Isometric view
Scale: 1:1

Lens table	
Lens	Height
C16193_GABRIELLA-MIDI-S	24.08mm
C16194_GABRIELLA-MIDI-M	24.08mm
C16195_GABRIELLA-MIDI-W	24.17mm
C16196_GABRIELLA-MIDI-O	24.29mm

COMPONENTS

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

Notes

PCB or Heat Sink level
Led location see marking.
Ensure LED fitting, see our web site and/or 3D model for part detail.

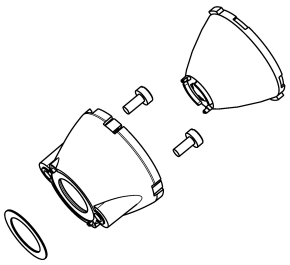
MECHANICAL DRAWING

PRODUCT
GABRIELLA-MIDI

Tolerances if not otherwise shown
According to DIN ISO 2768-1
Linear measures:
Up to 30mm class M, otherwise class C.
According to DIN ISO 2768-2
Form and position: class L

FIRST ANGLE PROJECTION:

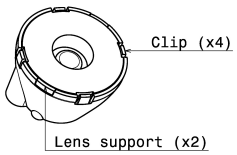
SCALE 1:1 | SIZE A3 | SHEET 2/4



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

Tolerances if not otherwise shown
According to DIN ISO 2768-1
Linear measures:
Up to 30mm class M, otherwise class C.
According to DIN ISO 2768-2
Form and position: class L

FIRST ANGLE PROJECTION:

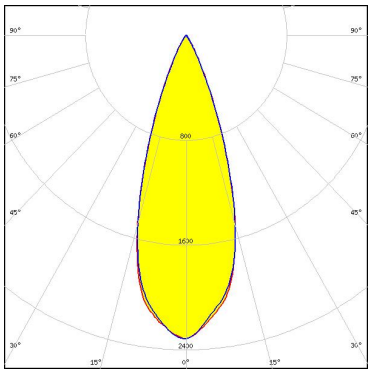
SCALE 1:1 | SIZE A3 | SHEET 4/4

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

OPTICAL RESULTS (MEASURED):

CREE LEDs

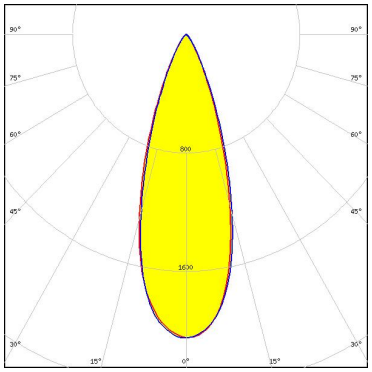
LED	XHP35 HI
FWHM / FWTM	35.0° / 56.0°
Efficiency	86 %
Peak intensity	2.3 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

CREE LEDs

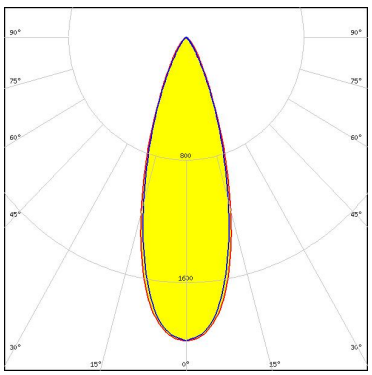
LED	XHP50.2
FWHM / FWTM	34.0° / 59.0°
Efficiency	82 %
Peak intensity	2.1 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

CREE LEDs

LED	XM-L RGBW (XMLDCL HI)
FWHM / FWTM	33.0° / 61.0°
Efficiency	82 %
Peak intensity	2 cd/lm
LEDs/each optic	1
Light colour/type	RGBW
Required components:	

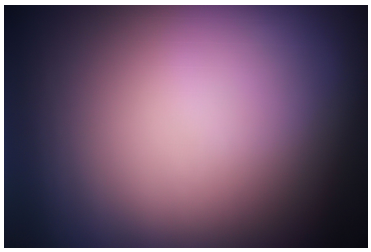


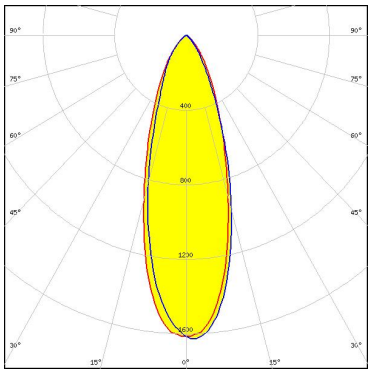
Light distribution files

OPTICAL RESULTS (MEASURED):

OSRAM
Opto Semiconductors

LED	OSLON Pure 1414
FWHM / FWTM	33.0° / 72.0°
Efficiency	78 %
Peak intensity	1.7 cd/lm
LEDs/each optic	4
Light colour/type	RGBW
Required components:	

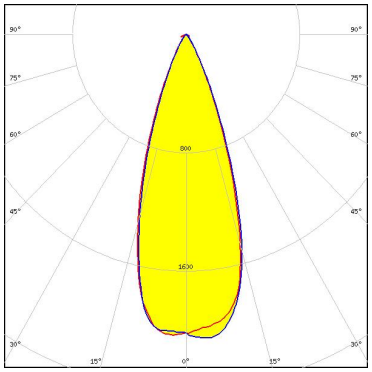




Light distribution files

OSRAM
Opto Semiconductors

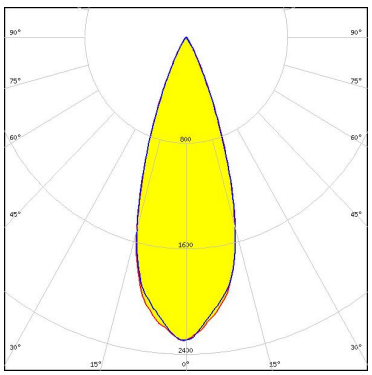
LED	OSTAR Stage (S2WP)
FWHM / FWTM	36.0° / 57.0°
Efficiency	84 %
Peak intensity	2.1 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

SEOUL SEMICONDUCTOR

LED	SPF05F0A
FWHM / FWTM	36.0° / 56.0°
Efficiency	86 %
Peak intensity	2.3 cd/lm
LEDs/each optic	1
Light colour/type	RGBW
Required components:	

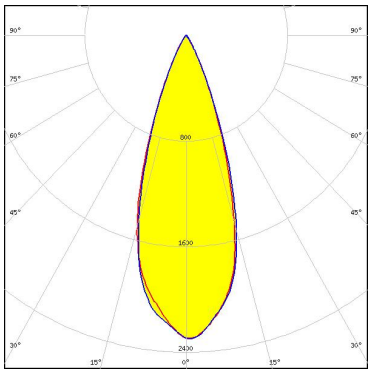


Light distribution files

OPTICAL RESULTS (MEASURED):

SEOUL SEMICONDUCTOR

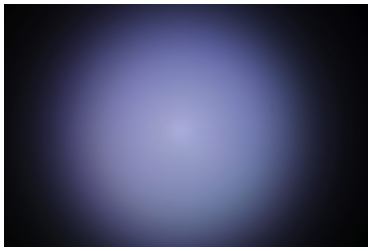
LED	SPF05F0B
FWHM / FWTM	36.0° / 56.0°
Efficiency	86 %
Peak intensity	2.3 cd/lm
LEDs/each optic	1
Light colour/type	RGBW
Required components:	

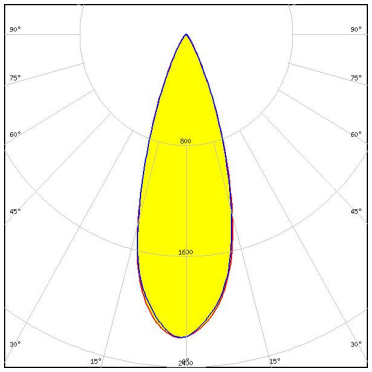


Light distribution files

SEOUL SEMICONDUCTOR

LED	SPF05F0C
FWHM / FWTM	35.0° / 57.0°
Efficiency	84 %
Peak intensity	2.2 cd/lm
LEDs/each optic	1
Light colour/type	RGBW
Required components:	



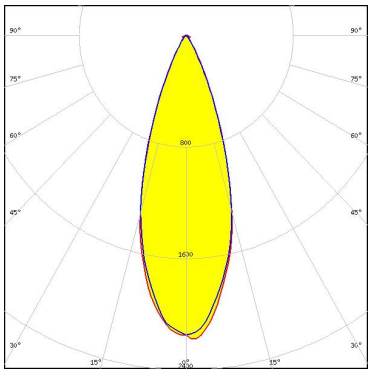


Light distribution files

OPTICAL RESULTS (SIMULATED):

CREE LEDs

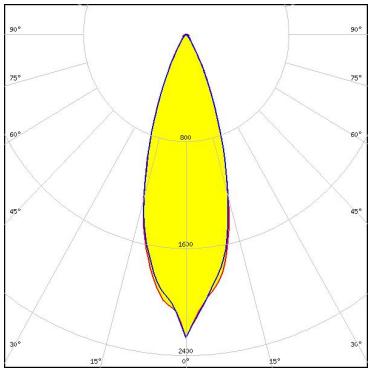
LED	J Series 5050 Round LES
FWHM / FWTM	34.0° / 58.0°
Efficiency	84 %
Peak intensity	2.2 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

CREE LEDs

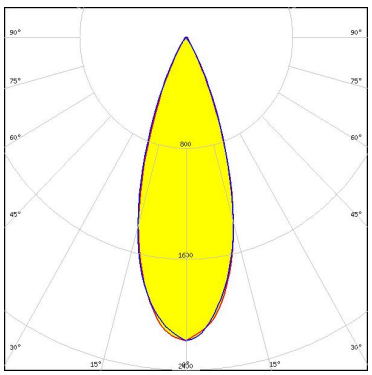
LED	XHP50
FWHM / FWTM	32.0° / 58.0°
Efficiency	83 %
Peak intensity	2.3 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

CREE LEDs

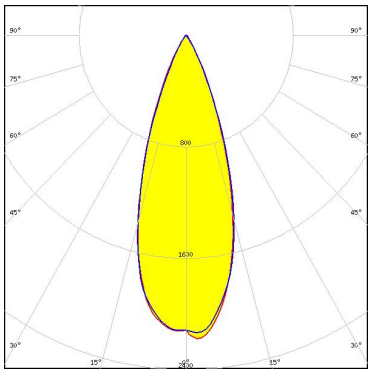
LED	XM-L RGBW (XMLCTW)
FWHM / FWTM	36.0° / 58.0°
Efficiency	85 %
Peak intensity	2.2 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

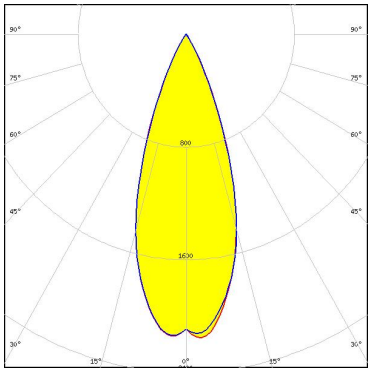
OPTICAL RESULTS (SIMULATED):

LED	XM-L RGBW (XMLDCL HD)
FWHM / FWTM	36.0° / 58.0°
Efficiency	85 %
Peak intensity	2.2 cd/lm
LEDs/each optic	1
Light colour/type	RGBW
Required components:	



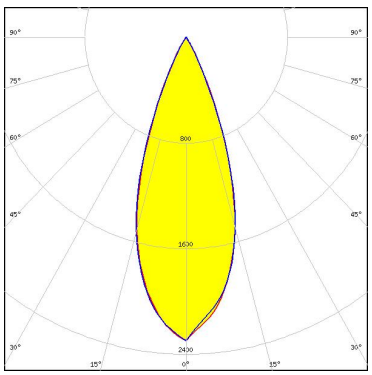
Light distribution files

LED	XM-L2
FWHM / FWTM	37.0° / 58.0°
Efficiency	85 %
Peak intensity	2.2 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

LED	XP-G2
FWHM / FWTM	37.0° / 57.0°
Efficiency	86 %
Peak intensity	2.3 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

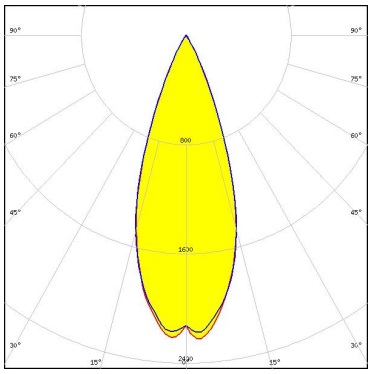


Light distribution files

OPTICAL RESULTS (SIMULATED):

CREE LEDs

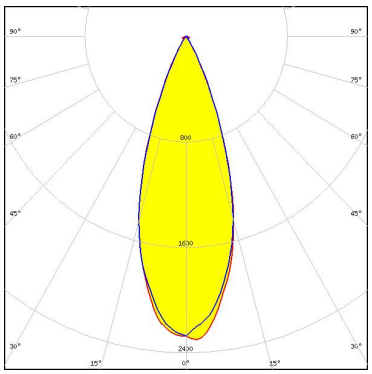
LED	XP-G2 HE
FWHM / FWTM	38.0° / 56.0°
Efficiency	85 %
Peak intensity	2.2 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

LED ENGIN

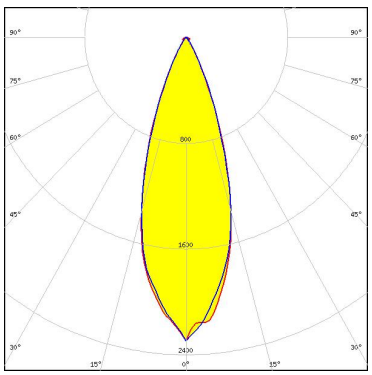
LED	LZ7 Plus (LZ7-04M2PD)
FWHM / FWTM	35.0° / 57.0°
Efficiency	87 %
Peak intensity	2.3 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

LUMILEDS

LED	LUXEON 5050 Round LES
FWHM / FWTM	34.0° / 58.0°
Efficiency	85 %
Peak intensity	2.3 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

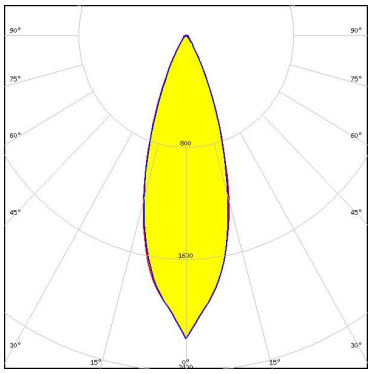


Light distribution files

OPTICAL RESULTS (SIMULATED):

LUMILEDS

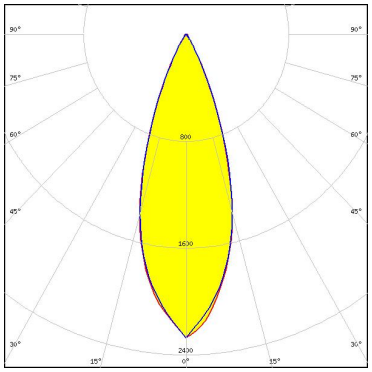
LED	LUXEON M/MX
FWHM / FWTM	33.0° / 59.0°
Efficiency	82 %
Peak intensity	2.2 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

LUMILEDS

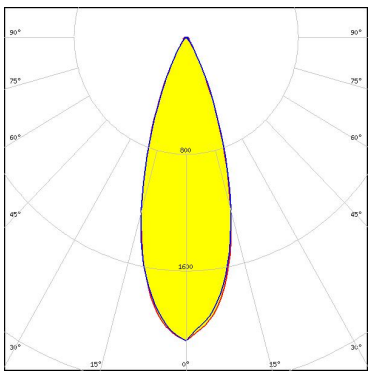
LED	LUXEON MZ
FWHM / FWTM	35.0° / 57.0°
Efficiency	85 %
Peak intensity	2.3 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

NICHIA

LED	NV4x144A
FWHM / FWTM	34.0° / 59.0°
Efficiency	82 %
Peak intensity	2.1 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

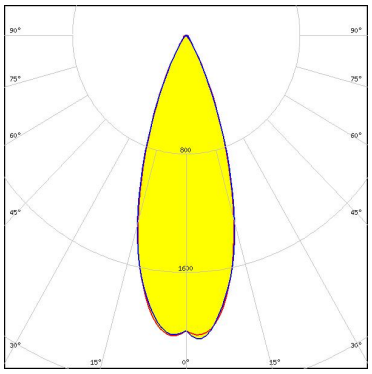


Light distribution files

OPTICAL RESULTS (SIMULATED):

OSRAM
Opto Semiconductors

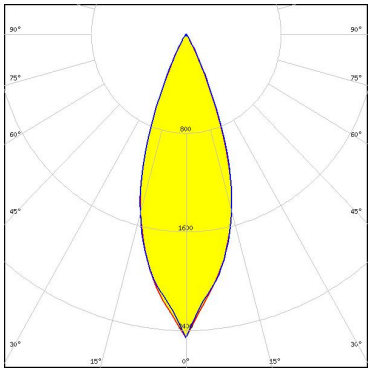
LED	Duris S8
FWHM / FWTM	36.0° / 59.0°
Efficiency	84 %
Peak intensity	2.1 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

OSRAM
Opto Semiconductors

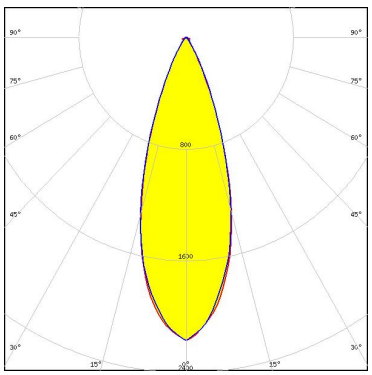
LED	OSLON Square EC
FWHM / FWTM	36.0° / 56.0°
Efficiency	85 %
Peak intensity	2.5 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

SAMSUNG

LED	LH502D
FWHM / FWTM	34.0° / 58.0°
Efficiency	84 %
Peak intensity	2.2 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

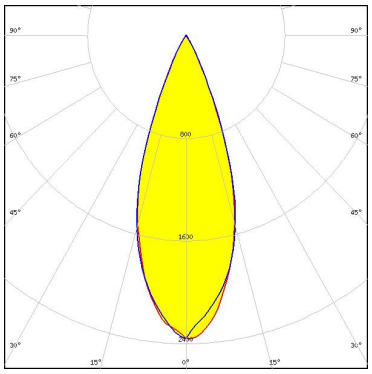


Light distribution files

OPTICAL RESULTS (SIMULATED):

SAMSUNG

LED	LM28xB Series
FWHM / FWTM	38.0° / 56.0°
Efficiency	88 %
Peak intensity	2.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

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:

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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