GABRIELLA-MIDI-O

~12+40° oval beam with holder and installation tape

TECHNICAL SPECIFICATIONS:

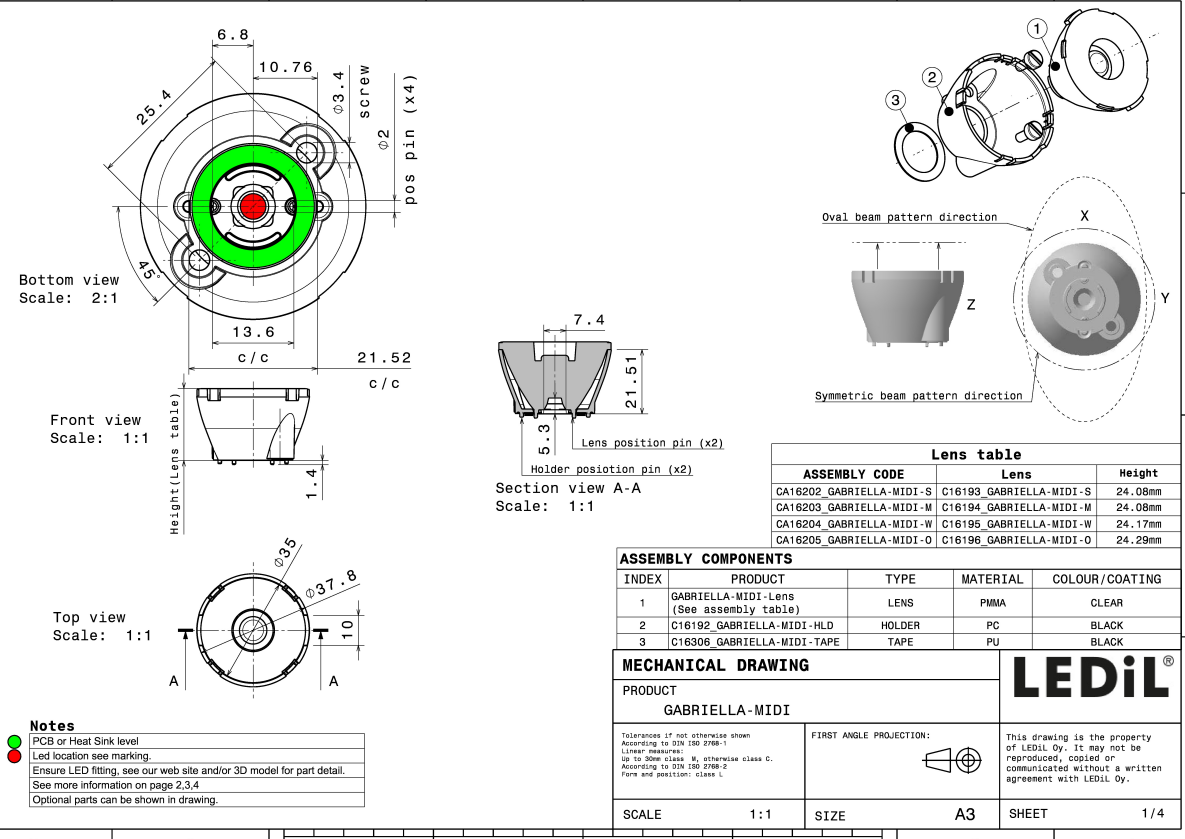
Dimensions	Ø 37.8 mm
Height	24.1 mm
Fastening	tape, pin
ROHS compliant	yes

MATERIAL SPECIFICATIONS:

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

ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
CA16205_GABRIELLA-MIDI-O » 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	24.08mm
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.

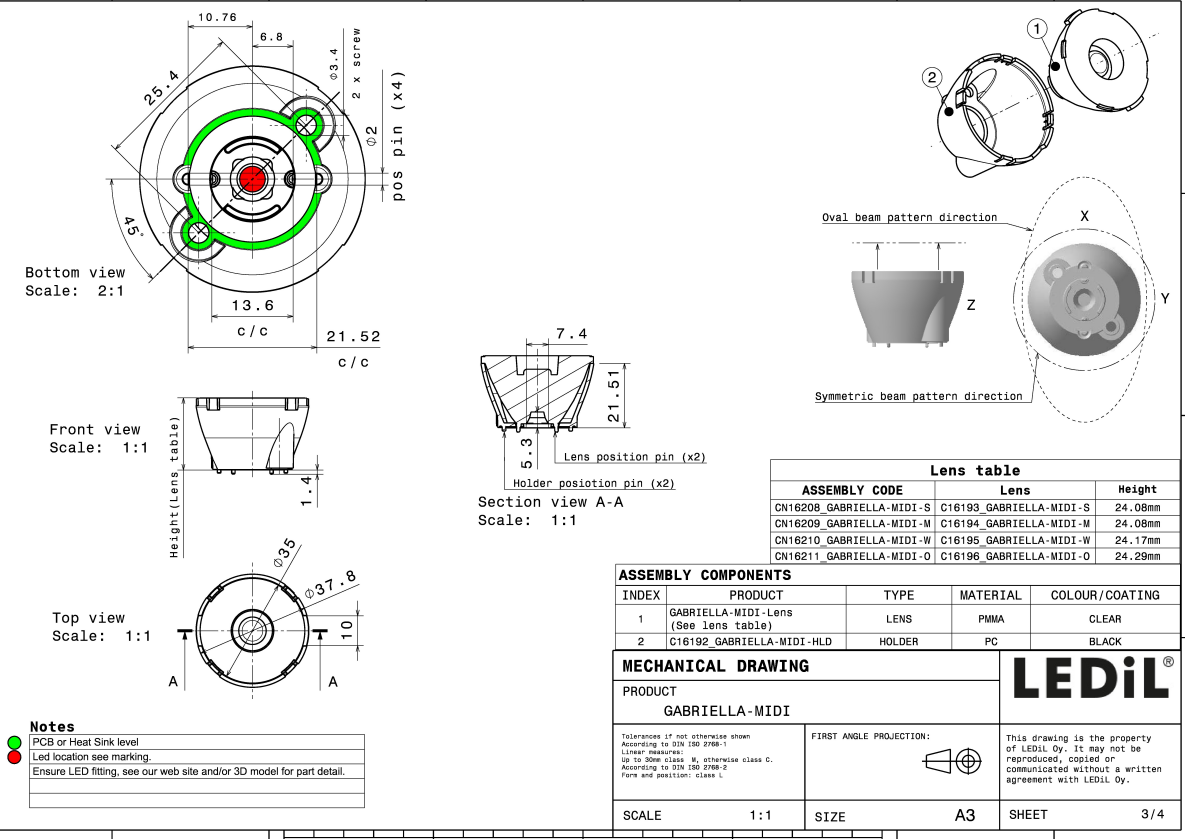
MECHANICAL DRAWING

PRODUCT
GABRIELLA-MIDI

Tolerances if not otherwise shown
According to DIN ISO 2768-1
Linear measures:
Up to 30mm class W, 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.

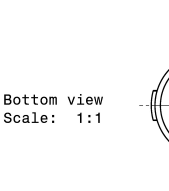
MECHANICAL DRAWING

PRODUCT
GABRIELLA-MIDI

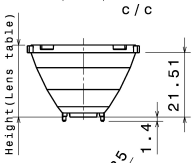
Tolerances if not otherwise shown
According to DIN ISO 2768-1
Linear measures:
Up to 30mm class W, otherwise class C.
According to DIN ISO 2768-2
Form and position: class L

FIRST ANGLE PROJECTION:

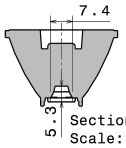
SCALE 1:1 | SIZE A3 | SHEET 3/4



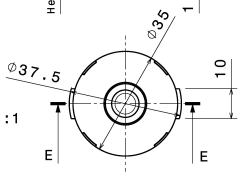
Bottom view
Scale: 1:1



Front view
Scale: 1:1



Section view E-E
Scale: 1:1



Top view
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.

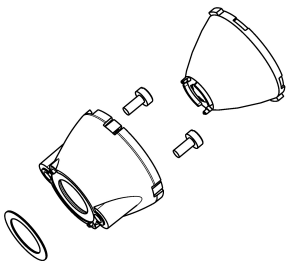
MECHANICAL DRAWING

PRODUCT
GABRIELLA-MIDI

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

FIRST ANGLE PROJECTION:

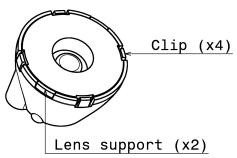
SCALE 1:1 | SIZE A3 | SHEET 2/4



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 W, otherwise class C.
According to DIN ISO 2768-2
Form and position: class L

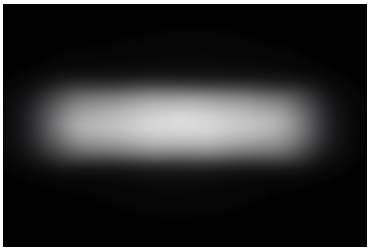
FIRST ANGLE PROJECTION:

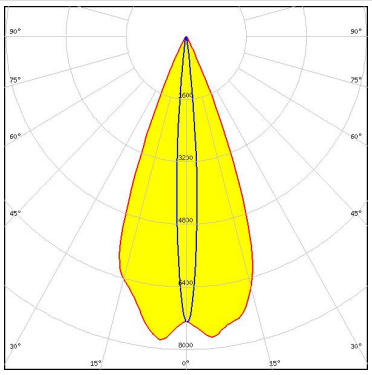
SCALE 1:1 | SIZE A3 | SHEET 4/4

PHOTOMETRIC DATA (MEASURED):

OSRAM
Opto Semiconductors

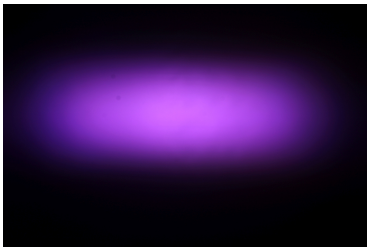
LED	OSTAR Projection Compact (Kx.CSLNM1.xx)
FWHM	42.0 + 9.0°
Efficiency	90 %
Peak intensity	7.8 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

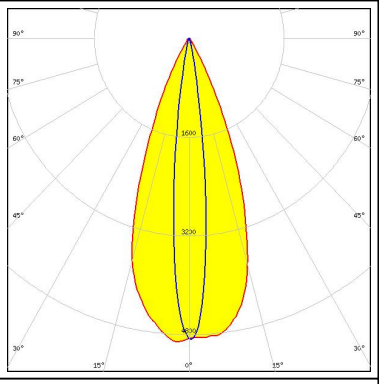




OSRAM
Opto Semiconductors

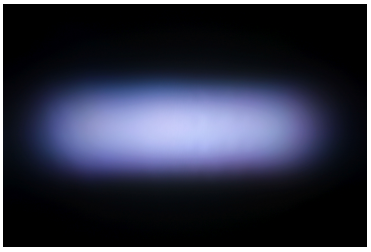
LED	OSTAR Stage (S2WP)
FWHM	40.0 + 12.0°
Efficiency	87 %
Peak intensity	4.9 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

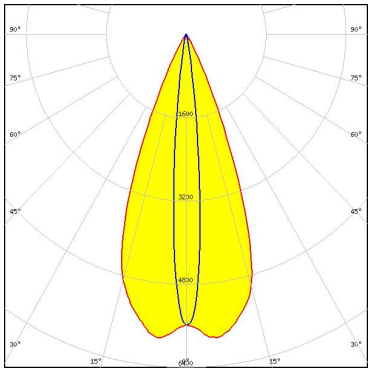




SEOUL SEMICONDUCTOR

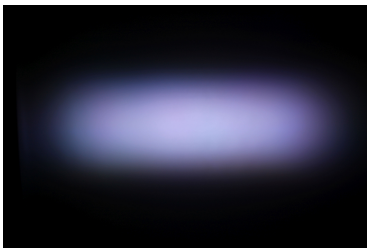
LED	SPF05F0A
FWHM	42.0 + 11.0°
Efficiency	88 %
Peak intensity	5.9 cd/lm
LEDs/each optic	1
Light colour	RGBW
Required components:	

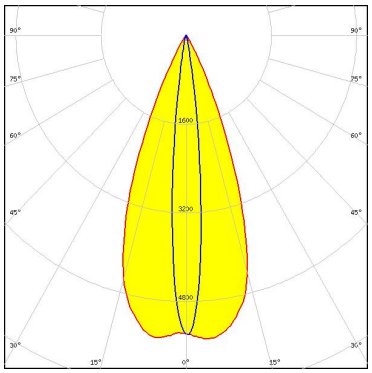




SEOUL SEMICONDUCTOR

LED	SPF05F0B
FWHM	41.0 + 12.0°
Efficiency	88 %
Peak intensity	5.5 cd/lm
LEDs/each optic	1
Light colour	RGBW
Required components:	



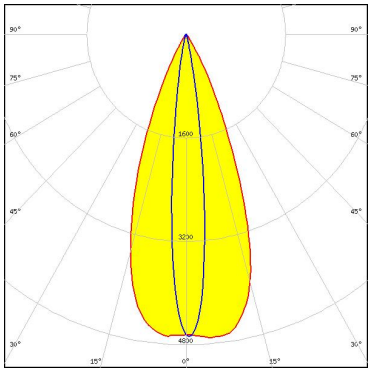


PHOTOMETRIC DATA (MEASURED):

SEOUL SEMICONDUCTOR

LED	SPF05F0C
FWHM	41.0 + 13.0°
Efficiency	87 %
Peak intensity	4.7 cd/lm
LEDs/each optic	1
Light colour	RGBW

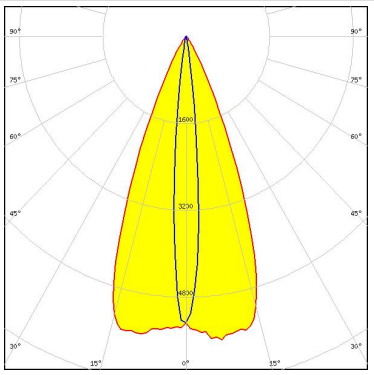
Required components:



PHOTOMETRIC DATA (SIMULATED):

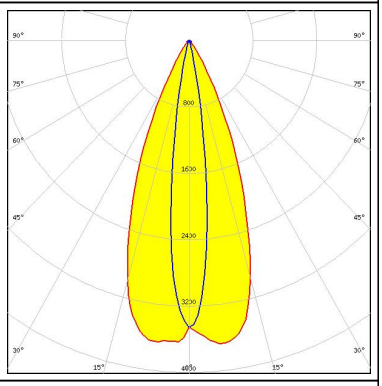
CREE

LED	XHP35 HI
FWHM	43.0 + 10.0°
Efficiency	87 %
Peak intensity	5.6 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



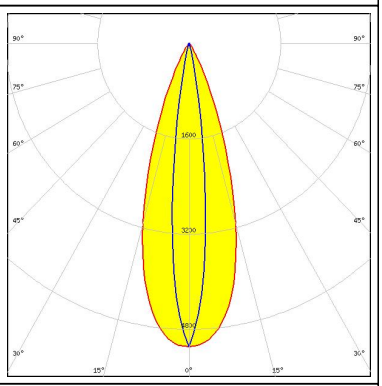
CREE

LED	XHP50
FWHM	42.0 + 14.0°
Efficiency	84 %
Peak intensity	3.7 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



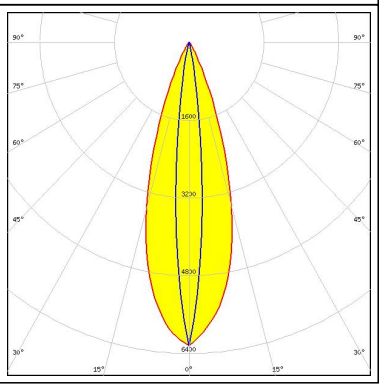
CREE

LED	XM-L RGB
FWHM	13.0 + 34.0°
Efficiency	86 %
Peak intensity	5.1 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



CREE

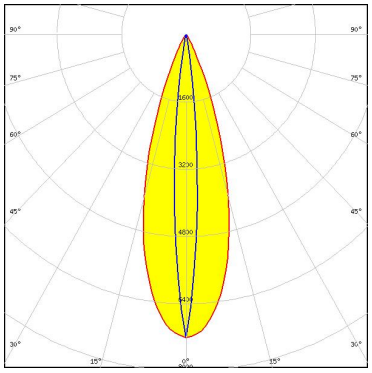
LED	XM-L2
FWHM	11.0 + 33.0°
Efficiency	87 %
Peak intensity	6.2 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



PHOTOMETRIC DATA (SIMULATED):

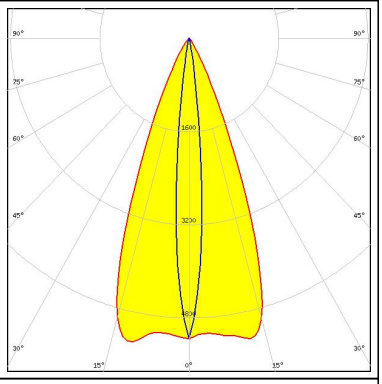
CREE

LED	XP-G2
FWHM	9.0 + 33.0°
Efficiency	87 %
Peak intensity	7.2 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



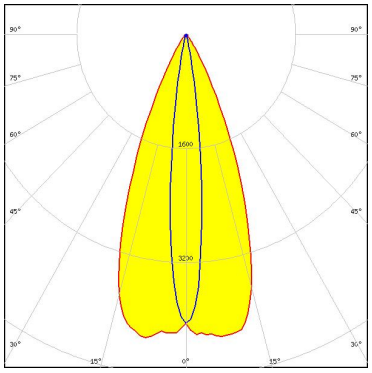
CREE

LED	XP-G2 HE
FWHM	42.0 + 10.0°
Efficiency	86 %
Peak intensity	5.3 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



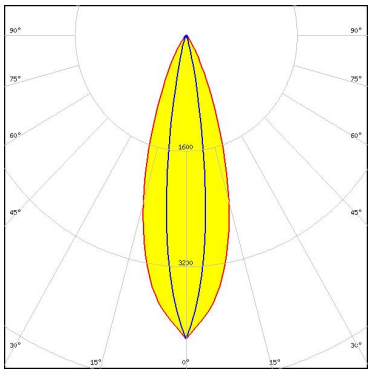
LUMILEDS

LED	LUXEON 5050 Round LES
FWHM	12.0 + 44.0°
Efficiency	86 %
Peak intensity	4.3 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



LUMILEDS

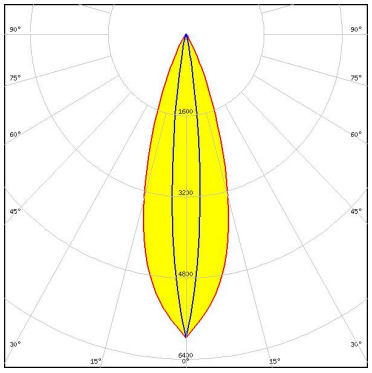
LED	LUXEON M/MX
FWHM	15.0 + 33.0°
Efficiency	84 %
Peak intensity	4.2 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



PHOTOMETRIC DATA (SIMULATED):

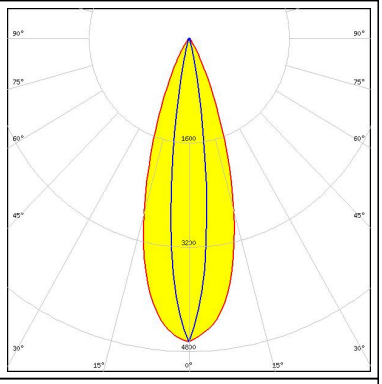
LUMILEDS

LED	LUXEON MZ
FWHM	11.0 + 32.0°
Efficiency	86 %
Peak intensity	6 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



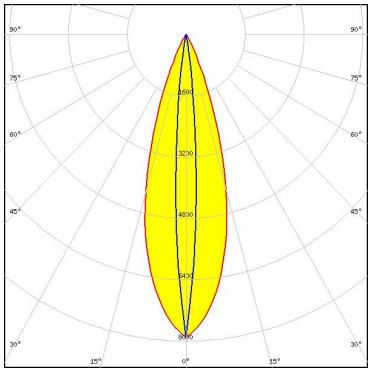
OSRAM
Opto Semiconductors

LED	Duris S8
FWHM	14.0 + 34.0°
Efficiency	86 %
Peak intensity	4.7 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



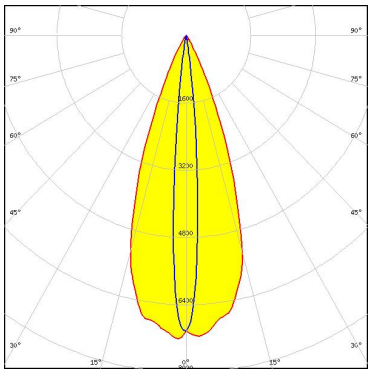
OSRAM
Opto Semiconductors

LED	OSLON Square EC
FWHM	8.0 + 31.0°
Efficiency	87 %
Peak intensity	7.9 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



OSRAM
Opto Semiconductors

LED	OSTAR Stage (S2WN)
FWHM	9.0 + 38.0°
Efficiency	87 %
Peak intensity	7.2 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:

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.

LEDiL Oy assumes neither warranty, nor guarantee nor any other liability of any kind for the contents and correctness of the provided data. The provided data has been generated with highest diligence but the provided data may in reality not represent the complete possible variation range of all intrinsic parameters. Therefore, in certain cases a deviation from the provided data could occur.

LEDiL Oy reserves the right to undertake technical changes of its products without further notification which could lead to changes in the provided data. LEDiL Oy assumes no liability of any kind for the possible deviation from any provided data or any other damage resulting from the usage of the provided data.

The user agrees to this disclaimer and user agreement with the download or usage of the provided files.

LEDiL Oy
Joensuunkatu 13
FI-24240 SALO
Finland

LEDiL Inc.
228 West Page Street
Suite D
Sycamore IL 60178
USA

Local sales and technical support
www.ledil.com/
where_to_buy

Shipping locations
Salo, Finland
Hong Kong, China

Distribution Partners
www.ledil.com/
where_to_buy