LISA3-O-PIN

~15° x 50° oval beam with location pin installation



TECHNICAL SPECIFICATIONS:

Dimensions	Ø 10.0 mm
Height	7.9 mm
Fastening	glue
ROHS compliant	yes

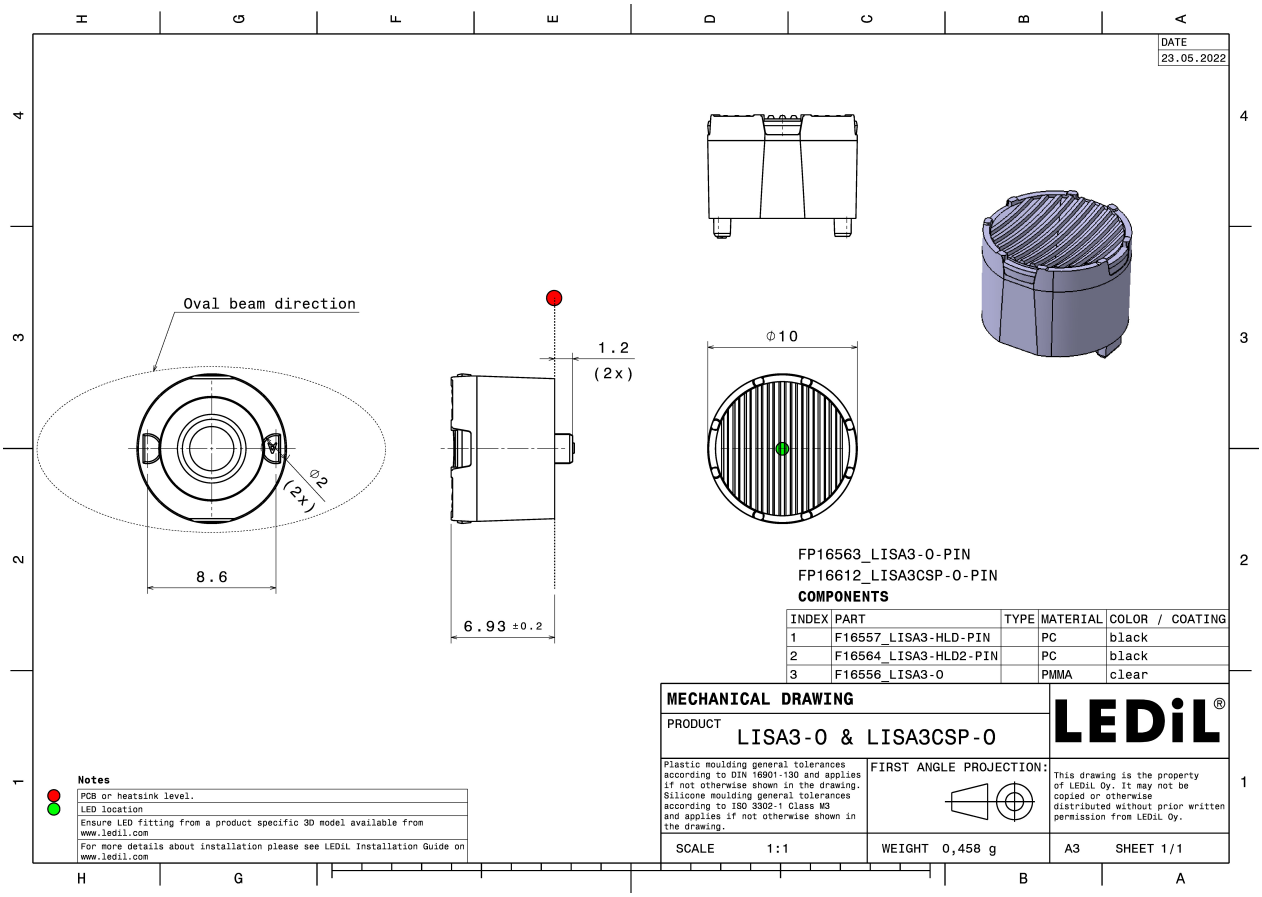
MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour	Finish
LISA3-O	Single lens	PMMA	clear	
LISA3-HLD-PIN	Holder	PC	black	

ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
FP16563_LISA3-O-PIN » Box size: 310 x 230 x 60 mm	Single lens	2000	300	100	1.3

LEDiL is a registered trademark of LEDiL Oy in the European Union, USA, and certain other countries.



FP16563_LISA3-O-PIN
FP16612_LISA3CSP-O-PIN

COMPONENTS

INDEX	PART	TYPE	MATERIAL	COLOR / COATING
1	F16557_LISA3-HLD-PIN		PC	black
2	F16564_LISA3-HLD2-PIN		PC	black
3	F16556_LISA3-O		PMMA	clear

Notes

PCB or heatsink level.
LED location
Ensure LED fitting from a product specific 3D model available from www.ledil.com
For more details about installation please see LEDiL Installation Guide on www.ledil.com

MECHANICAL DRAWING

PRODUCT
LISA3-O & LISA3CSP-O

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:

This drawing is the property of LEDiL Oy. It may not be copied or otherwise distributed without prior written permission from LEDiL Oy.

SCALE 1:1 | WEIGHT 0,458 g | A3 | SHEET 1/1

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

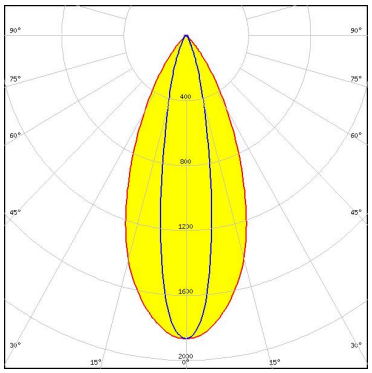
LEDiL is a registered trademark of LEDiL Oy in the European Union, USA, and certain other countries.

PHOTOMETRIC DATA (MEASURED):

CREE LED

LED	XD16
FWHM / FWTM	45.0 + 20.0° / 78.0 + 43.0°
Efficiency	65 %
Peak intensity	1.9 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

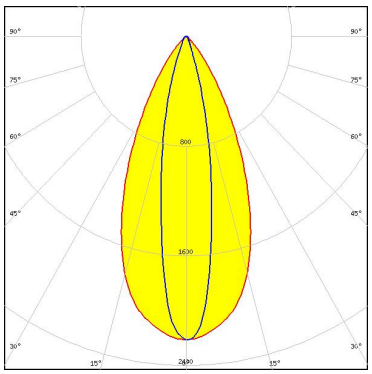




CREE LED

LED	XP-E2
FWHM / FWTM	48.0 + 20.0° / 79.0 + 41.0°
Efficiency	78 %
Peak intensity	2.3 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

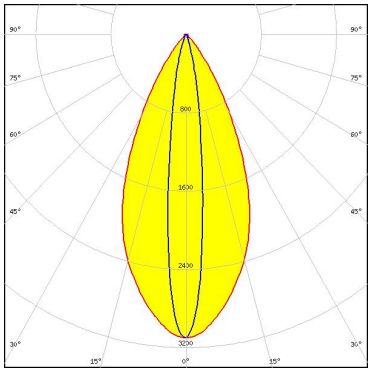




LUMILEDS

LED	LUXEON CZ
FWHM / FWTM	49.0 + 14.0° / 76.0 + 31.0°
Efficiency	76 %
Peak intensity	3.1 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

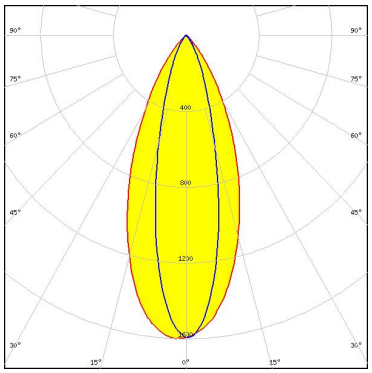




NICHIA

LED	NF2x757G
FWHM / FWTM	33.0° / 64.0°
Efficiency	66 %
Peak intensity	1.6 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	





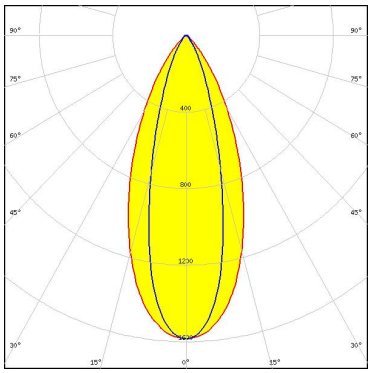
LEDiL is a registered trademark of LEDiL Oy in the European Union, USA, and certain other countries.

PHOTOMETRIC DATA (MEASURED):

NICHIA

LED	NVSW219F
FWHM / FWTM	45.0 + 29.0° / 81.0 + 58.0°
Efficiency	77 %
Peak intensity	1.6 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

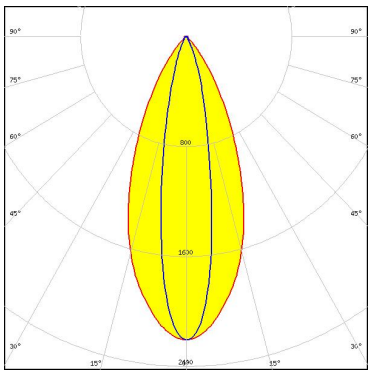




OSRAM
Opto Semiconductors

LED	OSCONIQ C 2424
FWHM / FWTM	44.0 + 20.0° / 77.0 + 43.0°
Efficiency	74 %
Peak intensity	2.2 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

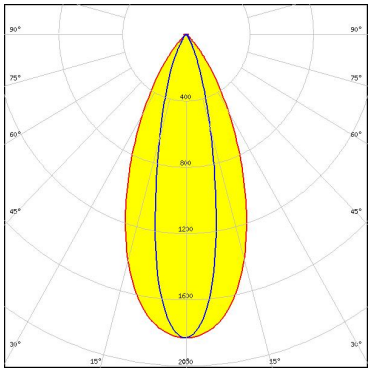




OSRAM
Opto Semiconductors

LED	OSLON Square CSSRM2/CSSRM3
FWHM / FWTM	46.0 + 24.0° / 80.0 + 50.0°
Efficiency	75 %
Peak intensity	1.8 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

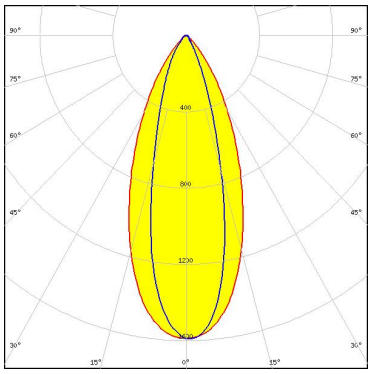




SAMSUNG

LED	LH351C
FWHM / FWTM	45.0 + 28.0° / 81.0 + 59.0°
Efficiency	77 %
Peak intensity	1.6 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	





LEDiL is a registered trademark of LEDiL Oy in the European Union, USA, and certain other countries.

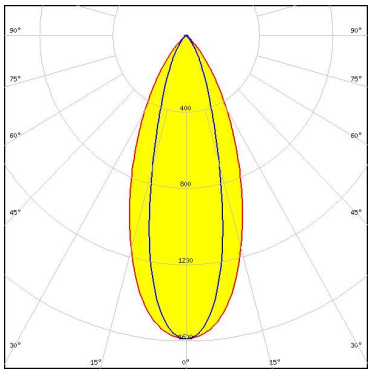
PHOTOMETRIC DATA (MEASURED):

SEOUL SEMICONDUCTOR

LED	Z5M4
FWHM / FWTM	44.0 + 28.0° / 81.0 + 59.0°
Efficiency	75 %
Peak intensity	1.6 cd/lm
LEDs/each optic	1
Light colour	White

Required components:



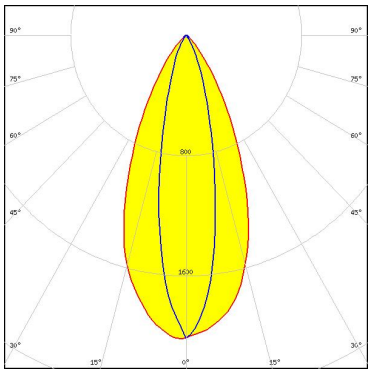


LEDiL is a registered trademark of LEDiL Oy in the European Union, USA, and certain other countries.

PHOTOMETRIC DATA (SIMULATED):

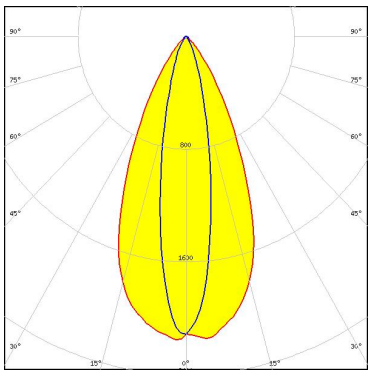
CREE LED

LED	J Series 2835
FWHM / FWTM	46.0 + 22.0° / 78.0 + 48.0°
Efficiency	81 %
Peak intensity	2 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



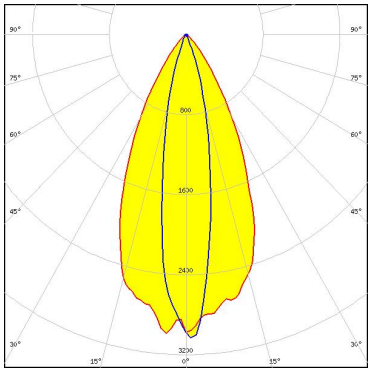
CREE LED

LED	J Series 2835
FWHM / FWTM	48.0 + 20.0° / 78.0 + 44.0°
Efficiency	82 %
Peak intensity	2.2 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



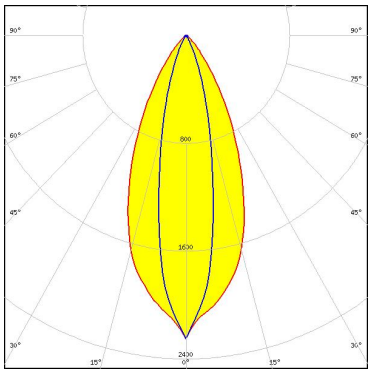
CREE LED

LED	XP-E
FWHM / FWTM	17.0 + 48.0° / 36.0 + 74.0°
Efficiency	85 %
Peak intensity	2.7 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



CREE LED

LED	XP-G2
FWHM / FWTM	46.0 + 22.0° / 78.0 + 46.0°
Efficiency	83 %
Peak intensity	2.3 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

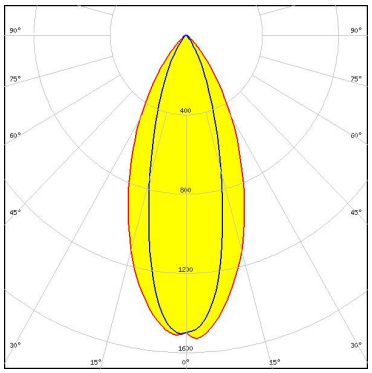


LEDiL is a registered trademark of LEDiL Oy in the European Union, USA, and certain other countries.

PHOTOMETRIC DATA (SIMULATED):

CREE LED

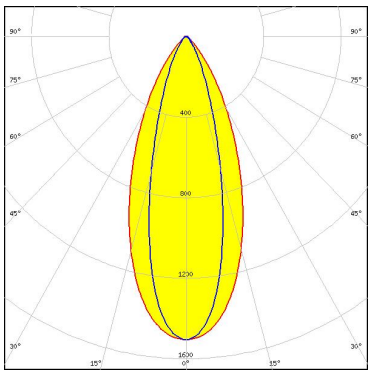
LED	XP-G2 HE
FWHM / FWTM	46.0 + 29.0° / 84.0 + 61.0°
Efficiency	77 %
Peak intensity	1.5 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



CREE LED

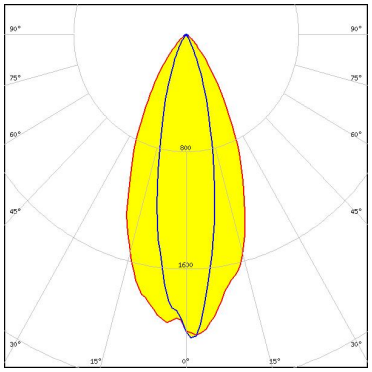
LED	XP-G3
FWHM / FWTM	44.0 + 29.0° / 81.0 + 59.0°
Efficiency	73 %
Peak intensity	1.5 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	





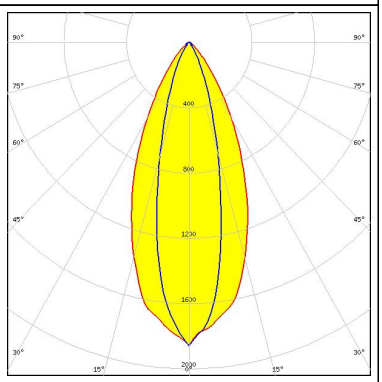
LUMILEDS

LED	LUXEON TX
FWHM / FWTM	22.0 + 46.0° / 46.0 + 80.0°
Efficiency	80 %
Peak intensity	2.1 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



LUMILEDS

LED	LUXEON V2
FWHM / FWTM	25.0 + 47.0° / 53.0 + 81.0°
Efficiency	83 %
Peak intensity	1.9 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

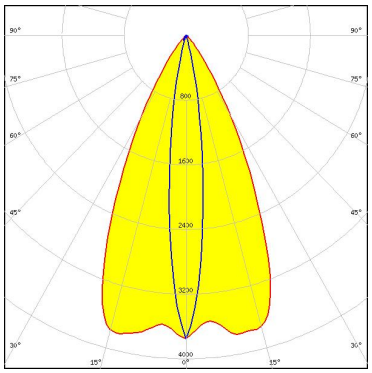


LEDiL is a registered trademark of LEDiL Oy in the European Union, USA, and certain other countries.

PHOTOMETRIC DATA (SIMULATED):

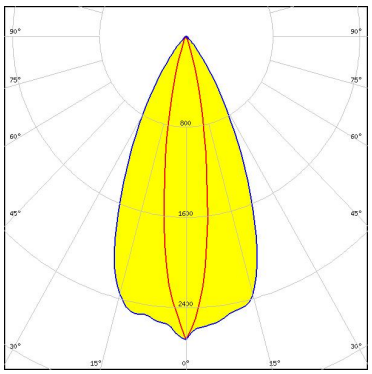
LUMILEDS

LED	LUXEON Z
FWHM / FWTM	12.0 + 50.0° / 25.0 + 74.0°
Efficiency	84 %
Peak intensity	3.3 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



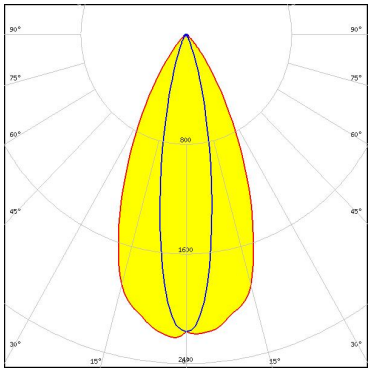
LUMILEDS

LED	LUXEON Z ES
FWHM / FWTM	17.0 + 49.0° / 34.0 + 76.0°
Efficiency	84 %
Peak intensity	2.7 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



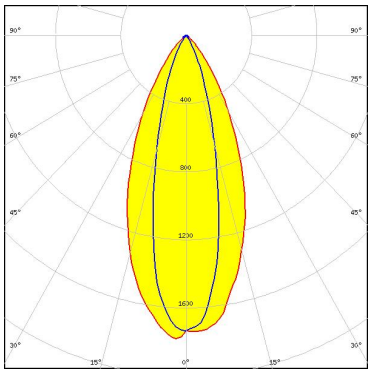
LUMINUS

LED	SST-20
FWHM / FWTM	48.0 + 20.0° / 78.0 + 41.0°
Efficiency	81 %
Peak intensity	2.2 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



NICHIA

LED	NVSxx19B/NVSxx19C
FWHM / FWTM	25.0 + 45.0° / 52.0 + 81.0°
Efficiency	78 %
Peak intensity	1.8 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

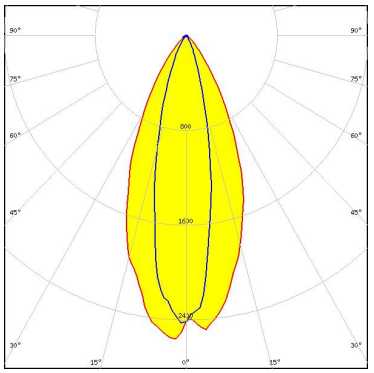


LEDiL is a registered trademark of LEDiL Oy in the European Union, USA, and certain other countries.

PHOTOMETRIC DATA (SIMULATED):

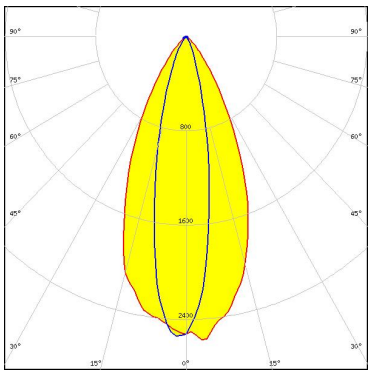
OSRAM Opto Semiconductors

LED	Duris S5 (2 chip)
FWHM / FWTM	20.0 + 45.0° / 40.0 + 75.0°
Efficiency	80 %
Peak intensity	2.1 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



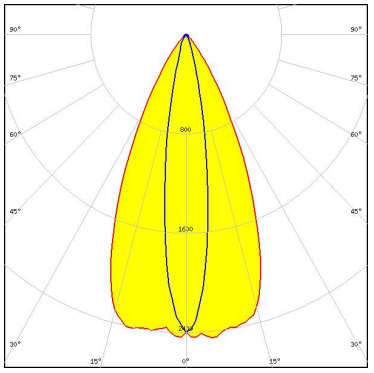
OSRAM Opto Semiconductors

LED	Duris S5 (Single chip)
FWHM / FWTM	19.0 + 45.0° / 40.0 + 75.0°
Efficiency	79 %
Peak intensity	2.1 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



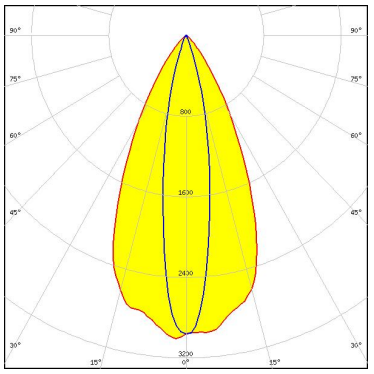
OSRAM Opto Semiconductors

LED	OSCONIQ P 3030
FWHM / FWTM	50.0 + 17.0° / 75.0 + 34.0°
Efficiency	79 %
Peak intensity	2.5 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



OSRAM Opto Semiconductors

LED	OSLON SSL 150
FWHM / FWTM	16.5 + 48.0° / 36.0 + 76.0°
Efficiency	83 %
Peak intensity	2.8 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

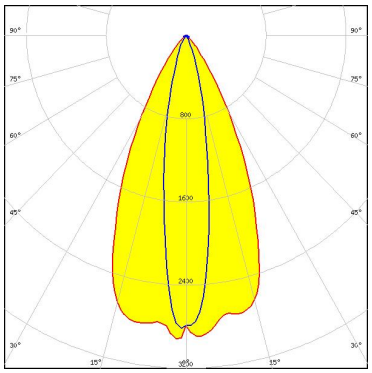


LEDiL is a registered trademark of LEDiL Oy in the European Union, USA, and certain other countries.

PHOTOMETRIC DATA (SIMULATED):

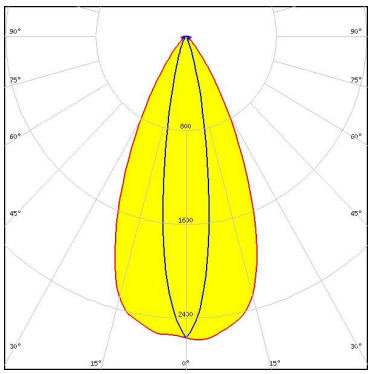
OSRAM
Opto Semiconductors

LED	OSLON SSL 80
FWHM / FWTM	16.0 + 45.0° / 38.0 + 72.0°
Efficiency	81 %
Peak intensity	2.8 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



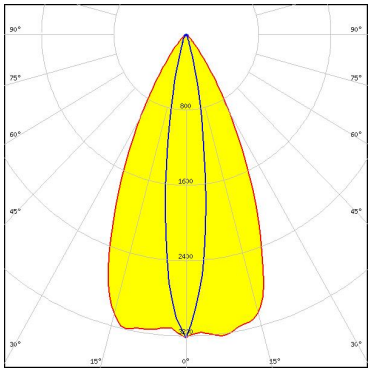
OSRAM
Opto Semiconductors

LED	SYNIOS S2222
FWHM / FWTM	50.0 + 18.0° / 77.0 + 36.0°
Efficiency	95 %
Peak intensity	2.6 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



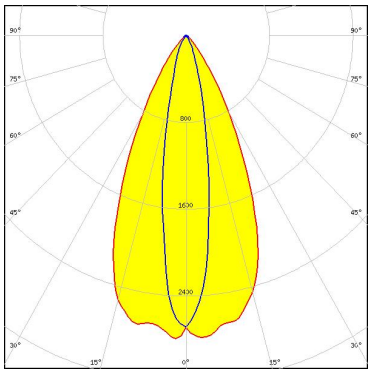
SAMSUNG

LED	LM101B
FWHM / FWTM	14.5 + 50.0° / 29.0 + 72.0°
Efficiency	81 %
Peak intensity	2.7 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



SAMSUNG

LED	LM301A
FWHM / FWTM	16.0 + 50.0° / 40.0 + 75.0°
Efficiency	81 %
Peak intensity	2.4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

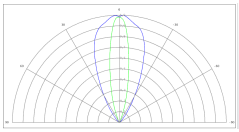
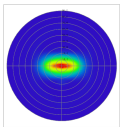
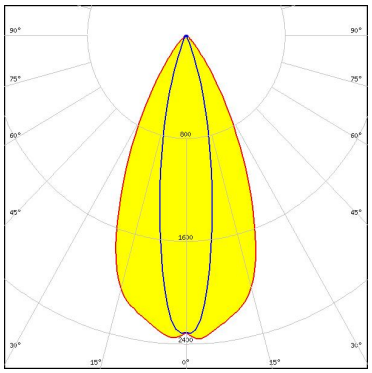


LEDiL is a registered trademark of LEDiL Oy in the European Union, USA, and certain other countries.

PHOTOMETRIC DATA (SIMULATED):

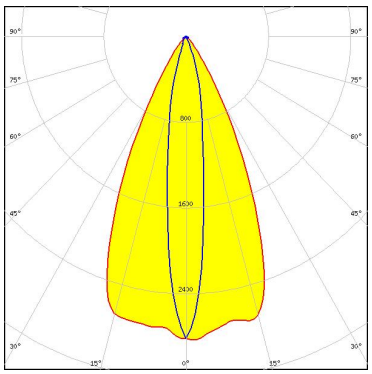
STANLEY

LED	FWR1108MS
FWHM / FWTM	48.0 + 20.0° / 76.0 + 40.0°
Efficiency	84 %
LEDs/each optic	1
Light colour	IR
Required components:	

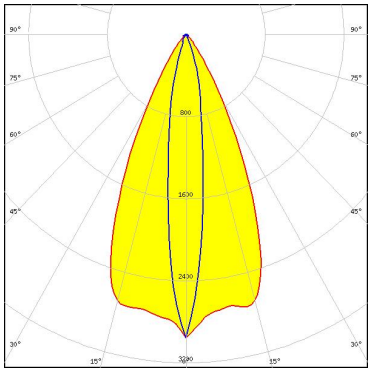
STANLEY

LED	MFN1108MS
FWHM / FWTM	50.0 + 14.0° / 72.0 + 37.0°
Efficiency	84 %
Peak intensity	2.9 cd/lm
LEDs/each optic	1
Light colour	IR
Required components:	



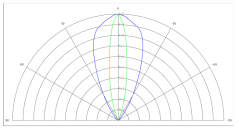
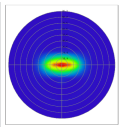
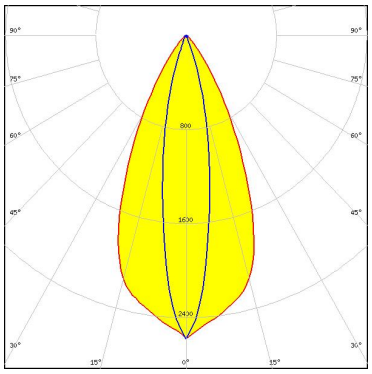
STANLEY

LED	MGN1108MS
FWHM / FWTM	50.0 + 14.0° / 72.0 + 36.0°
Efficiency	84 %
Peak intensity	3 cd/lm
LEDs/each optic	1
Light colour	IR
Required components:	



STANLEY

LED	MJN1108MS
FWHM / FWTM	48.0 + 19.0° / 76.0 + 39.0°
Efficiency	85 %
LEDs/each optic	1
Light colour	IR
Required components:	

LEDiL is a registered trademark of LEDiL Oy in the European Union, USA, and certain other countries.

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

Ledil Optics Technology (Shenzhen) Co., Ltd.
405 , Block B
Casic Motor Building
Shenzhen 518057
P.R.CHINA

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

LEDiL is a registered trademark of LEDiL Oy in the European Union, USA, and certain other countries.